Nevada Department of Conservation and Natural Resources • Division of Environmental Protection

BUREAU OF AIR POLLUTION CONTROL

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***Facility ID No.* A0030** ***Permit No.* AP3241-2201**

CLASS I AIR QUALITY OPERATING PERMIT TO CONSTRUCT

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)
Mailing Address: P.O. BOX 840, FERNLEY, NEVADA 89408-0840
Physical Address: INTERSTATE 80, EXIT 46, FERNLEY, NEVADA
General Facility Location: Section(s) 10 and 11, T20N, R24E, MDB&M (HA 76) (Lyon County)

Emission Unit List: (173 Emission Units)

A. System 01 – Limestone Truck Dump

PF	1.001	Limestone Truck Dump to Primary Crusher Hopper 101

B. System 02 – Primary Crusher Circuit

S	2.001	Primary Crusher Hopper 101 transfer to Primary Crusher 102
S	2.002	Primary Crusher 102
S	2.003	Primary Crusher 102 transfer to Apron Feeder 103
S	2.004	Apron Feeder 103 transfer to Conveyor 104
S	2.005	Drag Chain Conveyor 103-1 transfer to Conveyor 104
S	2.006	Conveyor 104 transfer to Conveyor 114BC01

C. System 03(a) – Raw Material Storage

PF	1.002	Truck Dump to Hopper 111HP01

D. System 03(b) – Raw Material Storage

S	2.007	Conveyor 114BC01 transfer to Conveyor 114BC02
S	2.008	Hopper 111HP01 to Conveyor 114VF01
S	2.009	Conveyor 114VF01 transfer to Conveyor 114BC03
S	2.010	Conveyor 114BC03 transfer to Conveyor 114BC02
S	2.011	Conveyor 114BC02 transfer to Stacker 114ST01

E. System 03(c) – Raw Material Storage

PF	1.003	Stacker 114ST01 transfer to Stockpiles #1 and #2
PF	1.004	Reclaimer 134RE01 transfer to Conveyor 134BC01
PF	1.005	Conveyor 134BC01 transfer to Low Limestone Samson Feeder 214FD01

F. System 03(d) – Raw Material Storage

PF	1.006	Low Limestone Samson Feeder 214FD01 transfer to Weigh Feeder 214WF01
PF	1.007	Weigh Feeder 214WF01 transfer to Conveyor 214BC01

G. System 03(e) – Raw Material Storage

PF	1.008	Truck Dump 214HP03 to High Limestone Samson Feeder 214FD03
PF	1.009	High Limestone Samson Feeder 214FD03 transfer to Weigh Feeder 214WF03
PF	1.010	Weigh Feeder 214WF03 transfer to Conveyor 214BC01

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Emission Unit List: (173 Emission Units) (continued)

H. System 03(f) – Raw Material Storage

PF	1.011	Truck Dump 214HP04 to Clay Samson Feeder 214FD04
PF	1.012	Clay Samson Feeder 214FD04 transfer to Weigh Feeder 214WF04
PF	1.013	Weigh Feeder 214WF04 transfer to Conveyor 214BC01

I. System 03(g) – Raw Material Storage

PF	1.014	Truck Dump 214HP05 to Iron Ore Samson Feeder 214FD05
PF	1.015	Iron Ore Samson Feeder 214FD05 transfer to Weigh Feeder 214WF05
PF	1.016	Weigh Feeder 214WF05 transfer to Conveyor 214BC01

J. System 03(h) – Raw Material Storage

PF	1.017	Truck Dump 431HP03 to Pozzolan Samson Feeder 511FD03
PF	1.018	Pozzolan Samson Feeder 511FD03 transfer to Weigh Feeder 514WF03
PF	1.019	Weigh Feeder 514WF03 transfer to Conveyor 514BC02

K. System 03(i) – Raw Material Storage

PF	1.020	Truck Dump 431HP01 to Gypsum Samson Feeder 511FD01
PF	1.021	Gypsum Samson Feeder 511FD01 transfer to Weigh Feeder 514WF01
PF	1.022	Weigh Feeder 514WF01 transfer to Conveyor 514BC02

L. System 03(j) – Raw Material Storage

PF	1.023	Truck Dump 214HP02 to Sand Samson Feeder 214FD02
PF	1.024	Sand Samson Feeder 214FD02 transfer to Weigh Feeder 214WF02
PF	1.025	Weigh Feeder 214WF02 transfer to Conveyor 214BC01

M. System 04(a) – Raw Mill

S	2.012	Conveyor 214BC01 transfer to Conveyor 214BC02

N. System 04(b) – Raw Mill

S	2.013	Conveyor 214BC02 transfer to Conveyor 214BC03
S	2.014	Conveyor 214BC03 transfer to Bucket Elevator 214BE01
S	2.015	Static Separator 233SR01 transfer to Feed Bin 232FB01
S	2.016	Feed Bin 232FB02 transfer to Roller Press 232RP01
S	2.017	Roller Press 232RP01 transfer to Conveyor 214BC03

O. System 04(c) – Raw Mill

S	2.018	Bucket Elevator 214BE01 transfer to Conveyor 214BC04
S	2.019	Conveyor 214BC04 transfer to Static Separator 233SR01

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Emission Unit List: (173 Emission Units) (continued)

P. System 04(d) – Raw Mill

S	2.020	Cyclones 252CN01 and 252CN02 transfer to Air Slide 255AS01

Q. System 05(a) – Blending Operations Storage Silos

S	2.021	Air Slide 255AS01 transfer to Bucket Elevator 254BE01
S	2.022	Screw Conveyor 314SC03 transfer to Screw Conveyor 314SC04
S	2.023	Screw Conveyor 314SC03 transfer to Bucket Elevator 254BE01

R. System 05(b) – Blending Operations Storage Silos

S	2.024	Bucket Elevator 254BE01 transfer to Air Slide 255AS05
S	2.025	Air Slide 255AS05 transfer to Air Slide 255AS06
S	2.026	Air Slide 255AS05 transfer to Air Slide 255AS07
S	2.027	Air Slide 255AS06 transfer to Air Slide 255AS08

S. System 06(a) – Kiln Feed System

S	2.028	Blend Silo Withdrawal Air Slide 285AS01 transfer to Air Slide 285AS02
S	2.029	Air Slide 285AS02 transfer to Bucket Elevator 284BE01
S	2.030	Bucket Elevator 284BE01 transfer to Air Slide 285AS03
S	2.031	Air Slide 285AS03 transfer to Bucket Elevator 284BE02
S	2.032	Screw Conveyor 314SC04 transfer to Air Slide 285AS02

T. System 06(b) – Kiln Feed System

S	2.033	Bucket Elevator 284BE02 transfer to Air Slide 285AS04
S	2.034	Air Slide 285AS04 transfer to Feed Bin 272FB01
S	2.035	Feed Bin 272FB01 transfer to Air Slides 275AS01 and 275AS02

U. System 06(c) – Kiln Feed System

S	2.036	Air Slides 275AS01 and 275AS02 transfer to Air Slide 275AS03
S	2.037	Air Slide 275AS03 transfer to Bucket Elevator 274BE01

V. System 06(d) – Kiln Feed System

S	2.038	Bucket Elevator 274BE01 transfer to Air Slide 275AS04
S	2.039	Air Slide 275AS04 transfer to Kiln System

W. System 07 – Kiln System

S	2.040	Kiln – 331KL01
S	2.041	Static Separator 233SR01 transfer to Dynamic Separator 233SR02
S	2.042	Dynamic Separator 233SR02 transfer to Cyclones 252CN01 and 252CN02
S	2.043	Screw Conveyors 314SC01 and 314SC02 transfer to Screw Conveyor 314SC03

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Emission Unit List: (173 Emission Units) (continued)

X. System 08(a) – Clinker Cooler System

S	2.044	Kiln Clinker Cooler 351CC01

Y. System 08(b) – Clinker Handling System

S	2.045	Clinker Breaker 352HC01 transfer to Pan Conveyor 354AC01
S	2.046	Screw Conveyor 358SC01 transfer to Screw Conveyor 358SC02
S	2.047	Screw Conveyor 358SC02 transfer to Pan Conveyor 354AC01

Z. System 08(c) – Clinker Conveyors

S	2.048	Pan Conveyor 354AC01 transfer to Clinker Silo 431SH01 or Pan Conveyor 354AC02
S	2.049	Pan Conveyor 354AC02 transfer to Clinker Bin 431BN04 or Belt Conveyor 354BC01
S	2.050	Belt Conveyor 354BC01 transfer to Clinker Bin 431BN04 or Stacker Tube 354BI01

AA. System 09 – #1 Finish Mill Systems

S	2.051	Conveyor 504 transfer to #1 Finish Mill 505
S	2.052	#1 Finish Mill 505
S	2.053	Air Slide 506 transfer to Bucket Elevator 507
S	2.054	Bucket Elevator 507 transfer to Air Separator 509
S	2.055	Air Separator 509 transfer to Air Slide 519-1
S	2.056	Air Slide 519-1 to Air Slide 519-2 and transfer to FK Pump 512
S	2.057	Dust Collector 510 transfer to FK Pump 512
S	2.058	14 MMBtu/hr Natural Gas Fired Heater 1909

AB. System 10 – #2 Finish Mill Systems

S	2.059	Drag Chain 2201 transfer to Feed Bins
S	2.060	Feed Bins transfer to #2 Finish Mill 2203-1
S	2.061	#2 Finish Mill 2203-1
S	2.062	Bucket Elevator 2204-1 transfer to Air Slide 2205-1
S	2.063	Air Slide 2205-1 transfer to Air Separator 2206-1
S	2.064	Air Separator 2206-1 transfer to Pump 2212
S	2.065	14 MMBtu/hr Natural Gas Fired Heater 211

AC. System 11 – #3 Finish Mill Systems

S	2.066	Drag Chain 2201 transfer to Feed Bins
S	2.067	Feed Bins transfer to #3 Finish Mill 2203-2
S	2.068	#3 Finish Mill 2203-2
S	2.069	Bucket Elevator 2204-2 transfer to Air Slide 2205-2
S	2.070	Air Slide 2205-2 transfer to Air Separator 2206-2
S	2.071	Air Separator 2206-2 transfer to Pump 2212

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Emission Unit List: (173 Emission Units) (continued)

AD. System 12(a) – #4 Finish Grind Operations

S 2.072 Weigh Feeder 514WF06 transfer to Pan Conveyor 514AC01

AE. System 12(b) – #4 Finish Grind Operations

S 2.073 Belt Conveyor 514BC02 transfer to Pan Conveyor 514AC01

S 2.074 Weigh Feeders 514WF04 and 514WF05 transfer to Pan Conveyor 514AC01

AF. System 12(c) – #4 Finish Grind Operations

S 2.075 Pan Conveyor 514AC01 transfer to Belt Conveyor 534BC01

S 2.076 Belt Conveyor 534BC01 transfer to Bucket Elevator 534BE01

S 2.077 Static Separator 533SR01 transfer to Feed Bin 532FB01

S 2.078 Feed Bin 532FB01 transfer to Roller Press 532RP01

S 2.079 Roller Press 532RP01 transfer to Belt Conveyor 534BC01

S 2.080 Air Slide 535AS01 transfer to Feed Bin 532FB01

AG. System 12(d) – #4 Finish Grind Operations

S 2.081 Bucket Elevator 534BE01 transfer to Belt Conveyor 534BC02

S 2.082 Belt Conveyor 534BC02 transfer to Static Separator 533SR01

S 2.083 Dynamic Separator 533SR02 transfer to Air Slide 535AS01 or Air Slide 535AS02

S 2.084 Air Slide 535AS02 transfer to Finish Mill #4 541BM01

S 2.085 Air Slide 545AS02 transfer to Dynamic Separator 533SR02

AH. System 12(e) – #4 Finish Grind Operations

S 2.086 Classifier System Separator Stack Pulling from Static Separator 533SR01 & Dynamic Separator 533SR02

AI. System 12(f) – #4 Finish Grind Operations

S 2.087 Bucket Elevator 544BE01 transfer to Air Slide 545AS02

S 2.088 Air Slides 535AS03 and 535AS04 transfer to Air Slide 535AS05

S 2.089 Air Slide 535AS05 transfer to Cement Cooler 539CL01 or Air Slide 535AS06

S 2.090 Cement Cooler 539CL01 transfer to Air Slide 535AS06

S 2.091 Air Slide 535AS06 transfer to Air Slide 535AS07

AJ. System 12(g) – #4 Finish Grind Operations

S 2.092 Finish Mill #4 541BM01 transfer to Air Slide 545AS01

S 2.093 Air Slide 545AS01 transfer to Bucket Elevator 544BE01

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Emission Unit List: (173 Emission Units) (continued)

AK. System 12(h) – #4 Finish Grind Operations

S	2.094	Air Slide 535AS07 transfer to Bucket Elevator 574BE01
S	2.095	Bucket Elevator 574BE01 transfer to Air Slide 575AS01
S	2.096	Air Slide 575AS01 transfer to Air Slide 575AS14
S	2.097	Air Slide 575AS01 transfer to Air Slide 575AS02
S	2.098	Air Slide 575AS02 transfer to Air Slides 575AS03, 575AS04, 575AS06, 575AS07, 575AS09, 575AS10, 575AS12, and 575AS13

AL. System 12(i) – #4 Finish Grind Operations

S	2.099	Air Slide 575AS14 transfer to Bucket Elevator 514BE01
S	2.100	Bucket Elevator 514BE01 transfer to Air Slide 575AS15
S	2.101	Air Slide 575AS15 transfer to Air Slides 575AS16, 575AS17, 575AS18, and 575AS19

AM. System 13 – Cement Storage Silo

S	2.102	Transfer to Storage Silo #7

AN. System 14 – Cement Bulk Loading

S	2.103	Silos 5, 6, 10 & 11 transfers to Air Slides 606-2, 606-3, 606-6 & 606-7
S	2.104	Air Slides 606-2, 606-3, 606-6 & 606-7 transfer to Bucket Elevator 613
S	2.105	Bucket Elevator 613 to Air Slides 609-4, 701-1 & 608-4
S	2.106	Air Slides 701-1 & 627-1 transfer to Loading Spout 627
S	2.107	#1 Finish Mill Pump 512 transfers into Silos 1, 2, 3, 4, 5, 6, 8, 9, 10 & 11
S	2.108	#2 & 3 Finish Mill Pump 2212 transfers through line 2214 into Silos 1, 2, 3, 4, 5, 6, 8, 9, 10 & 11
S	2.109	Silo transfers through line 620, line 620-1, line – Fly Ash, to North Rail Storage Bin 624
S	2.110	North Rail Bin transfers to Spout 627

AO. System 15(a) – Cement Bulk Loading - 1

S	2.111	Silo #12 Fill
S	2.112	Silo #13 Fill

AP. System 15(b) – Cement Bulk Loading - 4

S	2.113	Silos #12 & 13 to Loading Spouts 672-4 and 672-3

AQ. System 16(a) – Cement Bulk Loading - 2

S	2.114	Silo #14 Fill

AR. System 16(b) – Cement Bulk Loading - 3

S	2.115	Silo #15 Fill

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Emission Unit List: (173 Emission Units) (continued)

AS. System 16(c) – Cement Bulk Loading - 5

S	2.116	Silos #14 & 15 to Loading Spouts 672-1 and 672-2

AT. System 17(a) – Silo 16 Fill

S	2.117	Air Slide 575AS20 transfer to Silo 16
S	2.118	Silo 16

AU. System 17(b) – Silo 16 Loadout Spout

S	2.119	Silo 16 Loadout

AV. System 18 – Packhouse

S	2.120	Packer Storage Bin transfer to Bucket Elevator 704
S	2.121	Bucket Elevator 704 to Air Slides 705-1 & 706-1
S	2.122	Air Slide 705-1 transfer to Packer 707 and Air Slides 706-1 & 706-2

AW. System 19(a) – Rail Unloading/Transfer

S	2.123	Rail Hopper 634-6 transfer to Air Slide 634-7 and to Transfer System 634-8

AX. System 19(b) – Rail Unloading/Transfer

S	2.124	Rail Transfer 634-8 to South Storage Bin 625
S	2.125	Silo #7 Transfer to South Storage Bin 625

AY. System 20 – Fly Ash Bulk Loading

S	2.126	South Storage Bin 625 transfer to Air Slide 609-4 and to Loading Spout 610

AZ. System 21(a) – Coal/Coke Handling (Rail Unloading)

PF	1.026	Railcar Unloading to Conveyor 111

BA. System 21(b) – Coal/Coke Handling (Covered Conveyors)

PF	1.027	Conveyor 111 transfer to Conveyor 111-1 or 2302
PF	1.028	Conveyor 2302 transfer to Conveyor 2302-1
PF	1.029	Conveyor 2302-1 transfer to Conveyor 2302-2

BB. System 21(c) – Coal/Coke Handling (Coal/Coke Storage Building)

PF	1.030	Conveyor 2302-2 transfer to Belt Tripper 2303
PF	1.031	Belt Tripper 2303 transfer to Coal Storage

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Emission Unit List: (173 Emission Units) (continued)

BC. System 21(d) – Coal/Coke Handling (Coal/Coke Storage Building)

PF 1.032 Coal Storage transfer to Feeders 2305-1, 2305-2, 2305-3, & 2305-5

PF 1.033 Feeders 2305-1, 2305-2, 2305-3, & 2305-5 transfer to Conveyor 714BC02

BD. System 21(e) – Coal/Coke Handling

S 2.127 Conveyor 714BC02 transfer to Conveyor 714BC03 or Metal Rejects Bin

BE. System 21(f) – Coal/Coke Handling

S 2.128 Conveyor 714BC03 transfer to Coal Storage Bin 711FB01 and Coke Storage Bin 711FB02

BF. System 21(g) – Coal/Coke Handling

S 2.129 Coal Storage Bin 711FB01

BG. System 21(h) – Coal/Coke Handling

S 2.130 Coke Storage Bin 711FB02

BH. System 21(i) – Coal/Coke Handling

S 2.131 Coal Storage Bin 711FB01 transfer to Weigh Feeder 724WF01

S 2.132 Coke Storage Bin 711FB02 transfer to Weigh Feeder 724WF02

S 2.133 Weigh Feeders 724WF01 and 724WF02 transfer to Screw Conveyor 724SC01

BI. System 22(a) – Coal/Coke Grinding and Storage

S 2.134 Screw Conveyor 726SC01 transfer to Coal Mill 722RM01

S 2.135 Coal Mill 722RM01

BJ. System 22(b) – Coal/Coke Grinding and Storage

S 2.136 Fine Coal Storage Bin 771BI01

BK. System 22(c) – Coal/Coke Grinding and Storage

S 2.137 Fine Coke Storage Bin 771BI02

BL. System 23(a) – Synthetic Gypsum Bin Storage Tank and Handling (Storage Tank)

S 2.138 Pneumatic Loading and transfer to Synthetic Gypsum Bin

BM. System 23(b) – Synthetic Gypsum Bin Storage Tank and Handling (Handling Conveyors)

PF 1.034 Synthetic Gypsum Bin and transfer to Screw Conveyor (# 2242)

PF 1.035 Screw Conveyor (# 2242) and transfer to Screw Conveyor (# 2243)

**************End of Emission Unit List**************

Facility ID No. A0030 **Permit No. AP3241-2201**

CLASS I AIR QUALITY OPERATING PERMIT TO CONSTRUCT

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section I. General Conditions

A. Nevada Administrative Code (NAC) 445B.3365.2(c)
Severability
Each of the conditions and requirements of this Operating Permit to Construct is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.

B. Nevada Revised Statute (NRS) 445B.470
Prohibited Acts
The Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any Operating Permit to Construct or any provision for the filing of information;
2. Fail to pay any fee;
3. Falsify any material statement, representation or certification in any notice or report; or
4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or NRS 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.

C. NAC 445B.22013
Prohibited Discharge
The Permittee shall not cause or permit the discharge into the atmosphere from any stationary source of any hazardous air pollutant or toxic regulated air pollutant that threatens the health and safety of the general public, as determined by the Director.

D. NAC 445B.225
Prohibited Conduct: Concealment of Emissions
The Permittee shall not install, construct, or use any device that conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

E. State Implementation Plan (SIP) 445.663
Concealment of Emissions Prohibited
Except for the sole purpose of reducing the odor of an emission, ***the Permittee*** may not install, construct, or use any device that conceals any emission without reducing the total release of air contaminants to the atmosphere.

F. NAC 445B.3365.2(d)
Compliance/Noncompliance
The Permittee shall comply with all conditions of this Operating Permit to Construct. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
2. Modifying, revoking, reopening and revising, or terminating the Operating Permit to Construct; or
3. Denial of an application for a renewal of the Operating Permit to Construct.

G. NAC 445B.273.1
Schedules for Compliance
The Permittee shall comply with NAC 445B.001 through 445B.3791, inclusive. Existing stationary sources are in compliance with those sections and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.

H. SIP 445.695.1
Time for Compliance
The Permittee's new and existing sources shall comply with SIP 445.430 to 445.846, inclusive. Existing sources are in compliance with these regulations and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.

I. NAC 445B.326.1
Assertion of Emergency as Affirmative Defense to Action for Noncompliance
The Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit to Construct if the holder of the Operating Permit to Construct demonstrates through signed, contemporaneous operating logs or other relevant evidence that:
1. An emergency occurred as defined in NAC 445B.056, and the holder of the Operating Permit to Construct can identify the cause of the emergency;
2. The facility was being properly operated at the time of the emergency;
3. During the emergency, the holder of the Operating Permit to Construct took all reasonable steps to minimize excess emissions; and
4. The holder of the Operating Permit to Construct submitted notice of the emergency to the Director within 2 working days after the emergency. The notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken to restore the normal operation of the facility.

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Section I. General Conditions (continued)

J. NAC 445B.3365.2(e)
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit to Construct is not a defense to noncompliance with any conditions of this Operating Permit to Construct.

K. NAC 445B.3365.2(f)
The Director may modify, revoke and reissue, reopen and revise, or terminate the Operating Permit to Construct for cause.

L. NAC 445B.3265
Revocation and re-issuance
1. NAC 445B. 3265.1. ***The Permittee's*** Operating Permit to Construct may be revoked if the control equipment is not operating.
2. NAC 445B.3265.2. ***The Permittee's*** Operating Permit to Construct may be revoked by the Director upon determination that there has been a violation of NAC 445B.001 through 445B.3791, inclusive, or the provisions of 40 CFR Part 52.21, or 40 CFR Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants adopted by reference in NAC 445B.221.
3. NAC 445B.3265.3. -The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.

M. SIP 445.715
Revocation
1. ***The Permittee's*** Operating Permit to Construct may be revoked if the control equipment is not operating.
2. ***The Permittee's*** Operating Permit to Construct can be revoked by the Director upon determination that there has been a violation of SIP 445.430 to 445.846, inclusive, or 40 CFR Parts 60 or 61, New Source Performance Standards and National Emissions Standards for Hazardous Air Pollutants.
3. The revocation is effective 10 days after the service of a written notice, and the revoked Operating Permit to Construct shall be surrendered immediately unless a hearing is requested.

N. NAC 445B.3365.2(g)
This Operating Permit to Construct does not convey any property rights or any exclusive privilege.

O. NAC 445B.3365.2(h)
The Permittee shall provide the Director, in writing and within a reasonable time, with any information that the Director requests to determine whether cause exists for modifying, revoking and reissuing, reopening and revising or terminating this Operating Permit to Construct or to determine compliance with the conditions of this Operating Permit to Construct.

P. NAC 445B.315.3.i
The Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.

Q. NAC 445B.3365.2(i)
Right to Entry
The Permittee shall allow the Bureau of Air Pollution Control staff, upon the presentation of credentials, to:
1. Enter upon the premises of ***the Permittee*** where:
   a. The stationary source is located;
   b. Activity related to emissions is conducted; or
   c. Records are kept pursuant to the conditions of this Operating Permit to Construct.
2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this Operating Permit to Construct;
3. Inspect, at reasonable times, any facilities, practices, operations, or equipment, including any equipment for monitoring or controlling air pollution, that are regulated or required pursuant to this Operating Permit to Construct; and
4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit to Construct or applicable requirements.

R. NAC 445B.3365.2(j)
A responsible official of ***the Permittee*** shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit to Construct are true, accurate and complete.

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Section I. General Conditions (continued)

S. NAC 445B.252

Testing and Sampling

1. To determine compliance with NAC 445B.001 through 445B.3791, inclusive, before the approval or the continuance of an Operating Permit to Construct or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and/or sampling must be conducted and the results submitted to the Director within 60 days after achieving the maximum rate of production at which the affected facility will be operated, but not later than 180 days after initial startup of the facility and at such times as may be required by the Director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
   a. Specifies or approves, in specific cases, the use of a method of reference with minor changes in methodology;
   b. Approves the use of an equivalent method;
   c. Approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific stationary source is in compliance; or
   d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown, and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions, or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
6. All testing and sampling will be performed in accordance with recognized methods as specified by the Director.
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power, and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.

T. SIP 445.682

Testing and Sampling

1. To determine compliance with SIP 445.430 to 445.846, inclusive, prior to approval of or prior to the continuance of an Operating Permit to Construct or similar class of permits, the Director may either conduct or order the owner of any source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and/or sampling must be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility and at such other times as may be required by the Director.
2. Performance tests must be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Director
   a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
   b. Approves the use of an equivalent method;
   c. Approves the use of an alternative method, the results of which he has determined to be adequate for indicating whether a specific source is in compliance; or
   d. Waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
3. Performance tests shall be conducted under such conditions as the Director shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of performance tests unless otherwise specified in the applicable standard.
4. The owner or operator of an affected facility shall provide the Director 30 days prior notice of the performance test to afford the Director the opportunity to have an observer present.
5. Each performance test shall consist of at least two separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs shall apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions, or other circumstances with less than two valid samples being obtained, an additional performance test must be conducted.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section I. General Conditions (continued)

T. SIP 445.682
Testing and Sampling (continued)
6. All testing and sampling will be performed in accordance with recognized methods as specified by the Director.
7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power, and other pertinent allied facilities as may be required and specified in writing by the Director shall be provided and paid for by the owner of the source.
8. All information and analytical results of testing and sampling shall be certified as to their truth and accuracy and as to their compliance with all provisions of these (SIP) regulations and copies of these results must be provided to both the owner and Director.

U. NAC 445B.22067 (SIP provision)
Open Burning
The open burning of any combustible refuse, waste, garbage, oil, or for any salvage operations, except as specifically exempted, is prohibited. Specific exemptions from open burning are described in NAC 445B.22067.2.

V. NAC 445B.22017 (SIP provision)
Maximum Opacity of Emissions
1. Except as otherwise provided in this section and NAC 445B.2202 and 445B.22023, no owner or operator may cause or permit the discharge into the atmosphere from any emission unit, which is of an opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
   a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
   b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 C.F.R. §§ 60.13(h).
2. The provisions of this section and NAC 445B.2202 and 445B.22023 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.

W. NAC 445B.22087
Odors
The Permittee may not discharge or cause to be discharged, from any stationary source, any material or regulated air pollutant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents comfortable enjoyment of life or property.

X. SIP 445.844
Odors
The Permittee may not discharge or cause to be discharged, from any source, any material or air contaminant which is or tends to be offensive to the senses, injurious or detrimental to health and safety, or which in any way interferes with or prevents the comfortable enjoyment of life or property.

Y. NAC 445B.319, 445B.342, 445B.3425 and 445B.344
Any changes to this Operating Permit to Construct will comply with all provisions established under NAC 445B.319, 445B.3363, and 445B.342.

Z. NAC 445B.22037 (SIP provision)
Fugitive Dust
1. ***The Permittee*** may not cause or permit the handling, transporting, or storing of any material in a manner that allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, ***the Permittee*** may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and re-vegetation.
3. Except as provided in subsection 4, ***the Permittee*** may not disturb or cover 5 acres or more of land or its topsoil until ***the Permittee*** has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
   a. Agricultural activities occurring on agricultural land; or
   b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

**************End of General Conditions***************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section II. General Construction Conditions

A. NAC 445B.250
Notification
The Bureau of Air Pollution Control will be notified in writing of the following:
1. The date that construction, or reconstruction as defined under NAC 445B.247, of **PF1.001 through PF1.035; and S2.001 through S2.138** are commenced, postmarked no later than 30 days after such date.
2. The anticipated date of initial startup of **PF1.001 through PF1.035; and S2.001 through S2.138** are commenced, postmarked no later than 30 days after such date.
3. The actual date of initial startup of **PF1.001 through PF1.035; and S2.001 through S2.138** are commenced, postmarked no later than 30 days after such date.

B. NAC 445B.3366
Expiration
This permit to construct expires if construction is not commenced within 18 months after the date of issuance thereof or construction of the facility is delayed for 18 months after initiated. The director may extend the 18 month period upon a satisfactory showing that an extension is justified. This provision does not apply to the time period between construction of the approved phases of a phased construction project; each phase must commence construction within eighteen months of the projected commencement date approved by the director.

**************End of General Construction Conditions****************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section III. General Operating Conditions

A. NAC 445B.227
Facilities Operation
The Permittee may not:
1. Operate a stationary source of air pollution unless the control equipment for air pollution that is required by applicable requirements or conditions of this Operating Permit to Construct is installed and operating.
2. Disconnect, alter, modify or remove any of the control equipment for air pollution or modify any procedure required by an applicable requirement or condition of this Operating Permit to Construct.

B. NAC 445B.232
Excess Emissions
1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 through 445B.3791, inclusive, must be approved by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director must be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 through 445B.3791, inclusive.
3. The Director must be notified in writing or by telephone of the time and expected duration at least 24 hours in advance of any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 through 445B.3791, inclusive.
4. The Director must be notified of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during startup or shutdown of such equipment. The telephone number for the notification is (775) 687-9350.
5. ***The Permittee***, as the owner or operator of an affected facility, shall provide the Director, within 15 days after any malfunction, upset, startup, shutdown, or human error which results in excess emissions, sufficient information to enable the Director to determine the seriousness of the excess emissions. The information must include at least the following:
   a. The identity of the stack or other point of emission, or both, where the excess emissions occurred.
   b. The estimated magnitude of the excess emissions expressed in opacity or in units of the applicable limitation on emission and the operating data and methods used in estimating the magnitude of the excess emissions.
   c. The time and duration of the excess emissions.
   d. The identity of the equipment causing the excess emissions.
   e. If the excess emissions were the result of a malfunction, the steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunction.
   f. The steps taken to limit the excess emissions.
   g. Documentation that the equipment for controlling air pollution, process equipment, or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

C. SIP 445.667
Excess Emissions: Scheduled Maintenance; Testing; Malfunction
1. Scheduled maintenance or testing approved by the Director or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive, must be performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director shall be notified in writing on the time and expected duration at least 24 hours in advance of any scheduled maintenance or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive.
3. The Director must be notified within 24 hours after any malfunction, breakdown or upset of process or pollution control equipment or during startup of such equipment. Phone (775) 687-9350.
4. The owner or operator of an affected facility shall provide the Director, within 15 days after any malfunction, breakdown, upset, startup or human error sufficient information to enable the Director to determine the seriousness of the excess emissions. The submission must include as a minimum:
   a. The identity of the stack and/or other emission point where the excess emission occurred.
   b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable emission limitation and the operating data and methods used in estimating the magnitude of the excess emissions.
   c. The time and duration of the excess emissions.
   d. The identity of the equipment causing the excess emissions.
   e. If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunctions.
   f. The steps taken to limit the excess emissions.
   g. Documentation that the air pollution control equipment, process equipment or processes were at all times maintained and operated, to a maximum extent practicable, in a manner consistent with good practice for minimizing emissions.

D. NAC 445B.305
Operating Permits: Imposition of more stringent Standards for Emissions
1. Upon start-up of Systems identified in this Operating Permit (AP3241-2201), except for units specified in AP3241-2201, *the Permittee* is prohibited from simultaneously operating units identified in this AP3241-2201 and in AP3241-0387.01.

**************End of General Operating Conditions****************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section IV. General Monitoring, Recordkeeping, and Reporting Requirements

A. NAC 445B.3365.2(b)
The Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.

B. NAC 445B.3405.1(d); NAC 445B.3365.3
The Permittee will record:
1. Monitoring information required by the conditions of this Operating Permit to Construct including the date, the location and the time of the sampling or the measurements and the operating conditions at the time of the sampling or measurements; and
2. The date on which the analyses were performed, the company that performed them, the analytical techniques that the company used, and the results of such analyses.

C. NAC 445B.3365.2(h)
The Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year, unless otherwise approved by the Bureau of Air Pollution Control.

D. NAC 445B.265
Notification and Recordkeeping
The Permittee as the owner or operator subject to the provisions of NAC 445B.256 to NAC 445B.257, inclusive, shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility and any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative.

E. NAC 445B.308
Ambient Pollutant Concentrations and Meteorological Conditions

The Permittee shall monitor and record *PM_{10} concentrations* in the ambient air and monitor and record meteorological conditions, in accordance with 1 and 2 below, from the commencement of operation of the facility until the termination of the operation or, if applicable, until reclamation of the project is complete or *the Permittee* has been relieved of its ambient monitoring requirement by the Chief of the Bureau of Air Pollution Control or Chief of the Bureau of Air Quality Planning or their designees. Ambient monitoring sites shall be approved in advance of required monitoring by the Chief of the Bureau of Air Quality Planning or the Chief of the Bureau of Air Pollution Control or his designee. All required ambient air quality and meteorological monitoring shall be conducted and findings reported in accordance with the *October 2006 version* of the Nevada Division of Environmental Protection (NDEP), Bureau of Air Quality Planning's Ambient Air Quality Monitoring Guidelines and documents listed therein as currently displayed on the NDEP/BAQP/Technical Services Branch/Ambient Monitoring website. Monitoring reports of the findings shall be submitted to the NDEP, Bureau of Air Quality Planning for each calendar quarter within 60 days after the end of the calendar quarter.

1. Meteorological: 100-meter meteorological tower, site to be approved. Meteorological data shall be collected at the 2, 10, 50 and 100-meter levels as follows:
   a. 2-meter level: Temperature
   b. 10-meter level: Wind Speed, Wind Direction, Temperature
   c. 50-meter level: Wind Speed, Wind Direction, Temperature
   d. 100-meter level: Wind Speed, Wind Direction, Temperature
   e. Any Level: Solar Radiation

   The 2 meter and 10 meter levels shall use matched temperature sensors (or equivalent) to achieve the 10m – 2m delta-T audit tolerance. The 50 meter and 100 meter levels shall also use matched temperature sensors (or equivalent) to achieve the 100m – 50m delta-T audit tolerance. Solar radiation may be monitored at any level.

2. PM_{10} Site to be approved.

*******End of General Monitoring and Recordkeeping Conditions******

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions

A. Emission Units #(s): PF1.001, location North 4,387.9240 km, East 305.8799 km, UTM (Zone 11)

System 01 - Limestone Truck Dump		
PF	1.001	Limestone Truck Dump to Primary Crusher Hopper 101

1. Air Pollution Equipment

a. Emissions from PF1.001 shall be controlled by a control system consisting of wet dust suppression system with chemical surfactant located at PF1.001.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.001 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.001 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.001 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.001, the permittee will not discharge or cause the discharge into the atmosphere from PF1.001, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.22 pound per hour, nor more than 0.96 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.45 ton per 12-month rolling period.
(3) The opacity from PF1.001, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.001 will not exceed 350 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.
(2) Hours
(i) PF1.001 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

A. Emission Units #(s): PF1.001 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

c. Monitoring and reporting (NAC 445B 3365)

The permittee, upon the issuance date of this permit and while in operation of **System 01** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) for PF1.001 on a daily basis.

(ii) Monitor the hours of operation for PF1.001 on a daily basis.

(iii) Monitor the throughput rate for PF1.001 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a daily observation of the wet dust suppression system and chemical surfactant addition system and verify that they are operating normally; record the time of observation and indicate the status of the system. Monitor and record that all spray heads are operating normally. Record any sprays that were repaired, replaced or modified.

(v) Monitor and record the chemical surfactant usage on a monthly basis.

(vi) Conduct and record a weekly visible emission inspection on PF1.001; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vii) The required monitoring established in A.3.c.(1)(i) through (vi) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in A.3.c.(1)(vii)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the daily observations and the implementation and proper use of the wet dust suppression system and chemical surfactant addition system, and any corrective actions taken to maintain implementation and proper use of the wet dust suppression system and chemical surfactant addition system used for control of emissions, and documentation of the chemical surfactant usage on a monthly basis.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

d. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.A.3. for PF1.001, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.001 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.A.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.A.3., Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.A.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

e. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

B. Emission Unit #(s): S2.001 - S2.006, location North 4,388.0043 km, East 305.8147 km, UTM (Zone 11)

System 02 - Primary Crusher Circuit		
S	2.001	Primary Crusher Hopper 101 transfer to Primary Crusher 102
S	2.002	Primary Crusher 102
S	2.003	Primary Crusher 102 transfer to Apron Feeder 103
S	2.004	Apron Feeder 103 transfer to Conveyor 104
S	2.005	Drag Chain Conveyor 103-1 transfer to Conveyor 104
S	2.006	Conveyor 104 transfer to Conveyor 114BC01

1. Air Pollution Equipment

a. Emissions from S 2.001 - S 2.006 each, shall be ducted to a control system consisting of a Baghouse (DC-105) with 100% capture and a maximum volume flow rate of 14,074 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	24.9	Velocity (ft/sec):	91.01
Inside Diameter (feet):	2.02	Gas Volume Rate (cu. ft/min):	17,500 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	14,074 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.001- S2.006 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.001- S2.006 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.001- S2.006 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.001 and S2.006, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC 105) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 1.50 pound per hour, nor more than 6.60 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 1.50 pound per hour, nor more than 6.60 ton per 12-month rolling period.

(3) The opacity from S2.001- S2.006 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.001 - S2.006 each, will not exceed 350 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.

(2) Hours

(i) S2.001 - S2.006 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

B. Emission Unit #(s): S2.001 - S2.006 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

c. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 02** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) for S2.001 - S2.006 on a daily basis.

(ii) Monitor the hours of operation for S2.001 - S2.006 on a daily basis.

(iii) Monitor the throughput rate for S2.001 – S2.006 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-105) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-105) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-105); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in B.3.c.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in B.3.c.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-105), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-105) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section VI. Specific Operating Conditions (continued)

B. Emission Unit #(s): S2.001 - S2.006 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.001 - S2.006 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.B.3. for S2.001 - S2.006 by conducting performance tests on the exhaust stack of the Baghouse (DC-105) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-105) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-105) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.B.3. for S2.001 - S2.006.

(4) Performance tests required under Section V.B.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.B.3. for S2.001 - S2.006, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.001 - S2.006 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.B.3. that are conducted below the maximum allowable throughput, as established in Section V.B.3. for S2.001 - S2.006, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.B.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.B.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

e. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

C. Emission Units #(s): PF1.002, location North 4,387.9543 km, East 305.9302 km, UTM (Zone 11)

System 03(a) – Raw Material Storage		
PF	1.002	Truck Dump to Hopper 111HP01

1. Air Pollution Equipment

a. Emissions from PF1.002 shall be controlled by best management practices.

1. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.002 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.002 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.002 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

2. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.002, the permittee will not discharge or cause the discharge into the atmosphere from PF1.002, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.139 pound per hour, nor more than 0.61 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.051 pound per hour, nor more than 0.22 ton per 12-month rolling period.
(3) The opacity from PF1.002, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.002 will not exceed 510 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.
(2) Hours
(i) PF1.002 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

C. Emission Units #(s): PF1.002 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

c. Monitoring and reporting (NAC 445B 3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) for PF1.002 on a daily basis.

(ii) Monitor the hours of operation for PF1.002 on a daily basis.

(iii) Monitor the throughput rate for PF1.002 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.002; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in C.3.c.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in C.3.c.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

d. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.C.3. for PF1.002, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.002 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.C.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.C.3., Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.C.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

e. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

D. Emission Unit #(s): S2.007 - S2.011, location North 4,387.9543 km, East 305.9302 km, UTM (Zone 11)

System 03(b) – Raw Material Storage		
S	2.007	Conveyor 114BC01 transfer to Conveyor 114BC02
S	2.008	Hopper 111HP01 to Conveyor 114VF01
S	2.009	Conveyor 114VF01 transfer to Conveyor 114BC03
S	2.010	Conveyor 114BC03 transfer to Conveyor 114BC02
S	2.011	Conveyor 114BC02 transfer to Stacker 114ST01

1. Air Pollution Equipment

a. Emissions from S2.007 - S2.011 each, shall be ducted to a control system consisting of a Baghouse (116FN02) with 100% capture and a maximum volume flow rate of 8,479 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	10.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.84	Gas Volume Rate (cu. ft/min):	10,080 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	8,479 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.007- S2.011 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.007- S2.011 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.007- S2.011 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.007 - S2.011, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (116FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.58 pound per hour, nor more than 2.55 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.58 pound per hour, nor more than 2.55 ton per 12-month rolling period.
(3) The opacity from S2.007- S2.011 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.007 - S2.011 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.007- S2.011 each, will not exceed 1,170 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.
(2) Hours
(i) S2.007- S2.011 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

D. Emission Unit #(s): S2.007 - S2.011 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) for S2.007- S2.011 on a daily basis.

(ii) Monitor the hours of operation for S2.007- S2.011 on a daily basis.

(iii) Monitor the throughput rate for S2.007- S2.011 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (116FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (116FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (116FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in D.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in D.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (116FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (116FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

D. Emission Unit #(s): S2.007 - S2.011 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.007 - S2.011 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.D.3. for S2.007 - S2.011 by conducting performance tests on the exhaust stack of the Baghouse (116FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (116FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (116FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.D.3. for S2.007 - S2.011.

(4) Performance tests required under Section V.D.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.D.3. for S2.007 - S2.011, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.007 - S2.011 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.D.3. that are conducted below the maximum allowable throughput, as established in Section V.D.3. for S2.007 - S2.011, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.D.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.D.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

D. Emission Unit #(s): S2.007 - S2.011 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.007 - S2.011 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.D.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.D.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.D.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

D. Emission Unit #(s): S2.007 - S2.011 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

E. Emission Unit #(s): PF1.003 - PF1.005, location North 4,388.0497 km, East 305.8831 km, UTM (Zone 11)

System 03(c) - Raw Material Storage		
PF	1.003	Stacker 114ST01 transfer to Stockpiles #1 and #2
PF	1.004	Reclaimer 134RE01 transfer to Conveyor 134BC01
PF	1.005	Conveyor 134BC01 transfer to Low Limestone Samson Feeder 214FD01

1. Air Pollution Equipment

a. Emissions from PF1.003, shall be controlled by a control system consisting of water sprays.

b. Emissions from PF1.004 – PF1.005 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.003 – PF1.005 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.003 – PF1.005 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.003 – PF1.005 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.003 – PF1.005, the permittee will not discharge or cause the discharge into the atmosphere from PF1.003 – PF1.005, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.003 will not exceed 0.878 pound per hour, nor more than 3.84 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.003 will not exceed 0.322 pound per hour, nor more than 1.41 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.004 will not exceed 0.60 pound per hour, nor more than 2.63 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.004 will not exceed 0.22 pound per hour, nor more than 0.96 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.005 will not exceed 0.60 pound per hour, nor more than 2.63 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.005 will not exceed 0.22 pound per hour, nor more than 0.96 ton per 12-month rolling period.

(7) The opacity from PF1.003 – PF1.005 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from PF1.003 – PF1.005 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.003, will not exceed 1,170 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.

(2) The maximum allowable throughput for PF1.004 – PF1.005 each, will not exceed 200 tons of material (limestone, clay, gypsum, pozzolan, iron material, and sand) per any one-hour period.

(3) Hours

(i) PF1.003 – PF1.005 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

E. Emission Unit #(s): PF1.003 - PF1.005 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) for PF1.003 – PF1.005 on a daily basis.

(ii) Monitor the hours of operation for PF1.003 – PF1.005 on a daily basis.

(iii) Monitor the throughput rate for PF1.003 – PF1.005 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.003 – PF1.005; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in E.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, gypsum, pozzolan, iron material, and sand) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in E.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which PF1.003 – PF1.005 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.E.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.E.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

E. Emission Unit #(s): PF1.003 - PF1.005 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.E.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

E. Emission Unit #(s): PF1.003 - PF1.005 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.E.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.E.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.E.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

F. Emission Unit #(s): PF1.006 - PF1.007, location North 4,387.9068 km, East 305.9829 km, UTM (Zone 11)

System 03(d) - Raw Material Storage		
PF	1.006	Low Limestone Samson Feeder 214FD01 transfer to Weigh Feeder 214WF01
PF	1.007	Weigh Feeder 214WF01 transfer to Conveyor 214BC01

1. Air Pollution Equipment

a. Emissions from PF1.006 – PF1.007 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.006 – PF1.007 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.006 – PF1.007 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.006 – PF1.007 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.006 – PF1.007, the permittee will not discharge or cause the discharge into the atmosphere from PF1.006 – PF1.007, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.006 will not exceed 0.60 pound per hour, nor more than 2.63 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.006 will not exceed 0.22 pound per hour, nor more than 0.96 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.007 will not exceed 0.60 pound per hour, nor more than 2.63 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.007 will not exceed 0.22 pound per hour, nor more than 0.96 ton per 12-month rolling period.

(5) The opacity from PF1.006 – PF1.007 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from PF1.006 – PF1.007 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.006 – PF1.007 each, will not exceed 200 tons of material (limestone) per any one-hour period.

(2) Hours

(i) PF1.006 – PF1.007 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

F. Emission Unit #(s): PF1.006 - PF1.007 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(d)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone) for PF1.006 – PF1.007 on a daily basis.

(ii) Monitor the hours of operation for PF1.006 – PF1.007 on a daily basis.

(iii) Monitor the throughput rate for PF1.006 – PF1.007 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.006 – PF1.007; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in F.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in F.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which PF1.006 – PF1.007 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.F.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.F.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

F. Emission Unit #(s): PF1.006 - PF1.007 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.F.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

F. Emission Unit #(s): PF1.006 - PF1.007 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.F.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.F.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.F.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

G. Emission Unit #(s): PF1.008 - PF1.010, location North 4,387.9010 km, East 306.0200 km, UTM (Zone 11)

System 03(e) - Raw Material Storage		
PF	1.008	Truck Dump 214HP03 to High Limestone Samson Feeder 214FD03
PF	1.009	High Limestone Samson Feeder 214FD03 transfer to Weigh Feeder 214WF03
PF	1.010	Weigh Feeder 214WF03 transfer to Conveyor 214BC01

1. Air Pollution Equipment

a. Emissions from PF1.008 – PF1.010 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.008 – PF1.010 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.008 – PF1.010 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.008 – PF1.010 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.008 – PF1.010, the permittee will not discharge or cause the discharge into the atmosphere from PF1.008 – PF1.010, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere from PF1.008 will not exceed 0.005 pound per hour, nor more than 0.02 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.008 will not exceed 0.002 pound per hour, nor more than 0.01 ton per 12-month rolling period.
(3) The discharge of PM (particulate matter) to the atmosphere from PF1.009 will not exceed 0.06 pound per hour, nor more than 0.26 ton per 12-month rolling period.
(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.009 will not exceed 0.022 pound per hour, nor more than 0.10 ton per 12-month rolling period.
(5) The discharge of PM (particulate matter) to the atmosphere from PF1.010 will not exceed 0.06 pound per hour, nor more than 0.26 ton per 12-month rolling period.
(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.010 will not exceed 0.022 pound per hour, nor more than 0.10 ton per 12-month rolling period.
(7) The opacity from PF1.008 – PF1.010 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from **PF1.009 – PF1.010** each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.008 – PF1.010 each, will not exceed 20 tons of material (limestone) per any one-hour period.
(2) Hours
(i) PF1.008 – PF1.010 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

G. Emission Unit #(s): PF1.008 - PF1.010 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(e)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone) for PF1.008 – PF1.010 on a daily basis.

(ii) Monitor the hours of operation for PF1.008 – PF1.010 on a daily basis.

(iii) Monitor the throughput rate for PF1.008 – PF1.010 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.008 – PF1.010; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in G.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in G.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.009 – PF1.010** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.G.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.G.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

G. Emission Unit #(s): PF1.008 - PF1.010 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.G.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

G. Emission Unit #(s): PF1.008 - PF1.010 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.G.3. for PF1.008, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.008 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.G.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.G.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.G.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

H. Emission Unit #(s): PF1.011 - PF1.013, location North 4,387.9096 km, East 306.0169 km, UTM (Zone 11)

System 03(f) - Raw Material Storage		
PF	1.011	Truck Dump 214HP04 to Clay Samson Feeder 214FD04
PF	1.012	Clay Samson Feeder 214FD04 transfer to Weigh Feeder 214WF04
PF	1.013	Weigh Feeder 214WF04 transfer to Conveyor 214BC01

1. Air Pollution Equipment

a. Emissions from PF1.011 – PF1.013 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.011 – PF1.013 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.011 – PF1.013 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.011 – PF1.013 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.011 – PF1.013, the permittee will not discharge or cause the discharge into the atmosphere from PF1.011 – PF1.013, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.011 will not exceed 0.005 pound per hour, nor more than 0.02 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.011 will not exceed 0.002 pound per hour, nor more than 0.01 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.012 will not exceed 0.06 pound per hour, nor more than 0.26 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.012 will not exceed 0.022 pound per hour, nor more than 0.10 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.013 will not exceed 0.06 pound per hour, nor more than 0.26 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.013 will not exceed 0.022 pound per hour, nor more than 0.10 ton per 12-month rolling period.

(7) The opacity from PF1.011 – PF1.013 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.012 – PF1.013** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.011 – PF1.013 each, will not exceed 20 tons of material (clay) per any one-hour period.

(2) Hours

(i) PF1.011 – PF1.013 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

H. Emission Unit #(s): PF1.011 - PF1.013 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(f)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (clay) for PF1.011 – PF1.013 on a daily basis.

(ii) Monitor the hours of operation for PF1.011 – PF1.013 on a daily basis.

(iii) Monitor the throughput rate for PF1.011 – PF1.013 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.011 – PF1.013; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in H.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (clay) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in H.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.012 – PF1.013** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.H.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.H.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

H. Emission Unit #(s): PF1.011 - PF1.013 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.H.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

H. Emission Unit #(s): PF1.011 - PF1.013 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.H.3. for PF1.011, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.011 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.H.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.H.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.H.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

I. Emission Unit #(s): PF1.014 - PF1.016, location North 4,387.8586 km, East 306.0357 km, UTM (Zone 11)

System 03(g) - Raw Material Storage		
PF	1.014	Truck Dump 214HP05 to Iron Ore Samson Feeder 214FD05
PF	1.015	Iron Ore Samson Feeder 214FD05 transfer to Weigh Feeder 214WF05
PF	1.016	Weigh Feeder 214WF05 transfer to Conveyor 214BC01

1. Air Pollution Equipment

a. Emissions from PF1.014 – PF1.016 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.014 – PF1.016 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.014 – PF1.016 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.014 – PF1.016 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.014 – PF1.016, the permittee will not discharge or cause the discharge into the atmosphere from PF1.014 – PF1.016, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.014 will not exceed 0.001 pound per hour, nor more than 0.006 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.014 will not exceed 0.001 pound per hour, nor more than 0.002 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.015 will not exceed 0.015 pound per hour, nor more than 0.07 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.015 will not exceed 0.006 pound per hour, nor more than 0.02 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.016 will not exceed 0.015 pound per hour, nor more than 0.07 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.016 will not exceed 0.006 pound per hour, nor more than 0.02 ton per 12-month rolling period.

(7) The opacity from PF1.014 – PF1.016 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.015 – PF1.016** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.014 – PF1.016 each, will not exceed 5 tons of material (iron ore) per any one-hour period.

(2) Hours

(i) PF1.014 – PF1.016 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

I. Emission Unit #(s): PF1.014 - PF1.016 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(g)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (iron ore) for PF1.014 – PF1.016 on a daily basis.

(ii) Monitor the hours of operation for PF1.014 – PF1.016 on a daily basis.

(iii) Monitor the throughput rate for PF1.014 – PF1.016 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.014 – PF1.016; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in I.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in I.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.015 – PF1.016** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.I.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.I.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

I. Emission Unit #(s): PF1.014 - PF1.016 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.I.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

I. Emission Unit #(s): PF1.014 - PF1.016 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.I.3. for PF1.014, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.014 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.I.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.I.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.I.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

J. Emission Unit #(s): PF1.017 - PF1.019, location North 4,387.7074 km, East 305.8320 km, UTM (Zone 11)

System 03(h) - Raw Material Storage		
PF	1.017	Truck Dump 431HP03 to Pozzolan Samson Feeder 511FD03
PF	1.018	Pozzolan Samson Feeder 511FD03 transfer to Weigh Feeder 514WF03
PF	1.019	Weigh Feeder 514WF03 transfer to Conveyor 514BC02

1. Air Pollution Equipment

a. Emissions from PF1.017 – PF1.019 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.017 – PF1.019 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.017 – PF1.019 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.017 – PF1.019 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.017 – PF1.019, the permittee will not discharge or cause the discharge into the atmosphere from PF1.017 – PF1.019, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.017 will not exceed 0.010 pound per hour, nor more than 0.04 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.017 will not exceed 0.004 pound per hour, nor more than 0.020 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.018 will not exceed 0.105 pound per hour, nor more than 0.46 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.018 will not exceed 0.039 pound per hour, nor more than 0.17 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.019 will not exceed 0.105 pound per hour, nor more than 0.46 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.019 will not exceed 0.039 pound per hour, nor more than 0.17 ton per 12-month rolling period.

(7) The opacity from PF1.017 – PF1.019 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.018 – PF1.019** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.017 – PF1.019 each, will not exceed 35 tons of material [pozzolan (fly ash)] per any one-hour period.

(2) Hours

(i) PF1.017 – PF1.019 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

J. Emission Unit #(s): PF1.017 - PF1.019 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(h)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material [pozzolan (fly ash)] for PF1.017 – PF1.019 on a daily basis.

(ii) Monitor the hours of operation for PF1.017 – PF1.019 on a daily basis.

(iii) Monitor the throughput rate for PF1.017 – PF1.019 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.017 – PF1.019; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in J.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material [pozzolan (fly ash)] in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in J.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.018 – PF1.019** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.J.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.J.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

J. Emission Unit #(s): PF1.017 - PF1.019 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.J.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, they must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

J. Emission Unit #(s): PF1.017 - PF1.019 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.J.3. for PF1.017, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.017 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.J.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.J.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.J.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

K. Emission Unit #(s): PF1.020 - PF1.022, location North 4,387.6991 km, East 305.8351 km, UTM (Zone 11)

System 03(i) - Raw Material Storage		
PF	1.020	Truck Dump 431HP01 to Gypsum Samson Feeder 511FD01
PF	1.021	Gypsum Samson Feeder 511FD01 transfer to Weigh Feeder 514WF01
PF	1.022	Weigh Feeder 514WF01 transfer to Conveyor 514BC02

1. Air Pollution Equipment

a. Emissions from PF1.020 – PF1.022 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.020 – PF1.022 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.020 – PF1.022 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.020 – PF1.022 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.020 – PF1.022, the permittee will not discharge or cause the discharge into the atmosphere from PF1.020 – PF1.022, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.020 will not exceed 0.003 pound per hour, nor more than 0.012 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.020 will not exceed 0.001 pound per hour, nor more than 0.004 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.021 will not exceed 0.030 pound per hour, nor more than 0.13 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.021 will not exceed 0.011 pound per hour, nor more than 0.05 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.022 will not exceed 0.030 pound per hour, nor more than 0.13 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.022 will not exceed 0.011 pound per hour, nor more than 0.05 ton per 12-month rolling period.

(7) The opacity from PF1.020 – PF1.022 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.021 – PF1.022** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.020 – PF1.022 each, will not exceed 10 tons of material (gypsum) per any one-hour period.

(2) Hours

(i) PF1.020 – PF1.022 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

K. Emission Unit #(s): PF1.020 - PF1.022 (continued)

3. Operating requirements NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(i)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (gypsum) for PF1.020 – PF1.022 on a daily basis.

(ii) Monitor the hours of operation for PF1.020 – PF1.022 on a daily basis.

(iii) Monitor the throughput rate for PF1.020 – PF1.022 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.020 – PF1.022; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in K.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (gypsum) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in K.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.021 – PF1.022** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.K.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.K.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

K. Emission Unit #(s): PF1.020 - PF1.022 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.K.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

K. Emission Unit #(s): PF1.020 - PF1.022 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.K.3. for PF1.020, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.020 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.K.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.K.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.K.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

L. Emission Unit #(s): PF1.023 - PF1.025, location North 4,387.9096 km, East 305.0169 km, UTM (Zone 11)

System 03(j) - Raw Material Storage		
PF	1.023	Truck Dump 214HP02 to Sand Samson Feeder 214FD02
PF	1.024	Sand Samson Feeder 214FD02 transfer to Weigh Feeder 214WF02
PF	1.025	Weigh Feeder 214WF02 transfer to Conveyor 214BC01

1. Air Pollution Equipment

a. Emissions from PF1.023 – PF1.025 each, shall be controlled by best management practices.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.023 – PF1.025 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.023 – PF1.025 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.023 – PF1.025 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.023 – PF1.025, the permittee will not discharge or cause the discharge into the atmosphere from PF1.023 – PF1.025, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.023 will not exceed 0.021 pound per hour, nor more than 0.09 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.023 will not exceed 0.010 pound per hour, nor more than 0.04 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.024 will not exceed 0.021 pound per hour, nor more than 0.09 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.024 will not exceed 0.010 pound per hour, nor more than 0.04 ton per 12-month rolling period.

(5) The discharge of PM (particulate matter) to the atmosphere from PF1.025 will not exceed 0.021 pound per hour, nor more than 0.09 ton per 12-month rolling period.

(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.025 will not exceed 0.010 pound per hour, nor more than 0.04 ton per 12-month rolling period.

(7) The opacity from PF1.023 – PF1.025 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.024 – PF1.025** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.023 – PF1.025 each, will not exceed 10 tons of material [sand (silica/diatomite)] per any one-hour period.

(2) Hours

(i) PF1.023 – PF1.025 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

L. Emission Unit #(s): PF1.023 - PF1.025 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 03(j)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material [sand (silica/diatomite)] for PF1.023 – PF1.025 on a daily basis.

(ii) Monitor the hours of operation for PF1.023 – PF1.025 on a daily basis.

(iii) Monitor the throughput rate for PF1.023 – PF1.025 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.023 – PF1.025; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in L.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material [sand (silica/diatomite)] in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in L.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

Within 60 days after achieving the maximum production rate at which **PF1.023 – PF1.025** will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.L.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.L.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

L. Emission Unit #(s): PF1.023 - PF1.025 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.L.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

L. Emission Unit #(s): PF1.023 - PF1.025 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.L.3. for PF1.023, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which PF1.023 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(2) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.L.3. The notification shall be postmarked not less than 30 days prior to such date.

(3) Within 60 days after completing the opacity observations contained in Section V.L.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.L.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

M. Emission Unit #(s): S2.012, location North 4,387.8075 km, East 306.0422 km, UTM (Zone 11)

System 04(a) – Raw Mill		
S	2.012	Conveyor 214BC01 transfer to Conveyor 214BC02

1. Air Pollution Equipment

a. Emissions from S2.012, shall be ducted to a control system consisting of a Baghouse (216FN01) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	24.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.012 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.012 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.012 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.012, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (216FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.012, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.012 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.012 will not exceed 310 tons of material (limestone, clay, iron ore) per any one-hour period.
(2) Hours
(i) S2.012 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

M. Emission Unit #(s): S2.012 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 04(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, iron ore) for S2.012 on a daily basis.

(ii) Monitor the hours of operation for S2.012 on a daily basis.

(iii) Monitor the throughput rate for S2.012 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (216FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (216FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (216FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in M.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in M.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (216FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (216FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

M. Emission Unit #(s): S2.012 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.012 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.M.3. for S2.012 by conducting performance tests on the exhaust stack of the Baghouse (216FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (216FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (216FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.M.3. for S2.012.

(4) Performance tests required under Section V.M.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.M.3. for S2.012, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.012 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.M.3. that are conducted below the maximum allowable throughput, as established in Section V.M.3. for S2.012, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.M.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.M.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

M. Emission Unit #(s): S2.012 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.012 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.M.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.M.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.M.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.012 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.012 is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

M. Emission Unit #(s): S2.012 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

N. Emission Unit #(s): S2.013 - S2.017, location North 4,387.7694 km, East 305.9478 km, UTM (Zone 11)

System 04(b) – Raw Mill		
S	2.013	Conveyor 214BC02 transfer to Conveyor 214BC03
S	2.014	Conveyor 214BC03 transfer to Bucket Elevator 214BE01
S	2.015	Static Separator 233SR01 transfer to Feed Bin 232FB01
S	2.016	Feed Bin 232FB02 transfer to Roller Press 232RP01
S	2.017	Roller Press 232RP01 transfer to Conveyor 214BC03

1. Air Pollution Equipment

a. Emissions from S2.013 - S2.017 each, shall be ducted to a control system consisting of a Baghouse (216FN04) with 100% capture and a maximum volume flow rate of 4,576 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	28.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	4,576 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.013 - S2.017 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.013 - S2.017 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.013 - S2.017 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.013 - S2.017, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (216FN04) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.31 pound per hour, nor more than 1.37 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.31 pound per hour, nor more than 1.37 ton per 12-month rolling period.
(3) The opacity from S2.013 - S2.017 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.013 - S2.017 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.013 - S2.017 each, will not exceed 1,370 tons of material (limestone, clay, iron ore) per any one-hour period.
(2) Hours
(i) S2.013 - S2.017 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

N. Emission Unit #(s): S2.013 - S2.017 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 04(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, iron ore) for S2.013 - S2.017 on a daily basis.

(ii) Monitor the hours of operation for S2.013 - S2.017 on a daily basis.

(iii) Monitor the throughput rate for S2.013 - S2.017 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (216FN04) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (216FN04) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (216FN04) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (216FN04); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in N.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in N.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (216FN04), and any corrective actions taken to maintain implementation and proper use of the Baghouse (216FN04) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

N. Emission Unit #(s): S2.013 - S2.017 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.013 - S2.017 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.N.3. for S2.013 - S2.017 by conducting performance tests on the exhaust stack of the Baghouse (216FN04) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (216FN04) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (216FN04) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.N.3. for S2.013 - S2.017.

(4) Performance tests required under Section V.N.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.N.3. for S2.013 - S2.017, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.013 - S2.017 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.N.3. that are conducted below the maximum allowable throughput, as established in Section V.N.3. for S2.013 - S2.017, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.N.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.N.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

N. Emission Unit #(s): S2.013 - S2.017 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.013 - S2.017 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.N.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.N.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.N.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.013 - S2.017 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.013 - S2.017 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

N. Emission Unit #(s): S2.013 - S2.017 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

O. Emission Unit #(s): S2.018 - S2.019, location North 4,387.7718 km, East 305.9542 km, UTM (Zone 11)

System 04(c) – Raw Mill		
S	2.018	Bucket Elevator 214BE01 transfer to Conveyor 214BC04
S	2.019	Conveyor 214BC04 transfer to Static Separator 233SR01

1. Air Pollution Equipment

a. Emissions from S2.018 - S2.019 each, shall be ducted to a control system consisting of a Baghouse (216FN03) with 100% capture and a maximum volume flow rate of 8,479 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	137.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	2.05	Gas Volume Rate (cu. ft/min):	12,600 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	8,479 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.018 - S2.019 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.018 - S2.019 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.018 - S2.019 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.018 - S2.019, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (216FN03) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.58 pound per hour, nor more than 2.55 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.58 pound per hour, nor more than 2.55 ton per 12-month rolling period.
(3) The opacity from S2.018 - S2.019 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.018 - S2.019 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.018 - S2.019 each, will not exceed 1,370 tons of material (limestone, clay, iron ore) per any one-hour period.
(2) Hours
(i) S2.018 - S2.019 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

O. Emission Unit #(s): S2.018 - S2.019 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 04(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, iron ore) for S2.018 - S2.019 on a daily basis.

(ii) Monitor the hours of operation for S2.018 - S2.019 on a daily basis.

(iii) Monitor the throughput rate for S2.018 - S2.019 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (216FN03) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (216FN03) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (216FN03) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (216FN03); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in O.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in O.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (216FN03), and any corrective actions taken to maintain implementation and proper use of the Baghouse (216FN03) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

O. Emission Unit #(s): S2.018 - S2.019 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.018 - S2.019 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.O.3. for S2.018 - S2.019 by conducting performance tests on the exhaust stack of the Baghouse (216FN03) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (216FN03) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (216FN03) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.O.3. for S2.018 - S2.019.

(4) Performance tests required under Section V.O.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.O.3. for S2.018 - S2.019, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.018 - S2.019 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.O.3. that are conducted below the maximum allowable throughput, as established in Section V.O.3. for S2.018 - S2.019, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.O.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.O.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

O. Emission Unit #(s): S2.018 - S2.019 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.018 - S2.019 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.O.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.O.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.O.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.018 - S2.019 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.018 - S2.019 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

O. Emission Unit #(s): S2.018 - S2.019 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

P. Emission Unit #(s): S2.020, location North 4,387.7767 km, East 306.9390 km, UTM (Zone 11)

System 04(d) – Raw Mill		
S	2.020	Cyclones 252CN01 and 252CN02 transfer to Air Slide 255AS01

1. Air Pollution Equipment

a. Emissions from S2.020 shall be ducted to a control system consisting of a Baghouse (256FN01) with 100% capture and a maximum volume flow rate of 3,499 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	10.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	3,499 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.020 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.020 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.020 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.020, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (256FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(3) The opacity from S2.020 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.020 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.020 will not exceed 270 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.
(2) Hours
(i) S2.020 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

P. Emission Unit #(s): S2.020 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 04(d)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.020 on a daily basis.

(ii) Monitor the hours of operation for S2.020 on a daily basis.

(iii) Monitor the throughput rate for S2.020 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (256FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (256FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (256FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (256FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in P.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in P.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (256FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (256FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

P. Emission Unit #(s): S2.020 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.020 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.P.3. for S2.020 by conducting performance tests on the exhaust stack of the Baghouse (256FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (256FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (256FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.P.3. for S2.020.

(4) Performance tests required under Section V.P.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.P.3. for S2.020, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.020 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.P.3. that are conducted below the maximum allowable throughput, as established in Section V.P.3. for S2.020, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.P.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.P.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

P. Emission Unit #(s): S2.020 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.020 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.P.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.P.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.P.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.020 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.020 is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

P. Emission Unit #(s): S2.020 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Q. Emission Unit #(s): S2.021 - S2.023, location North 4,387.7603 km, East 305.9331 km, UTM (Zone 11)

System 05(a) – Blending Operations Storage Silos		
S	2.021	Air Slide 255AS01 transfer to Bucket Elevator 254BE01
S	2.022	Screw Conveyor 314SC03 transfer to Screw Conveyor 314SC04
S	2.023	Screw Conveyor 314SC03 transfer to Bucket Elevator 254BE01

1. Air Pollution Equipment

a. Emissions from S2.021 - S2.023 each, shall be ducted to a control system consisting of a Baghouse (256FN02) with 100% capture and a maximum volume flow rate of 3,499 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	8.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	3,499 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.021 - S2.023 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.021 - S2.023 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.021 - S2.023 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.021 - S2.023, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (256FN02) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.

(3) The opacity from S2.021 - S2.023 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.021 - S2.023 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.021 - S2.023 each, will not exceed 300 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.

(2) Hours

(i) S2.021 - S2.023 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Q. Emission Unit #(s): S2.021 - S2.023 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 05(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.021 - S2.023 on a daily basis.

(ii) Monitor the hours of operation for S2.021 - S2.023 on a daily basis.

(iii) Monitor the throughput rate for S2.021 - S2.023 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (256FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (256FN02**)** is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (256FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (256FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in Q.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in Q.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (256FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (256FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Q. Emission Unit #(s): S2.021 - S2.023 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.021 - S2.023 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.Q.3. for S2.021 - S2.023 by conducting performance tests on the exhaust stack of the Baghouse (256FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (256FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (256FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.Q.3. for S2.021 - S2.023.

(4) Performance tests required under Section V.Q.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.Q.3. for S2.021 - S2.023, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.021 - S2.023 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.Q.3. that are conducted below the maximum allowable throughput, as established in Section V.Q.3. for S2.021 - S2.023, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.Q.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.Q.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Q. Emission Unit #(s): S2.021 - S2.023 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.021 - S2.023 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Q.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Q.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.Q.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Q. Emission Unit #(s): S2.021 - S2.023 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

R. Emission Unit #(s): S2.024 - S2.027, location North 4,387.7600 km, East 305.9100 km, UTM (Zone 11)

System 05(b) – Blending Operations Storage Silos		
S	2.024	Bucket Elevator 254BE01 transfer to Air Slide 255AS05
S	2.025	Air Slide 255AS05 transfer to Air Slide 255AS06
S	2.026	Air Slide 255AS05 transfer to Air Slide 255AS07
S	2.027	Air Slide 255AS06 transfer to Air Slide 255AS08

1. Air Pollution Equipment

a. Emissions from S2.024 - S2.027 each, shall be ducted to a control system consisting of a Baghouse (DC-305) with 100% capture and a maximum volume flow rate of 3,665 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	91.0	Velocity (ft/sec):	43.96
Inside Diameter (feet):	1.65	Gas Volume Rate (cu. ft/min):	5,640 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	3,665 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.024 - S2.027 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.024 - S2.027 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.024 - S2.027 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.024 - S2.027, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-305) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.39 pound per hour, nor more than 1.69 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.39 pound per hour, nor more than 1.69 ton per 12-month rolling period.

(3) The opacity from S2.024 - S2.027 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.024 - S2.027 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.024 - S2.027 each, will not exceed 310 tons of material (limestone, clay, and iron ore) per any one-hour period.

(2) Hours

(i) S2.024 - S2.027 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

R. Emission Unit #(s): S2.024 - S2.027 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 05(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (limestone, clay, and iron ore) for S2.024 - S2.027 on a daily basis.

(ii) Monitor the hours of operation for S2.024 - S2.027 on a daily basis.

(iii) Monitor the throughput rate for S2.024 - S2.027 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-305) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-305**)** is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-305) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-305); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in R.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (limestone, clay, and iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in R.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-305), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-305) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

R. Emission Unit #(s): S2.024 - S2.027 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.024 - S2.027 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.R.3. for S2.024 - S2.027 by conducting performance tests on the exhaust stack of the Baghouse (DC-305) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-305) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-305) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.R.3. for S2.024 - S2.027.

(4) Performance tests required under Section V.R.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.R.3. for S2.024 - S2.027, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.024 - S2.027 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.R.3. that are conducted below the maximum allowable throughput, as established in Section V.R.3. for S2.024 - S2.027, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.R.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.R.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

R. Emission Unit #(s): S2.024 - S2.027 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.024 - S2.027 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.R.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.R.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.R.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

R. Emission Unit #(s): S2.024 - S2.027 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

S. Emission Unit #(s): S2.028 - S2.032, location North 4,387.7489 km, East 305.9252 km, UTM (Zone 11)

System 06(a) – Kiln Feed System		
S	2.028	Blend Silo Withdrawal Air Slide 285AS01 transfer to Air Slide 285AS02
S	2.029	Air Slide 285AS02 transfer to Bucket Elevator 284BE01
S	2.030	Bucket Elevator 284BE01 transfer to Air Slide 285AS03
S	2.031	Air Slide 285AS03 transfer to Bucket Elevator 284BE02
S	2.032	Screw Conveyor 314SC04 transfer to Air Slide 285AS02

1. Air Pollution Equipment

a. Emissions from S2.028 - S2.032 each, shall be ducted to a control system consisting of a Baghouse (286FN01) with 100% capture and a maximum volume flow rate of 4,576 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	8.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	4,576 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.028 - S2.032 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.028 - S2.032 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.028 - S2.032 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.028 - S2.032, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (286FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.31 pound per hour, nor more than 1.37 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.31 pound per hour, nor more than 1.37 ton per 12-month rolling period.
(3) The opacity from S2.028 - S2.032 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.028 - S2.032 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.028 - S2.032 each, will not exceed 280 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.
(2) Hours
(i) S2.028 - S2.032 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

S. Emission Unit #(s): S2.028 - S2.032 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 06(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.028 - S2.032 on a daily basis.

(ii) Monitor the hours of operation for S2.028 - S2.032 on a daily basis.

(iii) Monitor the throughput rate for S2.028 - S2.032 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (286FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (286FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (286FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (286FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in S.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in S.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (286FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (286FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

S. Emission Unit #(s): S2.028 - S2.032 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.028 - S2.032 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.S.3. for S2.028 - S2.032 by conducting performance tests on the exhaust stack of the Baghouse (286FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (286FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (286FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.S.3. for S2.028 - S2.032.

(4) Performance tests required under Section V.S.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.S.3. for S2.028 - S2.032, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.028 - S2.032 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.S.3. that are conducted below the maximum allowable throughput, as established in Section V.S.3. for S2.028 - S2.032, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.S.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.S.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

S. Emission Unit #(s): S2.028 - S2.032 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.028 - S2.032 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.S.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.S.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.S.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

S. Emission Unit #(s): S2.028 - S2.032 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

T. Emission Unit #(s): S2.033 - S2.035, location North 4,387.7195 km, East 305.9513 km, UTM (Zone 11)

System 06(b) – Kiln Feed System		
S	2.033	Bucket Elevator 284BE02 transfer to Air Slide 285AS04
S	2.034	Air Slide 285AS04 transfer to Feed Bin 272FB01
S	2.035	Feed Bin 272FB01 transfer to Air Slides 275AS01 and 275AS02

1. Air Pollution Equipment

a. Emissions from S2.033 - S2.035 each, shall be ducted to a control system consisting of a Baghouse (276FN01) with 100% capture and a maximum volume flow rate of 3,499 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	86.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	3,499 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.033 - S2.035 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.033 - S2.035 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.033 - S2.035 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.033 - S2.035, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (276FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(3) The opacity from S2.033 - S2.035 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.033 - S2.035 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.033 - S2.035 each, will not exceed 280 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.
(2) Hours
(i) S2.033 - S2.035 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

T. Emission Unit #(s): S2.033 - S2.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 06(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.033 - S2.035 on a daily basis.

(ii) Monitor the hours of operation for S2.033 - S2.035 on a daily basis.

(iii) Monitor the throughput rate for S2.033 - S2.035 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (276FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (276FN01**)** is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (276FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (276FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in T.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in T.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (276FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (276FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

T. Emission Unit #(s): S2.033 - S2.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.033 - S2.035 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.T.3. for S2.033 - S2.035 by conducting performance tests on the exhaust stack of the Baghouse (276FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (276FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (276FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.T.3. for S2.033 - S2.035.

(4) Performance tests required under Section V.T.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.T.3. for S2.033 - S2.035, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.033 - S2.035 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.T.3. that are conducted below the maximum allowable throughput, as established in Section V.T.3. for S2.033 - S2.035, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.T.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.T.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

T. Emission Unit #(s): S2.033 - S2.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.033 - S2.035 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.T.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.T.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.T.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

T. Emission Unit #(s): S2.033 - S2.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

U. Emission Unit #(s): S2.036 - S2.037, location North 4,387.7094 km, East 305.9532 km, UTM (Zone 11)

System 06(c) – Kiln Feed System		
S	2.036	Air Slides 275AS01 and 275AS02 transfer to Air Slide 275AS03
S	2.037	Air Slide 275AS03 transfer to Bucket Elevator 274BE01

1. Air Pollution Equipment

a. Emissions from S2.036 - S2.037 each, shall be ducted to a control system consisting of a Baghouse (276FN02) with 100% capture and a maximum volume flow rate of 5,787 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	94.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.70	Gas Volume Rate (cu. ft/min):	8,600 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	5,787 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.036 - S2.037 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.036 - S2.037 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.036 - S2.037 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.036 - S2.037, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (276FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.40 pound per hour, nor more than 1.74 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.40 pound per hour, nor more than 1.74 ton per 12-month rolling period.
(3) The opacity from S2.036 - S2.037 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.036 - S2.037 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.036 - S2.037 each, will not exceed 250 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.
(2) Hours
(i) S2.036 - S2.037 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

U. Emission Unit #(s): S2.036 - S2.037 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 06(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.036 - S2.037 on a daily basis.

(ii) Monitor the hours of operation for S2.036 - S2.037 on a daily basis.

(iii) Monitor the throughput rate for S2.036 - S2.037 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (276FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (276FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (276FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (276FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in U.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in U.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (276FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (276FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

U. Emission Unit #(s): S2.036 - S2.037 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.036 - S2.037 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.U.3. for S2.036 - S2.037 by conducting performance tests on the exhaust stack of the Baghouse (276FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (276FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (276FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.U.3. for S2.036 - S2.037.

(4) Performance tests required under Section V.U.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.U.3. for S2.036 - S2.037, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.036 - S2.037 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.U.3. that are conducted below the maximum allowable throughput, as established in Section V.U.3. for S2.036 - S2.037, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.U.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.U.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

U. Emission Unit #(s): S2.036 - S2.037 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.036 - S2.037 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.U.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.U.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.U.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

U. Emission Unit #(s): S2.036 - S2.037 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

V. Emission Unit #(s): S2.038 - S2.039, location North 4,387.7156 km, East 305.9543 km, UTM (Zone 11)

System 06(d) – Kiln Feed System		
S	2.038	Bucket Elevator 274BE01 transfer to Air Slide 275AS04
S	2.039	Air Slide 275AS04 transfer to Kiln System

1. Air Pollution Equipment

a. Emissions from S2.038 - S2.039 each, shall be ducted to a control system consisting of a Baghouse (276FN03) with 100% capture and a maximum volume flow rate of 3,499 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	334.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	200.0	Gas Volume Rate (cu. ft/min):	3,499 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.038 - S2.039 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.038 - S2.039 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.038 - S2.039 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.038 - S2.039, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (276FN03) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.05 ton per 12-month rolling period.
(3) The opacity from S2.038 - S2.039 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.038 - S2.039 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.038 - S2.039 each, will not exceed 250 tons of material (high limestone, low limestone, clay, sand, iron ore) per any one-hour period.
(2) Hours
(i) S2.038 - S2.039 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

V. Emission Unit #(s): S2.038 - S2.039 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 06(d)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (high limestone, low limestone, clay, sand, iron ore) for S2.038 - S2.039 on a daily basis.

(ii) Monitor the hours of operation for S2.038 - S2.039 on a daily basis.

(iii) Monitor the throughput rate for S2.038 - S2.039 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (276FN03) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (276FN03) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (276FN03) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (276FN03); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in V.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (high limestone, low limestone, clay, sand, iron ore) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in V.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (276FN03), and any corrective actions taken to maintain implementation and proper use of the Baghouse (276FN03) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

V. Emission Unit #(s): S2.038 - S2.039 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.038 - S2.039 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.V.3. for S2.038 - S2.039 by conducting performance tests on the exhaust stack of the Baghouse (276FN03) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (276FN03) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (276FN03) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.V.3. for S2.038 - S2.039.

(4) Performance tests required under Section V.V.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.V.3. for S2.038 - S2.039, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.038 - S2.039 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.V.3. that are conducted below the maximum allowable throughput, as established in Section V.V.3. for S2.038 - S2.039, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.V.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.V.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

V. Emission Unit #(s): S2.038 - S2.039 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.038 - S2.039 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.V.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.V.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.V.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

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Section V. Specific Operating Conditions (continued)

V. Emission Unit #(s): S2.038 - S2.039 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043, location North 4,387.7282 km, East 305.9522 km, UTM (Zone 11)

System 07 – Kiln System		
S	2.040	Kiln – 331KL01
S	2.041	Static Separator 233SR01 transfer to Dynamic Separator 233SR02
S	2.042	Dynamic Separator 233SR02 transfer to Cyclones 252CN01 and 252CN02
S	2.043	Screw Conveyors 314SC01 and 314SC02 transfer to Screw Conveyor 314SC03

1. Air Pollution Equipment

a. Emissions from S2.040 - S2.043 each, shall be ducted to a control system consisting of a Baghouse (318SK01) with 100% capture and a maximum volume flow rate of 115,924 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	402.0	Velocity (ft/sec):	50.00
Inside Diameter (feet):	9.86	Gas Volume Rate (cu. ft/min):	229,130 acfm
Temperature (°F):	383.0	Gas Volume Rate (cu. ft/min):	115,924 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.040 - S2.043 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.040 - S2.043 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.040 - S2.043 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.040 - S2.043, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (318SK01) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 7.95 pound per hour, nor more than 34.82 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 7.95 pound per hour, nor more than 34.82 ton per 12-month rolling period.

(3) The discharge of NOx (nitrogen oxides) to the atmosphere will not exceed - See Section VI. Emission Caps.

(4) The discharge of CO (carbon monoxides) to the atmosphere will not exceed - See Section VI. Emission Caps.

(5) The discharge of SO_2 (sulfur dioxides) to the atmosphere will not exceed - See Section VI. Emission Caps.

(6) The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed - See Section VI. Emission Caps.

(7) The opacity from S2.040 - S2.043 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

(1) Standards [§ 63.1343(c)]:
The Permittee shall not cause to be discharged into the atmosphere from S2.040 - S2.043 each, any gases which:
(i) Contain particulate matter (PM) in excess of 0.15 kg per Mg (0.30 lb per ton) of feed (dry basis) to the kiln.
(ii) Exhibit opacity greater than 20 percent.
(iii) Contain dioxins and furans (D/F) in excess of:
(a) 0.20 ng per dscm (8.7×10^{-11} gr per dscf) (Toxicity Equivalents); or
(b) 0.40 ng per dscm (1.7×10^{-10} gr per dscf) (Toxicity Equivalents), when the average of the performance test run average temperatures at the inlet to the particulate matter control device is 204 ºC (400 ºF) or less. All D/F emission limits are on a dry basis, corrected to 7 percent oxygen.
(iv) Contain total hydrocarbons (THC), from the main exhaust of the kiln, in excess of 20 ppmv. As an alternative to meeting the 20 ppmv standard the permittee may demonstrate a 98 percent reduction of THC emissions from the exit of the kiln to discharge to the atmosphere. All total hydrocarbon (THC) emission limits are measured as propane. The block averaging period to demonstrate compliance is hourly.
(v) Contain mercury from the main exhaust of the kiln, in excess of 41µg/dscm. As an alternative to meeting the 41µg/dscm standard the permittee may route the emissions through a packed bed or spray tower wet scrubber with a liquid-to-gas (l/g) ratio of 30 gallons per 1000 actual cubic feet per minute (acfm) or more and meet a site-specific emissions limit based on the measured performance of the wet scrubber. All mercury emission limits are on a dry basis, corrected to 7 percent oxygen.

(2) Operating Limits [§ 63.1344]:
(i) The Permittee must operate the kiln such that the temperature of the gas at the inlet to the kiln particulate matter control device (PMCD) does not exceed the applicable temperature limit specified in paragraph b.(2)(ii) below [§ 63.1344(a)].
(ii) The temperature limit for the source meeting the limits specified in b.(2)(i) above is determined in accordance with V.W.3.f.(2)(v)(d) of this Section [§ 63.1344(b)].
(iii) The permittee must implement good combustion practices (GCP) designed to minimize THC from fuel combustion. GCP include training all operators and supervisors to operate and maintain the kiln and calciner, and the pollution control systems in accordance with good engineering practices. The training shall include methods for minimizing excess emissions [§ 63.1344(f)].
(iv) The permitte shall not use as a raw material or fuel any fly ash where the mercury content of the fly ash has been increased through the use of activated carbon, or any other sorbent unless the use of that fly ash will not result in an increase in mercury emissions over baseline emissions (i.e. emissions not using the fly ash). The permittee has the burden of proving there has been no emissions increase over baseline [§ 63.1344(g)].
(v) The permitte must remove (i.e. not recycle to the kiln) from the kiln system sufficient cement kiln dust to maintain the desired product quality [§ 63.1349(h)].
(vi) The permitte must not exceed the average hourly cement kiln dust (CKD) recycle rate measured during mercury performance testing. Any exceedance of this average hourly rate is considered a violation of the standard [§ 63.1349(i)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable clinker production rate for S2.040 - S2.043 each, will not exceed 135 tons per any one-hour period.
(2) The maximum allowable combined coal or coal/pet coke feed rate for S2.040 will not exceed 31.5 tons per any one-hour period.
(3) The permittee may combust the following fuels under the following conditions:
(i) 100% coal may be combusted at all times; with the maximum sulfur content not to exceed 0.6% by weight.
(ii) A coal/pet coke blend may be combusted; with the maximum sulfur content not to exceed 0.6% by weight for coal and 4.0% by weight for pet coke.
(iii) Natural gas may be combusted as start-up fuel only. The maximum allowable feed rate for natural gas will not exceed 200.0 MMscf per 12-month rolling period, total.
(iv) Non-hazardous waste oils generated solely by the permittee may be combusted at a maximum feed rate not to exceed 5,280 gallons per 12-month rolling period, total.
(v) Tire derived fuel (TDF) may be combusted at a maximum feed rate not to exceed 2 tons per any one-hour period, total.
(vi) Medium density fiber/particle boards (MDF) [Sawdust] may be combusted at a maximum feed rate not to exceed 4 tons per any one-hour period, total.
(vii) Dried distillers grain (DDG) may be combusted at a maximum feed rate not to exceed 10 tons per any one-hour period, total.

(4) Hours
(i) S2.040 - S2.043 each, may operate a total of 8,760 hours per calendar year.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 07** will:

(1) Monitoring and Recordkeeping

(i) Monitor the clinker production rate for S2.040 - S2.043 on a daily basis.
(ii) Monitor the coal or coal/pet coke feed rate for S2.040 on a daily basis.
(iii) Monitor the natural gas feed rate for S2.040 on a daily basis.
(iv) Monitor the non-hazardous waste oil feed rate for S2.040 on a daily basis.
(v) Monitor the tire derived fuel (TDF) feed rate for S2.040 on a daily basis.
(vi) Monitor the medium density fiber/particle boards (MDF) feed rate for S2.040 on a daily basis.
(vii) Monitor the dried distillers grain (DDG) feed rate for S2.040 on a daily basis.
(viii) Monitor the hours of operation for S2.040 - S2.043 on a daily basis.
(ix) Monitor the clinker production rate for S2.040 - S2.043 on a cumulative monthly basis, for each 12-month rolling period.
(x) Monitor the coal or coal/pet coke feed rate for S2.040 - S2.043 on a cumulative monthly basis, for each 12-month rolling period.
(xi) Monitor the natural gas feed rate for S2.040 - S2.043 on a cumulative monthly basis, for each 12-month rolling period.
(xii) Monitor the non-hazardous waste oil feed rate for S2.040 - S2.043 on a cumulative monthly basis, for each 12-month rolling period.
(xiii) Conduct a weekly observation of the Baghouse (318SK01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (318SK01**)** is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (318SK01) is done in accordance with the manufacturer's O&M manual.
(xiv) Maintain records of the test results verifying non-hazardous conditions of the waste oils. The permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the waste oils meeting the standards set forth in 40 CFR 279.11.
(xv) Install, calibrate, operate and maintain mass measurement devices to continuously measure the amount of fuel combusted in S2.040. The mass measurement devices must be installed at appropriate locations in the fuel delivery system to accurately and continuously measure the following listed fuels combusted in S2.040:
(a) Coal or coal/pet coke in tons;
(b) Natural gas in MMscf;
(c) Non-hazardous waste oil in gallons;
(d) Tire derived fuel (TDF) in tons;
(e) Medium density fiber/particle boards (MDF) in tons; and
(f) Dried distillers grain (DDG) in tons.
(xvi) Install, calibrate, operate and maintain a Continuous Data Collection System (CDCS) to continuously record the quantities of all fuels as measured by the fuel mass measurement devices required in W.3.d.(1)(xv)(a) through (f) above. The CDCS will be installed, calibrated, operated and maintained in accordance with the manufacturer's specifications.
(xvii) Maintain supplier certifications to demonstrate compliance for coal and pet coke sulfur contents as required in W.3.c.(3)(i) & (ii) of this Section.
(xviii) Install, calibrate, maintain, and operate a SO_2 continuous emissions monitoring system (CEMS) (consisting of a SO_2 pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of SO_2 (in ppm), volumetric gas flow (in scfh), and SO_2 emissions rate (in lb/hr and tons per 12-month rolling period) from S2.040. The CEMS will be installed at an appropriate location in the exhaust stack of S2.040 to accurately and continuously measure the SO_2 concentration in S2.040 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications 2 (PS-2) and 6 (PS-6); and 40 CFR Part 60, Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.
(xix) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the SO_2 concentration (in ppm), volumetric gas flow (in scfh), and SO_2 emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in W.3.d.(1)(xviii) above. The CDCS will be installed, calibrated, operated and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365) (**continued**)

(1) Monitoring and Recordkeeping (**continued**)

(xx) Install, calibrate, operate and maintain a NO_x continuous emissions monitoring system (CEMS) (consisting of a NO_x pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of NO_x (in ppm), volumetric gas flow (in scfh), and NO_x emissions rate (in lb/hr and tons per 12-month rolling period) from S2.040. The CEMS will be installed at an appropriate location in the exhaust stack of S2.040 to accurately and continuously measure the NO_x concentration in S2.040 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications 2 (PS-2) and 6 (PS-6); and 40 CFR Part Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.

(xxi) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the NO_x concentration (in ppm), volumetric gas flow (in scfh), and NO_x emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in W.3.d.(1)(xx) above. The CDCS will be installed, calibrated, operated, and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

(xxii) Install, calibrate, operate and maintain a CO continuous emissions monitoring system (CEMS) (consisting of a CO pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of CO (in ppm), volumetric gas flow (in scfh), and CO emissions rate (in lb/hr and tons per 12-month rolling period) from S2.040. The CEMS will be installed at an appropriate location in the exhaust stack of S2.040 to accurately and continuously measure the CO concentration in S2.040 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specification 4; and 40 CFR Part Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.

(xxiii) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the CO concentration (in ppm), volumetric gas flow (in scfh), and CO emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in W.3.d.(1)(xxii) above. The CDCS will be installed, calibrated, operated, and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

(xxiv) Install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to continuously measure and record the opacity discharged from S2.040. The COMS will be installed at an appropriate location in the discharge stack of S2.040 to accurately and continuously measure the opacity of S2.040 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 63 §63.1650(c), and 40 CFR Part 60, Appendix B, Performance Specification 1 (PS-1). If opacity interference due to water droplets exists in the stack, the opacity is monitored upstream of the interference.

(xxv) Install, calibrate, operate and maintain a Continuous Data Collection System (CDCS) to continuously record the opacity (in percent) as measured by the COMS required in W.3.d.(1)(xxiv) above on a 3-minute average period and 6-minute average period. The CDCS will be installed, calibrated, operated and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 63 §63.1650(c), and 40 CFR Part 60, Appendix B, Performance Specifications.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365) (**continued**)

(1) Monitoring and Recordkeeping (**continued**)

(xxvi) The required monitoring established in W.3.d.(1)(i) through (xxv) of this section, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.
(b) The total daily clinker production rate in tons, for the corresponding date.
(c) The total daily coal or coal/pet coke feed rate in tons, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(d) The sulfur contents of the coal and pet coke, as required in W.3.d.(1)(xvii) of this section.
(e) The total daily natural gas feed rate in MMscf, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(f) The total daily non-hazardous waste oil feed rate in gallons, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(g) The total daily tire derived fuel (TDF) feed rate in tons, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(h) The total daily medium density fiber/particle boards (MDF) feed rate in tons, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(i) The total daily dried distillers grain (DDG) feed rate in tons, based on the data recorded by the CDCS as required in W.3.d.(1)(xvi) of this section, for the corresponding date.
(j) The total daily hours of operation for the corresponding date.
(k) The corresponding average hourly clinker production rate in tons per hour. The average hourly clinker production rate will be determined from the total daily clinker production rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(b) & (j) above.
(l) The corresponding average hourly coal or coal/pet coke feed rate in tons per hour. The average hourly coal or coal/pet coke feed rate will be determined from the total daily coal or coal/pet coke feed rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(c) & (j) above.
(m) The corresponding average hourly natural gas feed rate in MMscf per hour. The average hourly natural gas feed rate will be determined from the total daily natural gas feed rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(e) & (j) above.
(n) The corresponding average hourly non-hazardous waste oil feed rate in gallons per hour. The average non-hazardous waste oil feed rate will be determined from the total daily non-hazardous waste oil feed rate and the total daily hours of operation recorded in W.3.d.(e)(xxvi)(f) & (j) above.
(o) The corresponding average hourly tire derived fuel (TDF) feed rate in tons per hour. The average hourly tire derived fuel (TDF) feed rate will be determined from the total daily tire derived fuel (TDF) feed rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(g) & (j) above.
(p) The corresponding average hourly medium density fiber/particle boards (MDF) feed rate in tons per hour. The average hourly medium density fiber/particle boards (MDF) feed rate will be determined from the total daily medium density fiber/particle boards (MDF) feed rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(h) & (j) above.
(q) The corresponding average hourly daily dried distillers grain (DDG) feed rate in tons per hour. The average daily dried distillers grain (DDG) feed rate will be determined from the total daily dried distillers grain (DDG) feed rate and the total daily hours of operation recorded in W.3.d.(1)(xxvi)(i) & (j) above.
(r) The cumulative monthly throughput rates for clinker production rate and feed rates for all fuels combusted as specified in W.3.d.(1)(xxvi)(k) through (q) above, for each 12-month rolling period.
(s) The SO_2 emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in W.3.d.(1)(xix) of this section.
(t) The NOx emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in W.3.d.(1)(xxi) of this section.
(u) The CO emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in W.3.d.(1)(xxiii) of this section.
(v) The VOC emissions rates in lbs/hr and tons per 12-month rolling period.
(w) The opacity in percent, based on the data recorded by the CDCS as required in W.3.d.(1)(xxv) of this section.
(x) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (318SK01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (318SK01) used for control of emissions.
(y) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.040 - S2.043 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the emission limits established in Section V.W.3.a. for S2.040 - S2.043 by conducting performance tests on the exhaust stack of the Baghouse (318SK01) as follows:

(1) All the performance and compliance tests required in Section V.W.3.e. and f. shall be conducted at the exhaust stack of System 07 (Kiln System) with 100% flow exiting from the Baghouse (318SK01). The permittee shall not divert any flow to System 22(a) during any performance test required in Section V.W.3.e. and f.

(2) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (318SK01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(3) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (318SK01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(4) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.W.3. for S2.040 - S2.043.

(5) Conduct and record Method 7E compliance test for NOx, Method 10 compliance test for CO, Method 6 compliance test for SO_2, and Methods 25 or 25A compliance tests for VOC in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director).

(6) Performance tests required under Section V.W.3.e. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(7) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(8) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(9) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.W.3.a. for S2.040 - S2.043, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.040 - S2.043 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(10) Performance tests and opacity observations required under Section V.W.3. that are conducted below the maximum allowable throughput, as established in Section V.W.3. for S2.040 - S2.043, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(11) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(12) Within 60 days after completing the performance tests and opacity observations contained in Section V.W.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.W.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.040 - S2.043 will be operated, but no later than 180 days after initial startup of the facility:

(1) All the performance and compliance tests required in Section V.W.3.e. and f. shall be conducted at the exhaust stack of System 07 (Kiln System) with 100% flow exiting from the Baghouse (318SK01). The permittee shall not divert any flow to System 22(a) during any performance test required in Section V.W.3.e. and f.

(2) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.W.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.W.3.b. by conducting a performance test as specified in paragraphs (a) through (c) below [§ 63.1349(b)(1)].

(a) Method 5 of appendix A to part 60 of 40 CFR shall be used to determine PM emissions. Each performance test shall consist of three separate runs under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). Each run shall be conducted for at least 1 hour, and the minimum sample volume shall be 0.85 dscm (30 dscf). The average of the three runs shall be used to determine compliance. A determination of the PM collected in the impingers ("back half") of the Method 5 particulate sampling train is not required to demonstrate initial compliance with the PM standards of this subpart. However, this shall not preclude the permitting authority from requiring a determination of the "back half" for other purposes.

(b) Suitable methods shall be used to determine the kiln feed rate, except for fuels, for each run.

(c) The emission rate, E, of particulate matter (PM) shall be computed for each run using the following equation:

$$E = (C_s\ Q_{sd}) / P$$

where: E = emission rate of particulate matter, kg/Mg of kiln feed.
Cs= concentration of PM, kg/dscm.
Qsd= volumetric flow rate of effluent gas, dscm/hr.
P = total kiln feed (dry basis), Mg/hr.

(iii) The opacity exhibited during the period of the Method 5 of Appendix A to part 60 of 40 CFR performance tests required by paragraph (ii)(a) above shall be determined as required in paragraph (a) below [§ 63.1349(b)(1)(v)].

(a) The opacity exhibited during the period of the Method 5 performance tests required by paragraph (ii)(a) above shall be determined through the use of a continuous opacity monitor (COM). The maximum six-minute average opacity during the three Method 5 test runs shall be determined during each Method 5 test run, and used to demonstrate initial compliance with the opacity limits established in Section V.W.3.b.

(iv) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(v) The permittee shall demonstrate initial compliance with the D/F emission limit by conducting a performance test using Method 23 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(3)].

(a) Each performance test shall consist of three separate runs; each run shall be conducted under the conditions that exist when the affected source is operating at the representative performance conditions in accordance with §63.7(e). The duration of each run shall be at least 3 hours, and the sample volume for each run shall be at least 2.5 dscm (90 dscf). The concentration shall be determined for each run, and the arithmetic average of the concentrations measured for the three runs shall be calculated and used to determine compliance.

(b) The temperature at the inlet to the kiln must be continuously recorded during the period of the Method 23 test, and the continuous temperature record(s) must be included in the performance test report.

(c) One-minute average temperatures must be calculated for each minute of each run of the test.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349) (**continued**)

(d) The run average temperature must be calculated for each run, and the average of the run average temperatures must be determined and included in the performance test report and will determine the applicable temperature limit in accordance with W.3.b.(2)(ii) of this Section.

(vi) The permittee shall demonstrate initial compliance with the THC limit by operating a continuous emission monitor in accordance with Performance Specification 8A of appendix B to part 60 of 40 CFR [§ 63.1349(b)(4)(i)]. The duration of the performance test shall be three hours, and the average THC concentration (as calculated from the one-minute averages) during the three-hour performance test shall be calculated.

(vii) The permittee who elects to demonstrate compliance with the alternative THC emission limit of 98 percent weight reduction must demonstrate compliance by also operating a continuous emission monitor in accordance with Performance Specification 8A of appendix B to part 60 at the inlet to the THC control device of the kiln in the same manner as prescribed in paragraph (vi) above. Alternately, the permittee may elect to demonstrate a 98 weight percent reduction in THC across the control device using the performance test requirements in 40 CFR part 63, subpart SS.

(viii) The permittee shall demonstrate compliance with the mercury standard using EPA Method 29 of 40 CFR part 60 [§ 63.1349(b)(5)]. ASTM D6784–02, Standard Test Method for Elemental, Oxidized, Particle-Bound and Total Mercury Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method), is an acceptable alternative to EPA Method 29 (portion for mercury only).

(ix) Performance tests required in W.3.f.(2)(ii) of this section shall be repeated every five (5) years, except that the permittee is not required to repeat the initial performance test of opacity [§ 63.1349(c)].

(x) Performance tests required in W.3.f.(2)(v) of this section shall be repeated every 30 months [§ 63.1349(d)].

(3) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits and operating limits established in V.W.3.b.; and

(b) Procedures to be used during an inspection of the components of the combustion system of the kiln located at the facility at least once per year.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee of a kiln shall monitor opacity at each point where emissions are vented from these affected sources in accordance with paragraphs (a) through (b) below [§63.1350(c)].

(a) The permittee shall install, calibrate, maintain, and continuously operate a continuous opacity monitor (COM) located at the outlet of the PM control device to continuously monitor the opacity. The COM shall be installed, maintained, calibrated, and operated as required by subpart A, general provisions of part 63, and according to PS–1 of appendix B to part 60 of 40 CFR.

(b) To remain in compliance, the opacity must be maintained such that the 6-minute average opacity for any 6-minute block period does not exceed 20 percent. If the average opacity for any 6-minute block period exceeds 20 percent, this shall constitute a violation of the standard.

(iv) The permittee shall monitor D/F emissions in accordance with paragraphs (a) through (e) below.

(a) The permittee shall install, calibrate, maintain, and continuously operate a continuous monitor to record the temperature of the exhaust gases from the kiln, if applicable, at the inlet to, or upstream of, the kiln PM control devices.

(1) The recorder response range must include zero and 1.5 times either of the average temperatures established according to the requirements in §63.1349(b)(3)(iv).

(2) The reference method must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the director.

(b) The permittee shall monitor and continuously record the temperature of the exhaust gases from the kiln, if applicable, at the inlet to the kiln PMCD.

(c) The three-hour rolling average temperature shall be calculated as the average of 180 successive one-minute average temperatures.

(d) Periods of time when one-minute averages are not available shall be ignored when calculating three-hour rolling averages. When one-minute averages become available, the first one-minute average is added to the previous 179 values to calculate the three-hour rolling average.

(e) The calibration of all thermocouples and other temperature sensors shall be verified at least once every three months.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350) (**continued**)

(v) The permittee shall comply with the monitoring requirements of paragraphs (a) through (b) below to demonstrate continuous compliance with the THC emission standard:

(a) The permittee shall install, operate and maintain a THC continuous emission monitoring system in accordance with Performance Specification 8A, of appendix B to part 60 of 40 CFR and comply with all of the requirements for continuous monitoring systems found in the general provisions, subpart A of part 63.

(b) For facilities complying with the 20 ppmv THC emissions limit, any hourly average THC concentration in any gas discharged from the main exhaust of a kiln, exceeding 20 ppmvd, reported as propane, corrected to seven percent oxygen, is a violation of the standard.

(vi) The permittee shall conduct an inspection of the components of the combustion system of the kiln at least once per year [§ 63.1350(i)].

(vii) The permittee shall install, calibrate, maintain, and operate a particulate matter continuous emission monitoring system (PM CEMS) to measure the particulate matter discharged to the atmosphere. All requirements relating to installation, calibration, maintenance, operation or performance of the PM CEMS and implementation of the PM CEMS requirement are deferred pending further rulemaking [§ 63.1350(k)].

(viii) Any kiln using a control device (other then ACI) to comply with a mercury emissions limit or equipment standard will monitor the control device parameters as specified in 40 CFR part 63 subpart SS.

(ix) For kilns complying with the requirements in W.3.b.(2)(iv) of this Section, the permittee must obtain a certification from the supplier for each shipment of fly ash received to demonstrate that the fly ash was not derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control. The certification shall include the name of the supplier and a signed statement from the supplier confirming that the fly ash was not derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of emission control.

(4) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification, as required by §63.9(g), of the date that the continuous emission monitor performance evaluation required by §63.8(e) is scheduled to begin.

(e) Notification of compliance status, as required by §63.9(h).

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(5) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(f) As required by §63.10(e)(2), the permittee shall submit a written report of the results of the performance evaluation for the continuous monitoring system required by §63.8(e). The permittee shall submit the report simultaneously with the results of the performance test.

(g) As required by §63.10(e)(2), the permittee of the source using a continuous opacity monitoring system to determine opacity compliance during any performance test required under §63.7 and described in §63.6(d)(6) shall report the results of the continuous opacity monitoring system performance evaluation conducted under §63.8(e).

(h) As required by §63.10(e)(3), the permittee of the source equipped with a continuous emission monitor shall submit an excess emissions and continuous monitoring system performance report for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.

(i) The permittee shall submit a summary report semiannually which contains the information specified in §63.10(e)(3)(vi). In addition, the summary report shall include [§63.1354(b)(9)(v)]:

(1) All exceedences of maximum control device inlet gas temperature limits specified in W.3.b.(2)(i) and (ii) of this Section;

(2) All failures to calibrate thermocouples and other temperature sensors as required in W.3.f.(3)(iv)(e) of this Section;

(3) The results of any combustion system component inspections conducted within the reporting period as required in W.3.f.(3)(vi) of this Section.

(4) All failures to comply with any provision of the O&M plan developed in accordance with §63.1350(a).

(j) If the total continuous monitoring system downtime for any CEM or any continuous monitoring system (CMS) for the reporting period is ten percent or greater of the total operating time for the reporting period, the permittee shall submit an excess emissions and continuous monitoring system performance report along with the summary report.

(6) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

(iii) In addition to the recordkeeping requirements in paragraph (ii) above, the permittee of the source equipped with a continuous monitoring system shall maintain all records required by §63.10(c).

(iv) The permittee must keep annual records of the amount of CKD which is removed from the kiln system and either disposed of as solid waste or otherwise recycled for a beneficial use outside of the kiln system.

(v) The permittee must keep records of the amount of CKD recycled on an hourly basis.

(vi) The permittee must keep records of all fly ash supplier certifications as required by W.3.f.(3)(ix) of this Section.

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Section V. Specific Operating Conditions (continued)

W. Emission Unit #(s): S2.040 - S2.043 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

g. **Emission unit S2.040** (Kiln): the permittee may divert a small slip-stream (approximately 10% of the total flow) from the kiln preheater (System 07) to the coal mill [System 22(a)], when operating, to reduce the moisture content of the coal prior to fueling the kiln. All the performance and compliance tests required in Section V.W.3.e. and f. shall be conducted at the exhaust stack of System 07 (Kiln System) with 100% flow exiting from the Baghouse (318SK01). The permittee shall not divert any flow to System 22(a) during any performance test required in Section V.W.3.e. and f.

h. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

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Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044, location North 4,387.6589 km, East 305.8928 km, UTM (Zone 11)

System 08(a) – Clinker Cooler System		
S	2.044	Kiln Clinker Cooler 351CC01

1. Air Pollution Equipment

a. Emissions from S2.044, shall be ducted to a control system consisting of a Baghouse (358SK01) with 100% capture and a maximum volume flow rate of 99,534 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	117.0	Velocity (ft/sec):	50.00
Inside Diameter (feet):	8.86	Gas Volume Rate (cu. ft/min):	184,786 acfm
Temperature (°F):	374.0	Gas Volume Rate (cu. ft/min):	99,534 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.044 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.044 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.044 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.044, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (358SK01) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 6.83 pound per hour, nor more than 29.89 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 6.83 pound per hour, nor more than 29.89 tons per 12-month rolling period.

(3) The opacity from S2.044, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.044, which:

(1) Contain particulate matter in excess of 0.050 kg per Mg (0.10 lb per ton) of feed (dry basis) to the kiln (§ 63.1345); and

(2) Exhibit opacity greater than 10 percent (§ 63.1345).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.044, will not exceed 190 tons of material (clinker) per any one-hour period.

(2) Hours

(i) S2.044 may operate a total of 8,760 hours per calendar year.

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Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 08(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (clinker) for S2.044 on a daily basis.

(ii) Monitor the hours of operation for S2.044 on a daily basis.

(iii) Monitor the throughput rate for S2.044 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (358SK01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (358SK01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (358SK01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (358SK01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in X.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (clinker) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in X.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (358SK01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (358SK01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.044 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.X.3. for S2.044 by conducting performance tests on the exhaust stack of the Baghouse (358SK01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (358SK01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (358SK01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.X.3. for S2.044.

(4) Performance tests required under Section V.X.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.X.3. for S2.044, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.044 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.X.3. that are conducted below the maximum allowable throughput, as established in Section V.X.3. for S2.044, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.X.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.X.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.044 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.X.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.X.3.b. by conducting a performance test as specified in paragraphs (a) through (c) below [§ 63.1349(b)(1)].

(a) Method 5 of appendix A to part 60 of 40 CFR shall be used to determine PM emissions. Each performance test shall consist of three separate runs under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). Each run shall be conducted for at least 1 hour, and the minimum sample volume shall be 0.85 dscm (30 dscf). The average of the three runs shall be used to determine compliance. A determination of the PM collected in the impingers ("back half") of the Method 5 particulate sampling train is not required to demonstrate initial compliance with the PM standards of this subpart. However, this shall not preclude the permitting authority from requiring a determination of the "back half" for other purposes.

(b) Suitable methods shall be used to determine the kiln feed rate, except for fuels, for each run.

(c) The emission rate, E, of particulate matter (PM) shall be computed for each run using the following equation:

$$E = (C_s\ Q_{sd}) / P$$

where: E = emission rate of particulate matter, kg/Mg of kiln feed.
Cs= concentration of PM, kg/dscm.
Qsd= volumetric flow rate of effluent gas, dscm/hr.
P = total kiln feed (dry basis), Mg/hr.

(iii) The opacity exhibited during the period of the Method 5 of Appendix A to part 60 of 40 CFR performance tests required by paragraph (ii)(a) above shall be determined as required in paragraph (a) below [§ 63.1349(b)(1)(v)].

(a) Except as provided in paragraph (b) below the opacity exhibited during the period of the Method 5 performance tests required by paragraph (ii)(a) above shall be determined through the use of a continuous opacity monitor (COM). The maximum six-minute average opacity during the three Method 5 test runs shall be determined during each Method 5 test run, and used to demonstrate initial compliance with the opacity limits established in Section V.X.3.b.

(iv) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(v) Performance tests required in X.3.b. of this Section shall be repeated every five (5) years, except that the permittee is not required to repeat the initial performance test of opacity [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.X.3.b.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity at each point where emissions are vented from the clinker cooler in accordance with paragraphs (a) through (b) below [§ 63.1350(d)].

(a) The permittee shall install, calibrate, maintain, and continuously operate a COM located at the outlet of the clinker cooler PM control device to continuously monitor the opacity. The COM shall be installed, maintained, calibrated, and operated as required by subpart A, general provisions of part 63, and according to PS–1 of appendix B to part 60 of 40 CFR.

(b) To remain in compliance, the opacity must be maintained such that the 6-minute average opacity for any 6-minute block period does not exceed 10 percent. If the average opacity for any 6-minute block period exceeds 10 percent, this shall constitute a violation of the standard.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification, as required by §63.9(g), of the date that the continuous emission monitor performance evaluation required by §63.8(e) is scheduled to begin.

(e) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(f) As required by §63.10(e)(2), the permittee shall submit a written report of the results of the performance evaluation for the continuous monitoring system required by §63.8(e). The permittee shall submit the report simultaneously with the results of the performance test.

(g) As required by §63.10(e)(2), the permittee of the source using a continuous opacity monitoring system to determine opacity compliance during any performance test required under §63.7 and described in §63.6(d)(6) shall report the results of the continuous opacity monitoring system performance evaluation conducted under §63.8(e).

(h) As required by §63.10(e)(3), the permittee of the source equipped with a continuous emission monitor shall submit an excess emissions and continuous monitoring system performance report for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.

(i) The permittee shall submit a summary report semiannually which contains the information specified in §63.10(e)(3)(vi). In addition, the summary report shall include [§63.1354(b)(9)(v)]:

(1) All failures to comply with any provision of the operation and maintenance plan developed in accordance with §63.1350(a).

(j) If the total continuous monitoring system downtime for any CEM or any continuous monitoring system (CMS) for the reporting period is ten percent or greater of the total operating time for the reporting period, the permittee shall submit an excess emissions and continuous monitoring system performance report along with the summary report.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

(iii) In addition to the recordkeeping requirements in paragraph (ii) above, the permittee of an source equipped with a continuous monitoring system shall maintain all records required by §63.10(c).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

X. Emission Unit #(s): S2.044 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit #(s): S2.045 – S2.047, location North 4,387.6870 km, East 305.8565 km, UTM (Zone 11)

System 08(b) – Clinker Handling System		
S	2.045	Clinker Breaker 352HC01 transfer to Pan Conveyor 354AC01
S	2.046	Screw Conveyor 358SC01 transfer to Screw Conveyor 358SC02
S	2.047	Screw Conveyor 358SC02 transfer to Pan Conveyor 354AC01

1. Air Pollution Equipment

a. Emissions from S2.045 – S2.047, shall be ducted to a control system consisting of a Baghouse (356FN01) with 100% capture and a maximum volume flow rate of 4,719 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	16.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	4,719 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.045 – S2.047 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.045 – S2.047 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.045 – S2.047 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.045 – S2.047, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (356FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.32 pound per hour, nor more than 1.42 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.32 pound per hour, nor more than 1.42 ton per 12-month rolling period.
(3) The opacity from S2.045 – S2.047 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.045 – S2.047 each, which exhibit:
(1) Opacity in excess of 10 percent (§ 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.045 – S2.047 each, will not exceed 190 tons of material (clinker) per any one-hour period.
(2) Hours
(i) S2.045 – S2.047 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit #(s): S2.045 - S2.047 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 08(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (clinker) for S2.045 – S2.047 on a daily basis.

(ii) Monitor the hours of operation for S2.045 – S2.047 on a daily basis.

(iii) Monitor the throughput rate for S2.045 – S2.047 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (356FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (356FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (356FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (356FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in Y.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (clinker) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in Y.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (356FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (356FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit #(s): S2.045 - S2.047 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.045 – S2.047 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.Y.3. for S2.045 – S2.047 by conducting performance tests on the exhaust stack of the Baghouse (356FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (356FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (356FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.Y.3. for S2.045 – S2.047.

(4) Performance tests required under Section V.Y.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.Y.3. for S2.045 – S2.047 opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.045 – S2.047 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.Y.3. that are conducted below the maximum allowable throughput, as established in Section V.Y.3. for S2.045 – S2.047 shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.Y.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.Y.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit #(s): S2.045 - S2.047 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.045 – S2.047 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Y.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Y.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.Y.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Y. Emission Unit #(s): S2.045 - S2.047 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Z. Emission Unit #(s): S2.048 – S2.050, location North 4,387.7818 km, East 305.8349 km, UTM (Zone 11)

System 08(c) – Clinker Conveyors		
S	2.048	Pan Conveyor 354AC01 transfer to Clinker Silo 431SH01 or Pan Conveyor 354AC02
S	2.049	Pan Conveyor 354AC02 transfer to Clinker Bin 431BN04 or Belt Conveyor 354BC01
S	2.050	Belt Conveyor 354BC01 transfer to Clinker Bin 431BN04 or Stacker Tube 354BI01

1. Air Pollution Equipment

a. Emissions from S2.048 – S2.050, shall be ducted to a control system consisting of a Baghouse (356FN02) with 100% capture and a maximum volume flow rate of 3,609 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	179.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	3,609 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.048 – S2.050 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.048 – S2.050 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.048 – S2.050 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.048 – S2.050, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (356FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.25 pound per hour, nor more than 1.08 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.25 pound per hour, nor more than 1.08 ton per 12-month rolling period.
(3) The opacity from S2.048 – S2.050 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.048 – S2.050 each, which exhibit:
(1) Opacity in excess of 10 percent (§ 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.048 – S2.050 each, will not exceed 190 tons of material (clinker) per any one-hour period.
(2) Hours
(i) S2.048 – S2.050 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Z. Emission Unit #(s): S2.048 - S2.050 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 08(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (clinker) for S2.048 – S2.050 on a daily basis.

(ii) Monitor the hours of operation for S2.048 – S2.050 on a daily basis.

(iii) Monitor the throughput rate for S2.048 – S2.050 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (356FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (356FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (356FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (356FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in Z.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (clinker) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in Z.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (356FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (356FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Z. Emission Unit #(s): S2.048 - S2.050 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.048 – S2.050 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.Z.3. for S2.048 – S2.050 by conducting performance tests on the exhaust stack of the Baghouse (356FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (356FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (356FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.Z.3. for S2.048 – S2.050.

(4) Performance tests required under Section V.Z.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.Z.3. for S2.048 – S2.050 opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.048 – S2.050 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.Z.3. that are conducted below the maximum allowable throughput, as established in Section V.Z.3. for S2.048 – S2.050 shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.Z3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.Z.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Z. Emission Unit #(s): S2.048 - S2.050 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.048 – S2.050 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Z.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.Z.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.Z.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

Z. Emission Unit #(s): S2.048 - S2.050 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AA. Emission Unit #(s): S2.051 - S2.058, location North 4,387.8920 km, East 305.8540 km, UTM (Zone 11)

System 09 – #1 Finish Mill Systems		
S	2.051	Conveyor 504 transfer to #1 Finish Mill 505
S	2.052	#1 Finish Mill 505
S	2.053	Air Slide 506 transfer to Bucket Elevator 507
S	2.054	Bucket Elevator 507 transfer to Air Separator 509
S	2.055	Air Separator 509 transfer to Air Slide 519-1
S	2.056	Air Slide 519-1 to Air Slide 519-2 and transfer to FK Pump 512
S	2.057	Dust Collector 510 transfer to FK Pump 512
S	2.058	14 MMBtu/hr Natural Gas Fired Heater 1909

1. Air Pollution Equipment

a. Emissions from S2.051 - S2.058 each, shall be ducted to a control system consisting of a Baghouse (DC-510) with 100% capture and a maximum volume flow rate of 11,205 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	65.0	Velocity (ft/sec):	96.45
Inside Diameter (feet):	2.0	Gas Volume Rate (cu. ft/min):	18,180 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	11,205 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.051 - S2.058 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.051 - S2.058 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.051 - S2.058 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.051 - S2.058, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-510) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 1.25 pound per hour, nor more than 2.73 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 1.25 pound per hour, nor more than 2.73 tons per 12-month rolling period.
(3) The discharge of NOx (nitrogen oxides) to the atmosphere will not exceed 1.37 pounds per hour, nor more than 3.01 tons per 12-month rolling period.
(4) The discharge of CO (carbon monoxides) to the atmosphere will not exceed 1.15 pounds per hour, nor more than 2.52 tons per 12-month rolling period.
(5) The discharge of SO_2 (sulfur dioxides) to the atmosphere will not exceed 0.01 pound per hour, nor more than 0.02 ton per 12-month rolling period.
(6) The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed 0.08 pounds per hour, nor more than 0.17 ton per 12-month rolling period.
(7) The opacity from S2.051 - S2.058 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.051 – S2.058 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.051 - S2.057 each, will not exceed 33 tons of material (portland cement) per any one-hour period.
(2) The maximum allowable heat input rate for S2.058 will not exceed 14.0 millions Btu (MMBtu) per any one-hour period, combusting a maximum of 13,725.5 cubic feet per hour of pipeline quality natural gas.
(3) Hours
(i) S2.051 - S2.058 each, may operate 24 hours per day.
(ii) S2.051 - S2.058 each, may operate a total of 4,380 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AA. Emission Unit #(s): S2.051 - S2.058 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 09** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.051 - S2.057 on a daily basis.

(ii) Monitor the heat input rate in MMBtu for S2.058 on a daily basis [for the purposes of this permit, the heat content of 1,020 Btu per cubic feet will be used to determine MMBtu].

(iii) Monitor the "pipeline" quality natural gas feed rate in cubic feet for S2.058 on a daily basis.

(iv) Monitor the hours of operation for S2.051 - S2.058 on a daily basis.

(v) Monitor the throughput rate for S2.051 - S2.057 on a cumulative monthly basis, for each 12-month rolling period.

(vi) Monitor the "pipeline" natural gas feed rate for S2.058 on a cumulative monthly basis, for each 12-month rolling period.

(vii) Conduct a weekly observation of the Baghouse (DC-510) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-510**)** is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-510) is done in accordance with the manufacturer's O&M manual.

(viii) Conduct and record a weekly visible emission inspection of the Baghouse (DC-510); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(viii) The required monitoring established in AA.3.d.(1)(i) through (viii) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily heat input rate of "pipeline" quality natural gas in MMBtu, for the corresponding date.

(d) The total daily "pipeline" quality natural gas feed rate in MMscf, for the corresponding date.

(e) The total daily hours of operation for the corresponding date.

(f) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AA.3.d.(1)(ix)(b) & (e) above.

(g) The corresponding average hourly heat input rate of "pipeline" quality natural gas in MMBtu per hour. The average hourly heat input rate of "pipeline" quality natural gas will be determined from the total daily heat input rate of "pipeline" quality natural gas and the total daily hours of operation recorded in AA.3.d.(1)(ix)(c) & (e) above.

(h) The corresponding average hourly "pipeline" quality natural gas feed rate in MMscf per hour. The average hourly "pipeline" quality natural gas feed rate will be determined from the total daily "pipeline" quality natural gas feed rate and the total daily hours of operation recorded in AA.3.d.(1)(ixi(d) & (e) above.

(i) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(j) The cumulative monthly heat input rate of "pipeline" quality natural gas in MMBtu, for each 12-month rolling period.

(k) The cumulative monthly "pipeline" quality natural gas feed rate in MMscf, for each 12-month rolling period.

(l) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-510), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-510) used for control of emissions.

(m) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AA. Emission Unit #(s): S2.051 - S2.058 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.051 - S2.058 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the emission limits established in Section V.AA.3.a. for S2.051 - S2.058 by conducting performance tests on the exhaust stack of the Baghouse (DC-510) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-510) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-510) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AA.3. for S2.051 - S2.058.

(4) Conduct and record Method 7E compliance test for NOx, Method 10 compliance test for CO, Method 6 compliance test for SO_2, and Methods 25 or 25A compliance tests for VOC in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director).

(5) Performance tests required under Section V.AA.3.e. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(6) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(7) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(8) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AA.3.a. for S2.051 - S2.058, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.051 - S2.058 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(9) Performance tests and opacity observations required under Section V.AA.3. that are conducted below the maximum allowable throughput, as established in Section V.AA.3. for S2.051 - S2.058, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(10) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(11) Within 60 days after completing the performance tests and opacity observations contained in Section V.AA.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AA.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AA. Emission Unit #(s): S2.051 - S2.058 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.051 - S2.058 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AA.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AA.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AA.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.051 - S2.058 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.051 - S2.058 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AA. Emission Unit #(s): S2.051 - S2.058 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AB. Emission Unit #(s): S2.059 - S2.065, location North 4,387.8570 km, East 305.8200 km, UTM (Zone 11)

System 10 – #2 Finish Mill Systems		
S	2.059	Drag Chain 2201 transfer to Feed Bins
S	2.060	Feed Bins transfer to #2 Finish Mill 2203-1
S	2.061	#2 Finish Mill 2203-1
S	2.062	Bucket Elevator 2204-1 transfer to Air Slide 2205-1
S	2.063	Air Slide 2205-1 transfer to Air Separator 2206-1
S	2.064	Air Separator 2206-1 transfer to Pump 2212
S	2.065	14 MMBtu/hr Natural Gas Fired Heater 211

1. Air Pollution Equipment

a. Emissions from S2.059 - S2.065 each, shall be ducted to a control system consisting of a Baghouse (DC-2207-1) with 100% capture and a maximum volume flow rate of 30,261 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	65.0	Velocity (ft/sec):	83.47
Inside Diameter (feet):	3.0	Gas Volume Rate (cu. ft/min):	35,400 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	30,261 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.059 - S2.065 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.059 - S2.065 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.059 - S2.065 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.059 - S2.065, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-2207-1) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 2.43 pound per hour, nor more than 5.32 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 2.43 pound per hour, nor more than 5.32 tons per 12-month rolling period.
(3) The discharge of NOx (nitrogen oxides) to the atmosphere will not exceed 1.37 pounds per hour, nor more than 3.01 tons per 12-month rolling period.
(4) The discharge of CO (carbon monoxides) to the atmosphere will not exceed 1.15 pounds per hour, nor more than 2.52 tons per 12-month rolling period.
(5) The discharge of SO_2 (sulfur dioxides) to the atmosphere will not exceed 0.01 pound per hour, nor more than 0.02 ton per 12-month rolling period.
(6) The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed 0.08 pounds per hour, nor more than 0.17 ton per 12-month rolling period.
(7) The opacity from S2.059 - S2.065 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.059 - S2.065 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.059 - S2.064 each, will not exceed 29 tons of material (portland cement) per any one-hour period.
(2) The maximum allowable heat input rate for S2.065 will not exceed 14.0 millions Btu (MMBtu) per any one-hour period, combusting a maximum of 13,725.5 cubic feet per hour of pipeline quality natural gas.
(3) Hours
(i) S2.059 - S2.065 each, may operate 24 hours per day.
(ii) S2.059 - S2.065 each, may operate a total of 4,380 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AB. Emission Unit #(s): S2.059 - S2.065 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 10** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.059 - S2.064 on a daily basis.

(ii) Monitor the heat input rate in MMBtu for S2.065 on a daily basis [for the purposes of this permit, the heat content of 1,020 Btu per cubic feet will be used to determine MMBtu].

(iii) Monitor the "pipeline" quality natural gas feed rate in cubic feet for S2.065 on a daily basis.

(iv) Monitor the hours of operation for S2.059 - S2.065 on a daily basis.

(v) Monitor the throughput rate for S2.059 - S2.064 on a cumulative monthly basis, for each 12-month rolling period.

(vi) Monitor the "pipeline" natural gas feed rate for S2.065 on a cumulative monthly basis, for each 12-month rolling period.

(vii) Conduct a weekly observation of the Baghouse (DC-2207-1) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-2207-1) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-2207-1) is done in accordance with the manufacturer's O&M manual.

(viii) Conduct and record a weekly visible emission inspection of the Baghouse (DC-2207-1); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(ix) The required monitoring established in AB.3.d.(1)(i) through (viii) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily heat input rate of "pipeline" quality natural gas in MMBtu, for the corresponding date.

(d) The total daily "pipeline" quality natural gas feed rate in MMscf, for the corresponding date.

(e) The total daily hours of operation for the corresponding date.

(f) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AB.3.d.(1)(ix)(b) & (e) above.

(g) The corresponding average hourly heat input rate of "pipeline" quality natural gas in MMBtu per hour. The average hourly heat input rate of "pipeline" quality natural gas will be determined from the total daily heat input rate of "pipeline" quality natural gas and the total daily hours of operation recorded in AB.3.d.(1)(ix)(c) & (e) above.

(h) The corresponding average hourly "pipeline" quality natural gas feed rate in MMscf per hour. The average hourly "pipeline" quality natural gas feed rate will be determined from the total daily "pipeline" quality natural gas feed rate and the total daily hours of operation recorded in AB.3.d.(1)(ixi(d) & (e) above.

(i) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(j) The cumulative monthly heat input rate of "pipeline" quality natural gas in MMBtu, for each 12-month rolling period.

(k) The cumulative monthly "pipeline" quality natural gas feed rate in MMscf, for each 12-month rolling period.

(l) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-2207-1), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-2207-1) used for control of emissions.

(m) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AB. Emission Unit #(s): S2.059 - S2.065 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.059 - S2.065 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the emission limits established in Section V.AB.3.a. for S2.059 - S2.065 by conducting performance tests on the exhaust stack of the Baghouse (DC-2207-1) as follows:

(1) All the performance and compliance tests required in Section V.AB.3.e. and f. shall be conducted at the exhaust stack of System 10 (#2 Finish Mill Systems) with 100% flow exiting from the Baghouse (DC-2207-1). The permittee shall not divert any flow to System 11 during any performance test required in Section V.AB.3.e. and f.

(2) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-2207-1) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(3) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-2207-1) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(4) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AB.3. for S2.059 - S2.065.

(5) Conduct and record Method 7E compliance test for NOx, Method 10 compliance test for CO, Method 6 compliance test for SO_2, and Methods 25 or 25A compliance tests for VOC in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director).

(6) Performance tests required under Section V.AB.3.e. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(7) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(8) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(9) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AB.3.a. for S2.059 - S2.065, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.059 - S2.065 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(10) Performance tests and opacity observations required under Section V.AB.3. that are conducted below the maximum allowable throughput, as established in Section V.AB.3. for S2.059 - S2.065, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(11) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(12) Within 60 days after completing the performance tests and opacity observations contained in Section V.AB.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AB.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AB. Emission Unit #(s): S2.059 - S2.065 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.059 - S2.065 will be operated, but no later than 180 days after initial startup of the facility:

(1) All the performance and compliance tests required in Section V.AB.3.e. and f. shall be conducted at the exhaust stack of System 10 (#2 Finish Mill Systems) with 100% flow exiting from the Baghouse (DC-2207-1). The permittee shall not divert any flow to System 11 during any performance test required in Section V.AB.3.e. and f.

(2) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AB.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AB.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(3) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AB.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.059 - S2.065 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.059 - S2.065 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AB. Emission Unit #(s): S2.059 - S2.065 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(5) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(6) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Emission unit S2.065 (14 MMBtu/hr Natural Gas Fired Heater 211) may be used evenly for Systems 10 and 11. All the performance and compliance tests required in Section V.AB.3.e. and f. shall be conducted at the exhaust stack of System 10 (#2 Finish Mill Systems) with 100% flow exiting from the Baghouse (DC-2207-1). The permittee shall not divert any flow to System 11 during any performance test required in Section V.AB.3.e. and f.

h. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AC. Emission Unit #(s): S2.066 - S2.071, location North 4,387.8540 km, East 305.8110 km, UTM (Zone 11)

System 11 – #3 Finish Mill Systems		
S	2.066	Drag Chain 2201 transfer to Feed Bins
S	2.067	Feed Bins transfer to #3 Finish Mill 2203-2
S	2.068	#3 Finish Mill 2203-2
S	2.069	Bucket Elevator 2204-2 transfer to Air Slide 2205-2
S	2.070	Air Slide 2205-2 transfer to Air Separator 2206-2
S	2.071	Air Separator 2206-2 transfer to Pump 2212

1. Air Pollution Equipment

a. Emissions from S2.066 - S2.071 each, shall be ducted to a control system consisting of a Baghouse (DC-2207-2) with 100% capture and a maximum volume flow rate of 30,261 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	65.0	Velocity (ft/sec):	83.47
Inside Diameter (feet):	3.0	Gas Volume Rate (cu. ft/min):	35,400 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	30,261 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.066 - S2.071 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.066 - S2.071 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.066 - S2.071 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.066 - S2.071, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-2207-2) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 2.43 pound per hour, nor more than 5.32 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 2.43 pound per hour, nor more than 5.32 tons per 12-month rolling period.
(3) The opacity from S2.066 - S2.071 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.066 - S2.071 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.066 - S2.071 each, will not exceed 29 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.066 - S2.071 each, may operate 24 hours per day.
(ii) S2.066 - S2.071 each, may operate a total of 4,380 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AC. Emission Unit #(s): S2.066 - S2.071 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 11** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.066 - S2.071 on a daily basis.

(ii) Monitor the hours of operation for S2.066 - S2.071 on a daily basis.

(iii) Monitor the throughput rate for S2.066 - S2.071 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-2207-2) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-2207-2) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-2207-2) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-2207-2); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AC.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AC.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-2207-2), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-2207-2) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AC. Emission Unit #(s): S2.066 - S2.071 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.066 - S2.071 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the emission limits established in Section V.AC.3.a. for S2.066 - S2.071 by conducting performance tests on the exhaust stack of the Baghouse (DC-2207-2) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-2207-2) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-2207-2) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AC.3. for S2.066 - S2.071.

(4) Performance tests required under Section V.AC.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AC.3. for S2.066 - S2.071, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.066 - S2.071 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AC.3. that are conducted below the maximum allowable throughput, as established in Section V.AC.3. for S2.066 - S2.071, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AC.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AC.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AC. Emission Unit #(s): S2.066 - S2.071 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.066 - S2.071 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AC.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AC.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AC.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.066 - S2.071 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.066 - S2.071 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AC. Emission Unit #(s): S2.066 - S2.071 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit #(s): S2.072, location North 4,387.7770 km, East 305.8415 km, UTM (Zone 11)

System 12(a) – #4 Finish Grind Operations		
S	2.072	Weigh Feeder 514WF06 transfer to Pan Conveyor 514AC01

1. Air Pollution Equipment

a. Emissions from S2.072 shall be ducted to a control system consisting of a Baghouse (516FN01) with 100% capture and a maximum volume flow rate of 5,720 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	15.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	5,720 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.072 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.072 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.072 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.072, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (516FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.39 pound per hour, nor more than 1.72 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.39 pound per hour, nor more than 1.72 tons per 12-month rolling period.
(3) The opacity from S2.072 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.072 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.072 will not exceed 220 tons of material (clinker) per any one-hour period.
(2) Hours
(i) S2.072 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit #(s): S2.072 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (clinker) for S2.072 on a daily basis.

(ii) Monitor the hours of operation for S2.072 on a daily basis.

(iii) Monitor the throughput rate for S2.072 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (516FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (516FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (516FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (516FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AD.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (clinker) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AD.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (516FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (516FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit #(s): S2.072 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.072 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AD.3. for S2.072 by conducting performance tests on the exhaust stack of the Baghouse (516FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (516FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (516FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AD.3. for S2.072.

(4) Performance tests required under Section V.AD.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AD.3. for S2.072, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.072 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AD.3. that are conducted below the maximum allowable throughput, as established in Section V.AD.3. for S2.072, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AD.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AD.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit #(s): S2.072 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.072 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AD.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AD.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AD.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AD. Emission Unit #(s): S2.072 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit #(s): S2.073 – S2.074, location North 4,387.7774 km, East 305.8225 km, UTM (Zone 11)

System 12(b) – #4 Finish Grind Operations		
S	2.073	Belt Conveyor 514BC02 transfer to Pan Conveyor 514AC01
S	2.074	Weigh Feeders 514WF04 and 514WF05 transfer to Pan Conveyor 514AC01

1. Air Pollution Equipment

a. Emissions from S2.073 – S2.074 each, shall be ducted to a control system consisting of a Baghouse (516FN02) with 100% capture and a maximum volume flow rate of 3,609 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	15.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	3,609 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.073 – S2.074 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.073 – S2.074 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.073 – S2.074 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.073 – S2.074, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (516FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.25 pound per hour, nor more than 1.08 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.25 pound per hour, nor more than 1.08 tons per 12-month rolling period.
(3) The opacity from S2.073 – S2.074 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.073 – S2.074 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.073 – S2.074 each, will not exceed 220 tons of material [clinker, pozzolan (fly ash) and gypsum] per any one-hour period.
(2) Hours
(i) S2.073 – S2.074 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit #(s): S2.073 – S2.074 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material [clinker, pozzolan (fly ash) and gypsum] for S2.073 – S2.074 on a daily basis.

(ii) Monitor the hours of operation for S2.073 – S2.074 on a daily basis.

(iii) Monitor the throughput rate for S2.073 – S2.074 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (516FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (516FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (516FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (516FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AE.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material [clinker, pozzolan (fly ash) and gypsum] in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AE.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (516FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (516FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit #(s): S2.073 – S2.074 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.073 – S2.074 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AE.3. for S2.073 – S2.074 by conducting performance tests on the exhaust stack of the Baghouse (516FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (516FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (516FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AE.3. for S2.073 – S2.074.

(4) Performance tests required under Section V.AE.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AE.3. for S2.073 – S2.074, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.073 – S2.074 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AE.3. that are conducted below the maximum allowable throughput, as established in Section V.AE.3. for S2.073 – S2.074, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AE.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AE.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit #(s): S2.073 – S2.074 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.073 – S2.074 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AE.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AE.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AE.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, they must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AE. Emission Unit #(s): S2.073 – S2.074 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AF. Emission Unit #(s): S2.075 – S2.080, location North 4,387.7672 km, East 305.8041 km, UTM (Zone 11)

System 12(c) – #4 Finish Grind Operations		
S	2.075	Pan Conveyor 514AC01 transfer to Belt Conveyor 534BC01
S	2.076	Belt Conveyor 534BC01 transfer to Bucket Elevator 534BE01
S	2.077	Static Separator 533SR01 transfer to Feed Bin 532FB01
S	2.078	Feed Bin 532FB01 transfer to Roller Press 532RP01
S	2.079	Roller Press 532RP01 transfer to Belt Conveyor 534BC01
S	2.080	Air Slide 535AS01 transfer to Feed Bin 532FB01

1. Air Pollution Equipment

a. Emissions from S2.075 – S2.080 each, shall be ducted to a control system consisting of a Baghouse (536FN02) with 100% capture and a maximum volume flow rate of 15,043 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	75.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	2.65	Gas Volume Rate (cu. ft/min):	21,000 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	15,043 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.075 – S2.080 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.075 – S2.080 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.075 – S2.080 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.075 – S2.080, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (536FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 1.03 pound per hour, nor more than 4.52 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 1.03 pound per hour, nor more than 4.52 tons per 12-month rolling period.
(3) The opacity from S2.075 – S2.080 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.075 – S2.080 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.075 – S2.080 each, will not exceed 1,680 tons of material [clinker, pozzolan (fly ash) and gypsum] per any one-hour period.
(2) Hours
(i) S2.075 – S2.080 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AF. Emission Unit #(s): S2.075 – S2.080 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material [clinker, pozzolan (fly ash) and gypsum] for S2.075 – S2.080 on a daily basis.

(ii) Monitor the hours of operation for S2.075 – S2.080 on a daily basis.

(iii) Monitor the throughput rate for S2.075 – S2.080 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (536FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (536FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (536FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (536FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AF.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material [clinker, pozzolan (fly ash) and gypsum] in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AF.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (536FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (536FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AF. Emission Unit #(s): S2.075 – S2.080 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.075 – S2.080 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AF.3. for S2.075 – S2.080 by conducting performance tests on the exhaust stack of the Baghouse (536FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (536FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (536FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AF.3. for S2.075 – S2.080.

(4) Performance tests required under Section V.AF.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AF.3. for S2.075 – S2.080, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.075 – S2.080 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AF.3. that are conducted below the maximum allowable throughput, as established in Section V.AF.3. for S2.075 – S2.080, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AF.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AF.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AF. Emission Unit #(s): S2.075 – S2.080 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.075 - S2.080 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AF.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AF.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AF.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.075 - S2.080 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.075 - S2.080 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, they must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AF. Emission Unit #(s): S2.075 – S2.080 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AG. Emission Unit #(s): S2.081 – S2.085, location North 4,387.7514 km, East 305.8001 km, UTM (Zone 11)

System 12(d) – #4 Finish Grind Operations		
S	2.081	Bucket Elevator 534BE01 transfer to Belt Conveyor 534BC02
S	2.082	Belt Conveyor 534BC02 transfer to Static Separator 533SR01
S	2.083	Dynamic Separator 533SR02 transfer to Air Slide 535AS01 or Air Slide 535AS02
S	2.084	Air Slide 535AS02 transfer to Finish Mill #4 541BM01
S	2.085	Air Slide 545AS02 transfer to Dynamic Separator 533SR02

1. Air Pollution Equipment

a. Emissions from S2.081 – S2.085 each, shall be ducted to a control system consisting of a Baghouse (536FN03) with 100% capture and a maximum volume flow rate of 9,026 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	130.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	2.05	Gas Volume Rate (cu. ft/min):	12,600 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	9,026 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.081 – S2.085 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.081 – S2.085 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.081 – S2.085 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.081 – S2.085, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (536FN03) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.62 pound per hour, nor more than 2.71 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.62 pound per hour, nor more than 2.71 tons per 12-month rolling period.

(3) The opacity from S2.081 – S2.085 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.081 – S2.085 any gases which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.081 – S2.085 each, will not exceed 1,680 tons of material [clinker, pozzolan (fly ash) and gypsum] per any one-hour period.

(2) Hours

(i) S2.081 – S2.085 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AG. Emission Unit #(s): S2.081 – S2.085 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(d)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material [clinker, pozzolan (fly ash) and gypsum] for S2.081 – S2.085 on a daily basis.

(ii) Monitor the hours of operation for S2.081 – S2.085 on a daily basis.

(iii) Monitor the throughput rate for S2.081 – S2.085 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (536FN03) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (536FN03) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (536FN03) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (536FN03); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AG.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material [clinker, pozzolan (fly ash) and gypsum] in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AG.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (536FN03), and any corrective actions taken to maintain implementation and proper use of the Baghouse (536FN03) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AG. Emission Unit #(s): S2.081 – S2.085 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.081 – S2.085 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AG.3. for S2.081 – S2.085 by conducting performance tests on the exhaust stack of the Baghouse (536FN03) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (536FN03) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (536FN03) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AG.3. for S2.081 – S2.085.

(4) Performance tests required under Section V.AG.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AG.3. for S2.081 – S2.085, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.081 – S2.085 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AG.3. that are conducted below the maximum allowable throughput, as established in Section V.AG.3. for S2.081 – S2.085, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AG.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AG.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AG. Emission Unit #(s): S2.081 – S2.085 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.081 – S2.085 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AG.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AG.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AG.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.081 – S2.085 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.081 – S2.085 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(iv) If the facility opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, they must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§ 63.1350(p)].

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Section V. Specific Operating Conditions (continued)

AG. Emission Unit #(s): S2.081 – S2.085 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AH. Emission Unit #(s): S2.086, location North 4,387.7646 km, East 305.8089 km, UTM (Zone 11)

System 12(e) – #4 Finish Grind Operations
S 2.086 Classifier System Separator Stack Pulling from Static Separator 533SR01 & Dynamic Separator 533SR02

1. Air Pollution Equipment

a. Emissions from S2.086 shall be ducted to a control system consisting of a Baghouse (538SK01) with 100% capture and a maximum volume flow rate of 82,467 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	190.0	Velocity (ft/sec):	50.00
Inside Diameter (feet):	7.03	Gas Volume Rate (cu. ft/min):	116,553 acfm
Temperature (°F):	176.0	Gas Volume Rate (cu. ft/min):	82,467 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.086 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.086 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.086 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.086, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (538SK01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 5.65 pound per hour, nor more than 24.77 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 5.65 pound per hour, nor more than 24.77 tons per 12-month rolling period.
(3) The opacity from S2.086 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.086 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.086 will not exceed 220 tons of material (cement) per any one-hour period.
(2) Hours
(i) S2.086 may operate a total of 8,760 hours per calendar year.

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Section V. Specific Operating Conditions (continued)

AH. Emission Unit #(s): S2.086 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(e)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.086 on a daily basis.

(ii) Monitor the hours of operation for S2.086 on a daily basis.

(iii) Monitor the throughput rate for S2.086 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (538SK01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (538SK01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (538SK01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (538SK01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AH.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AH.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (538SK01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (538SK01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AH. Emission Unit #(s): S2.086 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.086 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AH.3. for S2.086 by conducting performance tests on the exhaust stack of the Baghouse (538SK01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (538SK01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (538SK01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AH.3. for S2.086.

(4) Performance tests required under Section V.AH.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AH.3. for S2.086, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.086 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AH.3. that are conducted below the maximum allowable throughput, as established in Section V.AH.3. for S2.086, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AH.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AH.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AH. Emission Unit #(s): S2.086 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.086 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AH.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AH.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AH.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.086 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.086 is operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AH. Emission Unit #(s): S2.086 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AI. Emission Unit #(s): S2.087 – S2.091, location North 4,387.7959 km, East 305.8089 km, UTM (Zone 11)

System 12(f) – #4 Finish Grind Operations		
S	2.087	Bucket Elevator 544BE01 transfer to Air Slide 545AS02
S	2.088	Air Slides 535AS03 and 535AS04 transfer to Air Slide 535AS05
S	2.089	Air Slide 535AS05 transfer to Cement Cooler 539CL01 or Air Slide 535AS06
S	2.090	Cement Cooler 539CL01 transfer to Air Slide 535AS06
S	2.091	Air Slide 535AS06 transfer to Air Slide 535AS07

1. Air Pollution Equipment

a. Emissions from S2.087 – S2.091 each, shall be ducted to a control system consisting of a Baghouse (546FN01) with 100% capture and a maximum volume flow rate of 4,871 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	84.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	4,871 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.087 – S2.091 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.087 – S2.091 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.087 – S2.091 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.087 – S2.091, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (546FN01) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.33 pound per hour, nor more than 1.46 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.33 pound per hour, nor more than 1.46 tons per 12-month rolling period.

(3) The opacity from S2.087 – S2.091 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.087 – S2.091 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.087 – S2.091 each, will not exceed 180 tons of material (cement) per any one-hour period.

(2) Hours

(i) S2.087 – S2.091 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AI. Emission Unit #(s): S2.087 – S2.091 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(f)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.087 – S2.091 on a daily basis.

(ii) Monitor the hours of operation for S2.087 – S2.091 on a daily basis.

(iii) Monitor the throughput rate for S2.087 – S2.091 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (546FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (546FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (546FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (546FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AI.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AI.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (546FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (546FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AI. Emission Unit #(s): S2.087 – S2.091 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.087 – S2.091 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AI.3. for S2.087 – S2.091 by conducting performance tests on the exhaust stack of the Baghouse (546FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (546FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (546FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AI.3. for S2.087 – S2.091.

(4) Performance tests required under Section V.AI.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AI.3. for S2.087 – S2.091, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.087 – S2.091 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AI.3. that are conducted below the maximum allowable throughput, as established in Section V.AI.3. for S2.087 – S2.091, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AI.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AI.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AI. Emission Unit #(s): S2.087 – S2.091 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.087 – S2.091 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AI.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AI.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AI.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AI. Emission Unit #(s): S2.087 – S2.091 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AJ. Emission Unit #(s): S2.092 – S2.093, location North 4,387.7702 km, East 305.7830 km, UTM (Zone 11)

System 12(g) – #4 Finish Grind Operations		
S	2.092	Finish Mill #4 541BM01 transfer to Air Slide 545AS01
S	2.093	Air Slide 545AS01 transfer to Bucket Elevator 544BE01

1. Air Pollution Equipment

a. Emissions from S2.092 – S2.093 each, shall be ducted to a control system consisting of a Baghouse (546FN02) with 100% capture and a maximum volume flow rate of 10,172 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	70.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	2.27	Gas Volume Rate (cu. ft/min):	15,398 acfm
Temperature (°F):	203.0	Gas Volume Rate (cu. ft/min):	10,172 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.092 – S2.093 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.092 – S2.093 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.092 – S2.093 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.092 – S2.093, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (546FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.70 pound per hour, nor more than 3.06 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.70 pound per hour, nor more than 3.06 tons per 12-month rolling period.
(3) The opacity from S2.092 – S2.093 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged from the mill sweep or air separator air pollution control devices of S2.092 – S2.093 any gases which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1347).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.092 – S2.093 each, will not exceed 180 tons of material (cement) per any one-hour period.
(2) Hours
(i) S2.092 – S2.093 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AJ. Emission Unit #(s): S2.092 – S2.093 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(g)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.092 – S2.093 on a daily basis.

(ii) Monitor the hours of operation for S2.092 – S2.093 on a daily basis.

(iii) Monitor the throughput rate for S2.092 – S2.093 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (546FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (546FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (546FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (546FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AJ.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AJ.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (546FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (546FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AJ. Emission Unit #(s): S2.092 – S2.093 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.092 – S2.093 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AJ.3. for S2.092 – S2.093 by conducting performance tests on the exhaust stack of the Baghouse (546FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (546FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (546FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AJ.3. for S2.092 – S2.093.

(4) Performance tests required under Section V.AJ.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AJ.3. for S2.092 – S2.093, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.092 – S2.093 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AJ.3. that are conducted below the maximum allowable throughput, as established in Section V.AJ.3. for S2.092 – S2.093, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AJ.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AJ.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AJ. Emission Unit #(s): S2.092 – S2.093 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.092 – S2.093 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AJ.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AJ.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AJ.3.b.; and
(b) Corrective actions to be taken when required by paragraph (iii) below.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§ 63.1350(b)].

(iii) The permitte shall monitor opacity by conducting daily visual emissions observations of the mill sweep and air separator PMCD of S2.092 – S2.093 in accordance with the procedures of Method 22 of Appendix A to part 60 of 40 CFR [§ 63.1350(e)]. The Method 22 test shall be conducted while S2.092 – S2.093 are operating at the representative performance conditions. The duration of the Method 22 test shall be 6 minutes. If visible emissions are observed during any Method 22 visible emissions test, the permittee must:

(a) Initiate, within one-hour, the corrective actions specified in the site specific O&M plan developed in accordance with § 63.1350 paragraphs (a)(1) and (a)(2); and
(b) Within 24 hours of the end of the Method 22 test in which visible emissions were observed, conduct a followup Method 22 test of each stack from which visible emissions were observed during the previous Method 22 test. If visible emissions are observed during the followup Method 22 test from any stack from which visible emissions were observed during the previous Method 22 test, conduct a visual opacity test of each stack from which emissions were observed during the follow up Method 22 test in accordance with Method 9 of appendix A to part 60 of 40 CFR. The duration of the Method 9 test shall be 30 minutes.

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§ 63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).
(b) Notification of performance tests, as required by §§63.7 and 63.9(e).
(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).
(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AJ. Emission Unit #(s): S2.092 – S2.093 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§ 63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§ 63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§ 63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit #(s): S2.094 – S2.098, location North 4,387.8056 km, East 305.7883 km, UTM (Zone 11)

System 12(h) – #4 Finish Grind Operations		
S	2.094	Air Slide 535AS07 transfer to Bucket Elevator 574BE01
S	2.095	Bucket Elevator 574BE01 transfer to Air Slide 575AS01
S	2.096	Air Slide 575AS01 transfer to Air Slide 575AS14
S	2.097	Air Slide 575AS01 transfer to Air Slide 575AS02
S	2.098	Air Slide 575AS02 transfer to Air Slides 575AS03, 575AS04, 575AS06, 575AS07, 575AS09, 575AS10, 575AS12, and 575AS13

1. Air Pollution Equipment

a. Emissions from S2.094 – S2.098 each, shall be ducted to a control system consisting of a Baghouse (576FN01) with 100% capture and a maximum volume flow rate of 4,871 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	109.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.51	Gas Volume Rate (cu. ft/min):	6,800 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	4,871 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.094 – S2.098 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.094 – S2.098 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.094 – S2.098 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.094 – S2.098, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (576FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.33 pound per hour, nor more than 1.46 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.33 pound per hour, nor more than 1.46 tons per 12-month rolling period.
(3) The opacity from S2.094 – S2.098 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.094 – S2.098 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.094 – S2.098 each, will not exceed 200 tons of material (cement) per any one-hour period.
(2) Hours
(i) S2.094 – S2.098 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit #(s): S2.094 – S2.098 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(h)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.094 – S2.098 on a daily basis.

(ii) Monitor the hours of operation for S2.094 – S2.098 on a daily basis.

(iii) Monitor the throughput rate for S2.094 – S2.098 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (576FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (576FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (576FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (576FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AK.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AK.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (576FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (576FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit #(s): S2.094 – S2.098 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.094 – S2.098 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AK.3. for S2.094 – S2.098 by conducting performance tests on the exhaust stack of the Baghouse (576FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (576FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (576FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AK.3. for S2.094 – S2.098.

(4) Performance tests required under Section V.AK.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AK.3. for S2.094 – S2.098, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.094 – S2.098 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AK.3. that are conducted below the maximum allowable throughput, as established in Section V.AK.3. for S2.094 – S2.098, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AK.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AK.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit #(s): S2.094 – S2.098 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.094 – S2.098 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AK.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AK.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AK.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AK. Emission Unit #(s): S2.094 – S2.098 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AL. Emission Unit #(s): S2.099 – S2.101, location North 4,387.7866 km, East 305.7080 km, UTM (Zone 11)

System 12(i) – #4 Finish Grind Operations		
S	2.099	Air Slide 575AS14 transfer to Bucket Elevator 514BE01
S	2.100	Bucket Elevator 514BE01 transfer to Air Slide 575AS15
S	2.101	Air Slide 575AS15 transfer to Air Slides 575AS16, 575AS17, 575AS18, and 575AS19

1. Air Pollution Equipment

a. Emissions from S2.099 – S2.101 each, shall be ducted to a control system consisting of a Baghouse (576FN02) with 100% capture and a maximum volume flow rate of 3,725 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	101.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	3,725 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.099 – S2.101 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.099 – S2.101 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.099 – S2.101 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.099 – S2.101, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (576FN02) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.26 pound per hour, nor more than 1.12 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.26 pound per hour, nor more than 1.12 tons per 12-month rolling period.

(3) The opacity from S2.099 – S2.101 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.099 – S2.101 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.099 – S2.101 each, will not exceed 200 tons of material (cement) per any one-hour period.

(2) Hours

(i) S2.099 – S2.101 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AL. Emission Unit #(s): S2.099 – S2.101 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 12(i)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.099 – S2.101 on a daily basis.

(ii) Monitor the hours of operation for S2.099 – S2.101 on a daily basis.

(iii) Monitor the throughput rate for S2.099 – S2.101 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (576FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (576FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (576FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (576FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AL.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AL.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (576FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (576FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

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Section V. Specific Operating Conditions (continued)

AL. Emission Unit #(s): S2.099 – S2.101 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.099 – S2.101 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AL.3. for S2.099 – S2.101 by conducting performance tests on the exhaust stack of the Baghouse (576FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (576FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (576FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AL.3. for S2.099 – S2.101.

(4) Performance tests required under Section V.AL.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AL.3. for S2.099 – S2.101, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.099 – S2.101 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AL.3. that are conducted below the maximum allowable throughput, as established in Section V.AL.3. for S2.099 – S2.101, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AL.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AL.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

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Section V. Specific Operating Conditions (continued)

AL. Emission Unit #(s): S2.099 – S2.101 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.099 – S2.101 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AL.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AL.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AL.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

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Section V. Specific Operating Conditions (continued)

AL. Emission Unit #(s): S2.099 – S2.101 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AM. Emission Unit #(s): S2.102, location North 4,387.8020 km, East 305.7870 km, UTM (Zone 11)

System 13 – Cement Storage Silo		
S	2.102	Transfer to Storage Silo #7

1. Air Pollution Equipment

a. Emissions from S2.102 shall be ducted to a control system consisting of a Baghouse (DC-601) with 100% capture and a maximum volume flow rate of 2,951 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	119.1	Velocity (ft/sec):	93.37
Inside Diameter (feet):	0.90	Gas Volume Rate (cu. ft/min):	3,564 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	2,951 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.102 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.102 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.102 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.102, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-601) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.07 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.24 pound per hour, nor more than 1.07 tons per 12-month rolling period.
(3) The opacity from S2.102 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.102 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.102 will not exceed 180 tons of material (cement, synthetic gypsum, fly ash) per any one-hour period.
(2) Hours
(i) S2.102 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AM. Emission Unit #(s): S2.102 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 13** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement, synthetic gypsum, fly ash) for S2.102 on a daily basis.

(ii) Monitor the hours of operation for S2.102 on a daily basis.

(iii) Monitor the throughput rate for S2.102 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-601) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-601) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-601) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-601); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AM.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement, synthetic gypsum, fly ash) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AM.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-601), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-601) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AM. Emission Unit #(s): S2.102 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.102 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AM.3. for S2.102 by conducting performance tests on the exhaust stack of the Baghouse (DC-601) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-601) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-601) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AM.3. for S2.102.

(4) Performance tests required under Section V.AM.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AM.3. for S2.102, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.102 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AM.3. that are conducted below the maximum allowable throughput, as established in Section V.AM.3. for S2.102, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AM.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AM.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AM. Emission Unit #(s): S2.102 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.102 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AM.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AM.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AM.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AM. Emission Unit #(s): S2.102 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AN. Emission Unit #(s): S2.103 – S2.110, location North 4,387.8200 km, East 305.7670 km, UTM (Zone 11)

System 14 – Cement Bulk Loading		
S	2.103	Silos 5, 6, 10 & 11 transfers to Air Slides 606-2, 606-3, 606-6 & 606-7
S	2.104	Air Slides 606-2, 606-3, 606-6 & 606-7 transfer to Bucket Elevator 613
S	2.105	Bucket Elevator 613 to Air Slides 609-4, 701-1 & 608-4
S	2.106	Air Slides 701-1 & 627-1 transfer to Loading Spout 627
S	2.107	#1 Finish Mill Pump 512 transfers into Silos 1, 2, 3, 4, 5, 6, 8, 9, 10 & 11
S	2.108	#2 & 3 Finish Mill Pump 2212 transfers through line 2214 into Silos 1, 2, 3, 4, 5, 6, 8, 9, 10 & 11
S	2.109	Silo transfers through line 620, line 620-1, line - Flyash, to North Rail Storage Bin 624
S	2.110	North Rail Bin transfers to Spout 627

1. Air Pollution Equipment

a. Emissions from S2.103 – S2.110 each, shall be ducted to a control system consisting of a Baghouse (DC-618) with 100% capture and a maximum volume flow rate of 10,236 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	111.9	Velocity (ft/sec):	82.78
Inside Diameter (feet):	1.78	Gas Volume Rate (cu. ft/min):	12,360 acfm
Temperature (°F):	125.0	Gas Volume Rate (cu. ft/min):	10,236 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.103 – S2.110 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.103 – S2.110 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.103 – S2.110 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.103 – S2.110, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-618) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.85 pound per hour, nor more than 3.71 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.85 pound per hour, nor more than 3.71 tons per 12-month rolling period.

(3) The opacity from S2.103 – S2.110 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.103 – S2.110 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.103 – S2.110 each, will not exceed 187.9 tons of material (portland cement) per any one-hour period.

(2) Hours

(i) S2.103 – S2.110 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AN. Emission Unit #(s): S2.103 – S2.110 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 14** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.103 – S2.110 on a daily basis.

(ii) Monitor the hours of operation for S2.103 – S2.110 on a daily basis.

(iii) Monitor the throughput rate for S2.103 – S2.110 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-618) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-618) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-618) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-618); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AN.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AN.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-618), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-618) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AN. Emission Unit #(s): S2.103 – S2.110 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.103 – S2.110 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AN.3. for S2.103 – S2.110 by conducting performance tests on the exhaust stack of the Baghouse (DC-618) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-618) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-618) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AN.3. for S2.103 – S2.110.

(4) Performance tests required under Section V.AN.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AN.3. for S2.103 – S2.110, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.103 – S2.110 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AN.3. that are conducted below the maximum allowable throughput, as established in Section V.AN.3. for S2.103 – S2.110, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AN.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AN.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AN. Emission Unit #(s): S2.103 – S2.110 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.103 – S2.110 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AN.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AN.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AN.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AN. Emission Unit #(s): S2.103 – S2.110 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AO. Emission Unit #(s): S2.111 – S2.112, location North 4,387.7950 km, East 305.7000 km, UTM (Zone 11)

System 15(a) – Cement Bulk Loading - 1		
S	2.111	Silo #12 Fill
S	2.112	Silo #13 Fill

1. Air Pollution Equipment

a. Emissions from S2.111 – S2.112 each, shall be ducted to a control system consisting of a Baghouse (DC-646-1) with 100% capture and a maximum volume flow rate of 2,516 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	117.0	Velocity (ft/sec):	72.96
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	3,038 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	2,516 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.111 – S2.112 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.111 – S2.112 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.111 – S2.112 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.111 – S2.112, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-646-1) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(3) The opacity from S2.111 – S2.112 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.111 – S2.112 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.111 – S2.112 each, will not exceed 180 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.111 – S2.112 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AO. Emission Unit #(s): S2.111 – S2.112 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 15(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.111 – S2.112 on a daily basis.

(ii) Monitor the hours of operation for S2.111 – S2.112 on a daily basis.

(iii) Monitor the throughput rate for S2.111 – S2.112 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-646-1) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-646-1) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-646-1) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-646-1); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AO.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AO.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-646-1), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-646-1) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AO. Emission Unit #(s): S2.111 – S2.112 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.111 – S2.112 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AO.3. for S2.111 – S2.112 by conducting performance tests on the exhaust stack of the Baghouse (DC-646-1) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-646-1) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-646-1) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AO.3. for S2.111 – S2.112.

(4) Performance tests required under Section V.AO.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AO.3. for S2.111 – S2.112, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.111 – S2.112 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AO.3. that are conducted below the maximum allowable throughput, as established in Section V.AO.3. for S2.111 – S2.112, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AO.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AO.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AO. Emission Unit #(s): S2.111 – S2.112 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.111 – S2.112 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AO.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AO.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AO.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AO. Emission Unit #(s): S2.111 – S2.112 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AP. Emission Unit #(s): S2.113, location North 4,387.7910 km, East 305.7020 km, UTM (Zone 11)

System 15(b) – Cement Bulk Loading - 4
S 2.113 Silos #12 & 13 to Loading Spouts 672-4 and 672-3

1. Air Pollution Equipment

a. Emissions from S2.113 shall be ducted to a control system consisting of a Baghouse (DC-652) with 100% capture and a maximum volume flow rate of 1,514 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	33.0	Velocity (ft/sec):	41.24
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	1,717 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	1,514 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.113 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.113 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.113 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.113, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-652) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.45 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.45 tons per 12-month rolling period.
(3) The opacity from S2.113 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.113 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.113 will not exceed 187.9 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.113 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AP. Emission Unit #(s): S2.113 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 15(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.113 on a daily basis.

(ii) Monitor the hours of operation for S2.113 on a daily basis.

(iii) Monitor the throughput rate for S2.113 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-652) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-652) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-652) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-652); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AP.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AP.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-652), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-652) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AP. Emission Unit #(s): S2.113 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.113 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AP.3. for S2.113 by conducting performance tests on the exhaust stack of the Baghouse (DC-652) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-652) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-652) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AP.3. for S2.113.

(4) Performance tests required under Section V.AP.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AP.3. for S2.113, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.113 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AP.3. that are conducted below the maximum allowable throughput, as established in Section V.AP.3. for S2.113, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AP.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AP.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AP. Emission Unit #(s): S2.113 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.113 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AP.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AP.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AP.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AP. Emission Unit #(s): S2.113 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AQ. Emission Unit #(s): S2.114, location North 4,387.7910 km, East 305.6880 km, UTM (Zone 11)

System 16(a) – Cement Bulk Loading - 2
S 2.114 Silo #14 Fill

1. Air Pollution Equipment

a. Emissions from S2.114 shall be ducted to a control system consisting of a Baghouse (DC-646-2) with 100% capture and a maximum volume flow rate of 2,515 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	117.0	Velocity (ft/sec):	72.96
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	3,038 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	2,515 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.114 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.114 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.114 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.114, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-646-2) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(3) The opacity from S2.114 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.114 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.114 will not exceed 180 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.114 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AQ. Emission Unit #(s): S2.114 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 16(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.114 on a daily basis.

(ii) Monitor the hours of operation for S2.114 on a daily basis.

(iii) Monitor the throughput rate for S2.114 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-646-2) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-646-2) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-646-2) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-646-2); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AQ.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AQ.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-646-2), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-646-2) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AQ. Emission Unit #(s): S2.114 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.114 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AQ.3. for S2.114 by conducting performance tests on the exhaust stack of the Baghouse (DC-646-2) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-646-2) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-646-2) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AQ.3. for S2.114.

(4) Performance tests required under Section V.AQ.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AQ.3. for S2.114, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.114 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AQ.3. that are conducted below the maximum allowable throughput, as established in Section V.AQ.3. for S2.114, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AQ.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AQ.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AQ. Emission Unit #(s): S2.114 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.114 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AQ.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AQ.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AQ.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AQ. Emission Unit #(s): S2.114 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AR. Emission Unit #(s): S2.115, location North 4,387.7820 km, East 305.6920 km, UTM (Zone 11)

System 16(b) – Cement Bulk Loading - 3
S 2.115 Silo #15 Fill

1. Air Pollution Equipment

a. Emissions from S2.115 shall be ducted to a control system consisting of a Baghouse (DC-646-3) with 100% capture and a maximum volume flow rate of 2,515 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	117.0	Velocity (ft/sec):	72.96
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	3,038 acfm
Temperature (°F):	180.0	Gas Volume Rate (cu. ft/min):	2,515 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.115 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.115 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.115 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.115, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-646-3) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.21 pound per hour, nor more than 0.91 tons per 12-month rolling period.
(3) The opacity from S2.115 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.115 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.115 will not exceed 180 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.115 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AR. Emission Unit #(s): S2.115 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 16(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.115 on a daily basis.

(ii) Monitor the hours of operation for S2.115 on a daily basis.

(iii) Monitor the throughput rate for S2.115 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-646-3) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-646-3) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-646-3) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-646-3); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AR.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AR.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-646-3), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-646-3) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AR. Emission Unit #(s): S2.115 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.115 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AR.3. for S2.115 by conducting performance tests on the exhaust stack of the Baghouse (DC-646-3) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-646-3) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-646-3) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AR.3. for S2.115.

(4) Performance tests required under Section V.AR.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AR.3. for S2.115, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.115 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AR.3. that are conducted below the maximum allowable throughput, as established in Section V.AR.3. for S2.115, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AR.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AR.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AR. Emission Unit #(s): S2.115 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.115 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AR.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AR.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AR.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AR. Emission Unit #(s): S2.115 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AS. Emission Unit #(s): S2.116, location North 4,387.7870 km, East 305.6900 km, UTM (Zone 11)

System 16(c) – Cement Bulk Loading - 5
S 2.116 Silos #14 & 15 to Loading Spouts 672-1 and 672-2

1. Air Pollution Equipment

a. Emissions from S2.116 shall be ducted to a control system consisting of a Baghouse (DC-653) with 100% capture and a maximum volume flow rate of 1,514 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	33.0	Velocity (ft/sec):	41.24
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	1,717 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	1,514 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.116 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.116 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.116 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.116, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-653) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.45 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.45 tons per 12-month rolling period.
(3) The opacity from S2.116 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.116 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.116 will not exceed 187.9 tons of material (portland cement) per any one-hour period.
(2) Hours
(i) S2.116 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AS. Emission Unit #(s): S2.116 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 16(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.116 on a daily basis.

(ii) Monitor the hours of operation for S2.116 on a daily basis.

(iii) Monitor the throughput rate for S2.116 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-653) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-653) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-653) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-653); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AS.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AS.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-653), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-653) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AS. Emission Unit #(s): S2.116 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.116 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AS.3. for S2.116 by conducting performance tests on the exhaust stack of the Baghouse (DC-653) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-653) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-653) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AS.3. for S2.116.

(4) Performance tests required under Section V.AS.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AS.3. for S2.116, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.116 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AS.3. that are conducted below the maximum allowable throughput, as established in Section V.AS.3. for S2.116, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AS.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AS.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AS. Emission Unit #(s): S2.116 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.116 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AS.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AS.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AS.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AS. Emission Unit #(s): S2.116 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AT. Emission Unit #(s): S2.117 – S2.118, location North 4,387.8067 km, East 305.7025 km, UTM (Zone 11)

System 17(a) – Silo 16 Fill		
S	2.117	Air Slide 575AS20 transfer to Silo 16
S	2.118	Silo 16

1. Air Pollution Equipment

a. Emissions from S2.117 – S2.118 each, shall be ducted to a control system consisting of a Baghouse (574FN01) with 100% capture and a maximum volume flow rate of 2,149 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	104.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.00	Gas Volume Rate (cu. ft/min):	3,000 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	2,149 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.117 – S2.118 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.117 – S2.118 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.117 – S2.118 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.117 – S2.118, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (574FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 tons per 12-month rolling period.
(3) The opacity from S2.117 – S2.118 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.117 – S2.118 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.117 – S2.118 each, will not exceed 220 tons of material (cement) per any one-hour period.
(2) Hours
(i) S2.117 – S2.118 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AT. Emission Unit #(s): S2.117 – S2.118 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 17(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.117 – S2.118 on a daily basis.

(ii) Monitor the hours of operation for S2.117 – S2.118 on a daily basis.

(iii) Monitor the throughput rate for S2.117 – S2.118 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (574FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (574FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (574FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (574FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AT.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AT.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (574FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (574FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AT. Emission Unit #(s): S2.117 – S2.118 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.117 – S2.118 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AT.3. for S2.117 – S2.118 by conducting performance tests on the exhaust stack of the Baghouse (574FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (574FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (574FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AT.3. for S2.117 – S2.118.

(4) Performance tests required under Section V.AT.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AT.3. for S2.117 – S2.118, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.117 – S2.118 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AT.3. that are conducted below the maximum allowable throughput, as established in Section V.AT.3. for S2.117 – S2.118, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AT.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AT.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AT. Emission Unit #(s): S2.117 – S2.118 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.117 – S2.118 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AT.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AT.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AT.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AT. Emission Unit #(s): S2.117 – S2.118 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AU. Emission Unit #(s): S2.119, location North 4,387.8067 km, East 305.7025 km, UTM (Zone 11)

System 17(b) – Silo 16 Loadout Spout
S 2.119 Silo 16 Loadout

1. Air Pollution Equipment

a. Emissions from S2.119 shall be ducted to a control system consisting of a Baghouse (574FN02) with 100% capture and a maximum volume flow rate of 1,433 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	30.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	0.82	Gas Volume Rate (cu. ft/min):	2,000 acfm
Temperature (°F):	160.00	Gas Volume Rate (cu. ft/min):	1,433 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.119 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.119 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.119 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.119, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (574FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.43 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.10 pound per hour, nor more than 0.43 tons per 12-month rolling period.
(3) The opacity from S2.119 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.119 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.119 will not exceed 220 tons of material (cement) per any one-hour period.
(2) Hours
(i) S2.119 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AU. Emission Unit #(s): S2.119 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 17(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (cement) for S2.119 on a daily basis.

(ii) Monitor the hours of operation for S2.119 on a daily basis.

(iii) Monitor the throughput rate for S2.119 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (574FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (574FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (574FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (574FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AU.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AU.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (574FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (574FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AU. Emission Unit #(s): S2.119 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.119 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AU.3. for S2.119 by conducting performance tests on the exhaust stack of the Baghouse (574FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (574FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (574FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AU.3. for S2.119.

(4) Performance tests required under Section V.AU.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AU.3. for S2.119, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.119 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AU.3. that are conducted below the maximum allowable throughput, as established in Section V.AU.3. for S2.119, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AU.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AU.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AU. Emission Unit #(s): S2.119 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.119 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AU.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AU.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AU.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AU. Emission Unit #(s): S2.119 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AV. Emission Unit #(s): S2.120 – S2.122, location North 4,387.8080 km, East 305.7410 km, UTM (Zone 11)

System 18 – Packhouse		
S	2.120	Packer Storage Bin transfer to Bucket Elevator 704
S	2.121	Bucket Elevator 704 to Air Slides 705-1 & 706-1
S	2.122	Air Slide 705-1 transfer to Packer 707 and Air Slides 706-1 & 706-2

1. Air Pollution Equipment

a. Emissions from S2.120 – S2.122 each, shall be ducted to a control system consisting of a Baghouse (DC-710) with 100% capture and a maximum volume flow rate of 3,527 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	48.9	Velocity (ft/sec):	96.06
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	4,000 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	3,527 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.120 – S2.122 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.120 – S2.122 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.120 – S2.122 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.120 – S2.122, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-710) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.34 pound per hour, nor more than 1.50 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.34 pound per hour, nor more than 1.50 tons per 12-month rolling period.

(3) The opacity from S2.120 – S2.122 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.120 – S2.122 each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.120 – S2.122 each, will not exceed 60 tons of material (portland cement) per any one-hour period.

(2) Hours

(i) S2.120 – S2.122 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AV. Emission Unit #(s): S2.120 – S2.122 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 18** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement) for S2.120 – S2.122 on a daily basis.

(ii) Monitor the hours of operation for S2.120 – S2.122 on a daily basis.

(iii) Monitor the throughput rate for S2.120 – S2.122 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-710) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-710) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-710) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-710); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AV.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AV.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-710), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-710) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AV. Emission Unit #(s): S2.120 – S2.122 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.120 – S2.122 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AV.3. for S2.120 – S2.122 by conducting performance tests on the exhaust stack of the Baghouse (DC-710) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-710) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-710) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AV.3. for S2.120 – S2.122.

(4) Performance tests required under Section V.AV.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AV.3. for S2.120 – S2.122, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.120 – S2.122 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AV.3. that are conducted below the maximum allowable throughput, as established in Section V.AV.3. for S2.120 – S2.122, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AV.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AV.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AV. Emission Unit #(s): S2.120 – S2.122 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.120 – S2.122 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AV.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AV.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AV.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AV. Emission Unit #(s): S2.120 – S2.122 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AW. Emission Unit #(s): S2.123, location North 4,387.8210 km, East 305.7400 km, UTM (Zone 11)

System 19(a) – Rail Unloading/Transfer		
S	2.123	Rail Hopper 634-6 transfer to Air Slide 634-7 and to Transfer System 634-8

1. Air Pollution Equipment

a. Emissions from S2.123 shall be ducted to a control system consisting of a Baghouse (DC-634-9) with 100% capture and a maximum volume flow rate of 882 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	20.0	Velocity (ft/sec):	84.88
Inside Diameter (feet):	0.50	Gas Volume Rate (cu. ft/min):	1,000 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	882 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.123 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.123 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.123 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.123, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-634-9) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.07 pound per hour, nor more than 0.30 tons per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.07 pound per hour, nor more than 0.30 tons per 12-month rolling period.

(3) The opacity from S2.123 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from S2.123 which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.123 will not exceed 100 tons of material (portland cement, fly ash) per any one-hour period.

(2) Hours

(i) S2.123 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AW. Emission Unit #(s): S2.123 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 19(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement, fly ash) for S2.123 on a daily basis.

(ii) Monitor the hours of operation for S2.123 on a daily basis.

(iii) Monitor the throughput rate for S2.123 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-634-9) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-634-9) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-634-9) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-634-9); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AW.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement, fly ash) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AW.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-634-9), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-634-9) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AW. Emission Unit #(s): S2.123 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.123 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AW.3. for S2.123 by conducting performance tests on the exhaust stack of the Baghouse (DC-634-9) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-634-9) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-634-9) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AW.3. for S2.123.

(4) Performance tests required under Section V.AW.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AW.3. for S2.123, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.123 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AW.3. that are conducted below the maximum allowable throughput, as established in Section V.AW.3. for S2.123, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AW.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AW.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AW. Emission Unit #(s): S2.123 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.123 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AW.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AW.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AW.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AW. Emission Unit #(s): S2.123 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AX. Emission Unit #(s): S2.124 – S2.125, location North 4,387.8210 km, East 305.7400 km, UTM (Zone 11)

System 19(b) – Rail Unloading/Transfer		
S	2.124	Rail Transfer 634-8 to South Storage Bin 625
S	2.125	Silo #7 Transfer to South Storage Bin 625

1. Air Pollution Equipment

a. Emissions from S2.124 – S2.125 each, shall be ducted to a control system consisting of a Baghouse (DC-611) with 100% capture and a maximum volume flow rate of 1,764 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	60.0	Velocity (ft/sec):	48.03
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	2,000 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	1,764 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.124 – S2.125 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.124 – S2.125 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.124 – S2.125 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.124 – S2.125, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-611) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.14 pound per hour, nor more than 0.60 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.14 pound per hour, nor more than 0.60 tons per 12-month rolling period.
(3) The opacity from S2.124 – S2.125 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.124 – S2.125 each, which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.124 – S2.125 each, will not exceed 100 tons of material (portland cement, fly ash) per any one-hour period.
(2) Hours
(i) S2.124 – S2.125 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AX. Emission Unit #(s): S2.124 – S2.125 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 19(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement, fly ash) for S2.124 – S2.125 on a daily basis.

(ii) Monitor the hours of operation for S2.124 – S2.125 on a daily basis.

(iii) Monitor the throughput rate for S2.124 – S2.125 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-611) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-611) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-611) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-611); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AX.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement, fly ash) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AX.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-611), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-611) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AX. Emission Unit #(s): S2.124 – S2.125 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.124 – S2.125 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AX.3. for S2.124 – S2.125 by conducting performance tests on the exhaust stack of the Baghouse (DC-611) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-611) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-611) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AX.3. for S2.124 – S2.125.

(4) Performance tests required under Section V.AX.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AX.3. for S2.124 – S2.125, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.124 – S2.125 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AX.3. that are conducted below the maximum allowable throughput, as established in Section V.AX.3. for S2.124 – S2.125, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AX.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AX.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AX. Emission Unit #(s): S2.124 – S2.125 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.124 – S2.125 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AX.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AX.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AX.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

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Section V. Specific Operating Conditions (continued)

AX. Emission Unit #(s): S2.124 – S2.125 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AY. Emission Unit #(s): S2.126, location North 4,387.8120 km, East 305.7610 km, UTM (Zone 11)

System 20 – Fly Ash Bulk Loading		
S	2.126	South Storage Bin 625 transfer to Air Slide 609-4 and to Loading Spout 610

1. Air Pollution Equipment

a. Emissions from S2.126 shall be ducted to a control system consisting of a Baghouse (DC-612) with 100% capture and a maximum volume flow rate of 2,645 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	50.0	Velocity (ft/sec):	72.05
Inside Diameter (feet):	0.94	Gas Volume Rate (cu. ft/min):	3,000 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	2,645 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.126 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.126 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.126 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.126, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-612) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.26 pound per hour, nor more than 1.13 tons per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.26 pound per hour, nor more than 1.13 tons per 12-month rolling period.
(3) The opacity from S2.126 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.126 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.126 will not exceed 100 tons of material (portland cement, fly ash) per any one-hour period.
(2) Hours
(i) S2.126 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AY. Emission Unit #(s): S2.126 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 20** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (portland cement, fly ash) for S2.126 on a daily basis.

(ii) Monitor the hours of operation for S2.126 on a daily basis.

(iii) Monitor the throughput rate for S2.126 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-612) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-612) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-612) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-612); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in AY.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (portland cement, fly ash) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AY.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-612), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-612) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AY. Emission Unit #(s): S2.126 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.126 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.AY.3. for S2.126 by conducting performance tests on the exhaust stack of the Baghouse (DC-612) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-612) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-612) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.AY.3. for S2.126.

(4) Performance tests required under Section V.AY.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.AY.3. for S2.126, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.126 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.AY.3. that are conducted below the maximum allowable throughput, as established in Section V.AY.3. for S2.126, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.AY.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.AY.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AY. Emission Unit #(s): S2.126 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.126 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AY.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.AY.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.AY.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AY. Emission Unit #(s): S2.126 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AZ. Emission Unit #(s): PF1.026, location North 4,387.8787 km, East 305.7225 km, UTM (Zone 11)

System 21(a) - Coal/Coke Handling (Rail Unloading)		
PF	1.026	Railcar Unloading to Conveyor 111

1. Air Pollution Equipment

a. Emissions from PF1.026 shall be controlled by coal/coke moisture content which must be equal to or greater than **4%** by weight at all times.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.026 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.026 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.026 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.026, the permittee will not discharge or cause the discharge into the atmosphere from PF1.026, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere from PF1.026 will not exceed 0.07 pound per hour, nor more than 0.32 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.026 will not exceed 0.03 pound per hour, nor more than 0.15 ton per 12-month rolling period.
(3) The opacity from PF1.026 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **PF1.026** which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.026 will not exceed 200 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) PF1.026 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

AZ. Emission Unit #(s): PF1.026 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for PF1.026 on a daily basis.

(ii) Monitor the hours of operation for PF1.026 on a daily basis.

(iii) Monitor the start and end time(s) of each trainload unit shipment unloading at PF1.026.

(iv) Monitor the throughput rate for PF1.026 on a cumulative monthly basis, for each 12-month rolling period.

(v) Monitor and record the coal/coke moisture content of each trainload unit shipment at PF1.026 while unloading. This will be a representative sample taken initially when the coal/coke unloading is started.

(a) If the coal/coke moisture content is greater than 8.9% by weight, the coal/coke moisture content will be sampled each consecutive 168.0 hour period while unloading at PF1.026. If complete unloading of the trainload unit shipment takes longer than 168 hours, a new sample of coal/coke moisture content (greater than 8.9% by weight) will be taken for each consecutive 168-hour period.

(b) If the coal/coke moisture content is greater than 5.1% or less than or equal to 8.9% by weight, the coal/coke moisture content will be monitored and recorded each consecutive 72.0 hour period while unloading at PF1.026. Additional sampling will not occur back-to-back. There must be at least an 8-hour separation between samples.

(c) If the coal/coke moisture content is equal to 4.0% or less than or equal to 5.1% by weight, the coal/coke moisture content will be monitored and recorded each consecutive 24.0 hour period while unloading at PF1.026. Additional sampling will not occur back-to-back. There must be at least an 8-hour separation between samples. If the measured coal/coke moisture content is less than 4.0% by weight, a violation of Section V.AZ.1.a. and V.AZ.3.a.(1) & (2) will be considered to have occurred and Section III.B.4. & 5. must be immediately implemented. Any corrective action taken will be recorded in a contemporaneous log.

(vi) Conduct and record a weekly visible emission inspection on PF1.026; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vii) The required monitoring established in AZ.3.d.(1)(i) through (vi) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in AZ.3.d.(1)(vii)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The start and end time(s) of each trainload unit shipment unloading at PF1.026.

(g) The time and results of the coal/coke moisture samples.

(h) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.AZ.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.AZ.3., Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.AZ.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BA. Emission Unit #(s): PF1.027 - PF1.029, location North 4,387.8860 km, East 305.7409 km, UTM (Zone 11)

System 21(b) - Coal/Coke Handling (Covered Conveyors)		
PF	1.027	Conveyor 111 transfer to Conveyor 111-1 or 2302
PF	1.028	Conveyor 2302 transfer to Conveyor 2302-1
PF	1.029	Conveyor 2302-1 transfer to Conveyor 2302-2

1. Air Pollution Equipment

a. Emissions from PF1.027 – PF1.029 each, shall be controlled by coal/coke moisture content which must be equal to or greater than **4%** by weight at all times.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.027 – PF1.029 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.027 – PF1.029 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.027 – PF1.029 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.027 – PF1.029, the permittee will not discharge or cause the discharge into the atmosphere from PF1.027 – PF1.029, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere from PF1.027 will not exceed 0.07 pound per hour, nor more than 0.32 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.027 will not exceed 0.03 pound per hour, nor more than 0.15 ton per 12-month rolling period.
(3) The discharge of PM (particulate matter) to the atmosphere from PF1.028 will not exceed 0.07 pound per hour, nor more than 0.32 ton per 12-month rolling period.
(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.028 will not exceed 0.03 pound per hour, nor more than 0.15 ton per 12-month rolling period.
(5) The discharge of PM (particulate matter) to the atmosphere from PF1.029 will not exceed 0.07 pound per hour, nor more than 0.32 ton per 12-month rolling period.
(6) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.029 will not exceed 0.03 pound per hour, nor more than 0.15 ton per 12-month rolling period.
(7) The opacity from PF1.027 – PF1.029 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **PF1.027 – PF1.029** each, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.027 – PF1.029 each, will not exceed 200 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) PF1.027 – PF1.029 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BA. Emission Unit #(s): PF1.027 - PF1.029 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for PF1.027 – PF1.029 on a daily basis.

(ii) Monitor the hours of operation for PF1.027 – PF1.029 on a daily basis.

(iii) Monitor the throughput rate for PF1.027 – PF1.029 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Monitor and record the coal/coke moisture content of each trainload unit shipment at PF1.026 while unloading as identified in Section V.AZ.3.d.(v). If the measured coal/coke moisture content at PF1.026 is less than 4.0% by weight, a violation of Section V.BA.1.a. and V.BA.3.a.(1) & (2) will be considered to have occurred and Section III.B.4. & 5. must be immediately implemented. Any corrective action taken will be recorded in a contemporaneous log.

(v) Conduct and record a weekly visible emission inspection on PF1.027 – PF1.029; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BA.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BA.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.BA.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.BA.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.BA.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BB. Emission Unit #(s): PF1.030 - PF1.031, location North 4,387.8165 km, East 305.8104 km, UTM (Zone 11)

System 21(c) - Coal/Coke Handling (Coal/Coke Storage Building)		
PF	1.030	Conveyor 2302-2 transfer to Belt Tripper 2303
PF	1.031	Belt Tripper 2303 transfer to Coal Storage

1. Air Pollution Equipment

a. Emissions from PF1.030 – PF1.031 each, shall be controlled by coal/coke storage building enclosure and coal/coke moisture content which must be equal to or greater than **4%** by weight at all times.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.030 – PF1.031 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.030 – PF1.031 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.030 – PF1.031 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.030 – PF1.031, the permittee will not discharge or cause the discharge into the atmosphere from PF1.030 – PF1.031, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere from PF1.030 will not exceed 0.036 pound per hour, nor more than 0.16 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.030 will not exceed 0.017 pound per hour, nor more than 0.075 ton per 12-month rolling period.
(3) The discharge of PM (particulate matter) to the atmosphere from PF1.031 will not exceed 0.036 pound per hour, nor more than 0.16 ton per 12-month rolling period.
(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.031 will not exceed 0.017 pound per hour, nor more than 0.075 ton per 12-month rolling period.
(5) The opacity from PF1.030 – PF1.031 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **PF1.030 – PF1.031** each, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.030 – PF1.031 each, will not exceed 200 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) PF1.030 – PF1.031 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BB. Emission Unit #(s): PF1.030 - PF1.031 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for PF1.030 – PF1.031 on a daily basis.

(ii) Monitor the hours of operation for PF1.030 – PF1.031 on a daily basis.

(iii) Monitor the throughput rate for PF1.030 – PF1.031 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Monitor and record the coal/coke moisture content of each trainload unit shipment at PF1.026 while unloading as identified in Section V.AZ.3.d.(v). If the measured coal/coke moisture content at PF1.026 is less than 4.0% by weight, a violation of Section V.BB.1.a. and V.BB.3.a.(1) & (2) will be considered to have occurred and Section III.B.4. & 5. must be immediately implemented. Any corrective action taken will be recorded in a contemporaneous log.

(v) Conduct and record a weekly visible emission inspection on PF1.027 – PF1.029; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BB.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BB.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.BB.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.BB.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.BB.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BC. Emission Unit #(s): PF1.032 - PF1.033, location North 4,387.8165 km, East 305.8104 km, UTM (Zone 11)

System 21(d) - Coal/Coke Handling (Coal/Coke Storage Building)		
PF	1.032	Coal Storage transfer to Feeders 2305-1, 2305-2, 2305-3, & 2305-5
PF	1.033	Feeders 2305-1, 2305-2, 2305-3, & 2305-5 transfer to Conveyor 714BC02

1. Air Pollution Equipment

a. Emissions from PF1.032 – PF1.033 each, shall be controlled by coal/coke storage building enclosure and coal/coke moisture content which must be equal to or greater than **4%** by weight at all times.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of PF1.032 – PF1.033 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of PF1.032 – PF1.033 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of PF1.032 – PF1.033 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of PF1.032 – PF1.033, the permittee will not discharge or cause the discharge into the atmosphere from PF1.032 – PF1.033, the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere from PF1.032 will not exceed 0.004 pound per hour, nor more than 0.016 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.032 will not exceed 0.002 pound per hour, nor more than 0.0075 ton per 12-month rolling period.
(3) The discharge of PM (particulate matter) to the atmosphere from PF1.033 will not exceed 0.004 pound per hour, nor more than 0.016 ton per 12-month rolling period.
(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.033 will not exceed 0.002 pound per hour, nor more than 0.0075 ton per 12-month rolling period.
(5) The opacity from PF1.032 – PF1.033 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **PF1.032 – PF1.033** each, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for PF1.032 – PF1.033 each, will not exceed 20 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) PF1.032 – PF1.033 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BC. Emission Unit #(s): PF1.032 - PF1.033 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(d)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for PF1.032 – PF1.033 on a daily basis.

(ii) Monitor the hours of operation for PF1.032 – PF1.033 on a daily basis.

(iii) Monitor the throughput rate for PF1.032 – PF1.033 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.032 – PF1.033; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) Monitor and record the coal/coke moisture content at PF1.032 each calendar week when the coal/coke is being transferred. Weekly sampling will not occur back-to-back. There must be at least an 8-hour separation between samples. If the measured coal/coke moisture content is less than 4.0% by weight, a violation of Section V.BC.1.a. and V.BC.3.a.(1) & (2) will be considered to have occurred and Section III.B.4. & 5. must be immediately implemented. Any corrective action taken will be recorded in a contemporaneous log.

(vi) The required monitoring established in BC.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BC.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

e. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.BC.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.BC.3. , Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.BC.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BD. Emission Unit #(s): S2.127, location North 4,387.6425 km, East 305.8738 km, UTM (Zone 11)

System 21(e) – Coal/Coke Handling		
S	2.127	Conveyor 714BC02 transfer to Conveyor 714BC03 or Metal Rejects Bin

1. Air Pollution Equipment

a. Emissions from S2.127 shall be ducted to a control system consisting of a Baghouse (716FN01) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	125.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.127 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.127 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.127 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.127, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (716FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.127 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.127**, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.127 will not exceed 150 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.127 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BD. Emission Unit #(s): S2.127 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(e)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.127 on a daily basis.

(ii) Monitor the hours of operation for S2.127 on a daily basis.

(iii) Monitor the throughput rate for S2.127 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (716FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (716FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (716FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (716FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BD.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BD.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (716FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (716FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BD. Emission Unit #(s): S2.127 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.127 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BD.3. for S2.127 by conducting performance tests on the exhaust stack of the Baghouse (716FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (716FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (716FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BD.3. for S2.127.

(4) Performance tests required under Section V.BD.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BD.3. for S2.127, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.127 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BD.3. that are conducted below the maximum allowable throughput, as established in Section V.BD.3. for S2.127, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BD.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BD.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BE. Emission Unit #(s): S2.128, location North 4,387.6686 km, East 305.9463 km, UTM (Zone 11)

System 21(f) – Coal/Coke Handling		
S	2.128	Conveyor 714BC03 transfer to Coal Storage Bin 711FB01 and Coke Storage Bin 711FB02

1. Air Pollution Equipment

a. Emissions from S2.128 shall be ducted to a control system consisting of a Baghouse (716FN02) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	81.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.128 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.128 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.128 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.128, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (716FN02) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.128 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.128**, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.128 will not exceed 150 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.128 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BE. Emission Unit #(s): S2.128 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(f)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.128 on a daily basis.

(ii) Monitor the hours of operation for S2.128 on a daily basis.

(iii) Monitor the throughput rate for S2.128 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (716FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (716FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (716FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (716FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BE.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BE.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (716FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (716FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BE. Emission Unit #(s): S2.128 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.128 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BE.3. for S2.128 by conducting performance tests on the exhaust stack of the Baghouse (716FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (716FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (716FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BE.3. for S2.128.

(4) Performance tests required under Section V.BE.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BE.3. for S2.128, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.128 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BE.3. that are conducted below the maximum allowable throughput, as established in Section V.BE.3. for S2.128, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BE.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BE.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BF. Emission Unit #(s): S2.129, location North 4,387.6679 km, East 305.9437 km, UTM (Zone 11)

System 21(g) – Coal/Coke Handling		
S	2.129	Coal Storage Bin 711FB01

1. Air Pollution Equipment

a. Emissions from S2.129 shall be ducted to a control system consisting of a Baghouse (716FN03) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	81.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.129 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.129 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.129 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.129, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (716FN03) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.129 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.129**, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.129 will not exceed 23 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.129 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BF. Emission Unit #(s): S2.129 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(g)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.129 on a daily basis.

(ii) Monitor the hours of operation for S2.129 on a daily basis.

(iii) Monitor the throughput rate for S2.129 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (716FN03) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (716FN03) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (716FN03) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (716FN03); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BF.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BF.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (716FN03), and any corrective actions taken to maintain implementation and proper use of the Baghouse (716FN03) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BF. Emission Unit #(s): S2.129 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.129 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BF.3. for S2.129 by conducting performance tests on the exhaust stack of the Baghouse (716FN03) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (716FN03) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (716FN03) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BF.3. for S2.129.

(4) Performance tests required under Section V.BF.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BF.3. for S2.129, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.129 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BF.3. that are conducted below the maximum allowable throughput, as established in Section V.BF.3. for S2.129, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BF.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BF.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BG. Emission Unit #(s): S2.130, location North 4,387.6707 km, East 305.9511 km, UTM (Zone 11)

System 21(h) – Coal/Coke Handling		
S	2.130	Coke Storage Bin 711FB02

1. Air Pollution Equipment

a. Emissions from S2.130 shall be ducted to a control system consisting of a Baghouse (716FN04) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	81.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.130 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.130 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.130 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.130, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (716FN04) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.130 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.130**, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.130 will not exceed 20 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.130 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BG. Emission Unit #(s): S2.130 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(h)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.130 on a daily basis.

(ii) Monitor the hours of operation for S2.130 on a daily basis.

(iii) Monitor the throughput rate for S2.130 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (716FN04) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (716FN04) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (716FN04) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (716FN04); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BG.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BG.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (716FN04), and any corrective actions taken to maintain implementation and proper use of the Baghouse (716FN04) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BG. Emission Unit #(s): S2.130 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.130 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BG.3. for S2.130 by conducting performance tests on the exhaust stack of the Baghouse (716FN04) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (716FN04) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (716FN04) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BG.3. for S2.130.

(4) Performance tests required under Section V.BG.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BG.3. for S2.130, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.130 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BG.3. that are conducted below the maximum allowable throughput, as established in Section V.BG.3. for S2.130, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BG.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BG.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BH. Emission Unit #(s): S2.131 - S2.133, location North 4,387.6796 km, East 305.9504 km, UTM (Zone 11)

System 21(i) – Coal/Coke Handling		
S	2.131	Coal Storage Bin 711FB01 transfer to Weigh Feeder 724WF01
S	2.132	Coke Storage Bin 711FB02 transfer to Weigh Feeder 724WF02
S	2.133	Weigh Feeders 724WF01 and 724WF02 transfer to Screw Conveyor 724SC01

1. Air Pollution Equipment

a. Emissions from S2.131 - S2.133 each, shall be ducted to a control system consisting of a Baghouse (726FN05) with 100% capture and a maximum volume flow rate of 4,374 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	33.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.32	Gas Volume Rate (cu. ft/min):	5,200 acfm
Temperature (°F):	68.0	Gas Volume Rate (cu. ft/min):	4,374 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.131 - S2.133 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.131 - S2.133 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.131 - S2.133 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.131 - S2.133, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (726FN05) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.30 pound per hour, nor more than 1.31 ton per 12-month rolling period.
(3) The opacity from S2.131 - S2.133 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.131 – S2.133** each, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.131 - S2.133 each, will not exceed 23 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.131 - S2.133 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BH. Emission Unit #(s): S2.131 - S2.133 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 21(i)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.131 - S2.133 on a daily basis.

(ii) Monitor the hours of operation for S2.131 - S2.133 on a daily basis.

(iii) Monitor the throughput rate for S2.131 - S2.133 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (726FN05) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (726FN05) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (726FN05) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (726FN05); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BH.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BH.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (726FN05), and any corrective actions taken to maintain implementation and proper use of the Baghouse (726FN05) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BH. Emission Unit #(s): S2.131 - S2.133 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.131 - S2.133 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BH.3. for S2.131 - S2.133 by conducting performance tests on the exhaust stack of the Baghouse (726FN05) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (726FN05) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (726FN05) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BH.3. for S2.131 - S2.133.

(4) Performance tests required under Section V.BH.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BH.3. for S2.131 - S2.133, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.131 - S2.133 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BH.3. that are conducted below the maximum allowable throughput, as established in Section V.BH.3. for S2.131 - S2.133, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BH.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BH.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BI. Emission Unit #(s): S2.134 - S2.135, location North 4,387.6725 km, East 305.9347 km, UTM (Zone 11)

System 22(a) – Coal/Coke Grinding and Storage		
S	2.134	Screw Conveyor 726SC01 transfer to Coal Mill 722RM01
S	2.135	Coal Mill 722RM01

1. Air Pollution Equipment

a. Emissions from S2.134 - S2.135 each, shall be ducted to a control system consisting of a Baghouse (728SK01) with 100% capture and a maximum volume flow rate of 14,800 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	137.0	Velocity (ft/sec):	24.46
Inside Diameter (feet):	3.58	Gas Volume Rate (cu. ft/min):	21,498 acfm
Temperature (°F):	203.0	Gas Volume Rate (cu. ft/min):	14,800 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.134 - S2.135 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.134 - S2.135 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.134 - S2.135 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.134 - S2.135, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (728SK01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 1.01 pound per hour, nor more than 4.45 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 1.01 pound per hour, nor more than 4.45 ton per 12-month rolling period.
(3) The discharge of NOx (nitrogen oxides) to the atmosphere will not exceed - See Section VI. Emission Caps.
(4) The discharge of CO (carbon monoxides) to the atmosphere will not exceed - See Section VI. Emission Caps.
(5) The discharge of SO_2 (sulfur dioxides) to the atmosphere will not exceed - See Section VI. Emission Caps.
(6) The discharge of VOC (volatile organic compounds) to the atmosphere will not exceed - See Section VI. Emission Caps.
(7) The opacity from S2.134 - S2.135 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.134 – S2.135** each, which:
(1) Contain particulate matter in excess of 0.070 g/dscm (0.031 gr/dscf) [40 CFR Part 60 Subpart Y § 60.252(a)(1)].
(2) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(a)(2)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.134 - S2.135 each, will not exceed 31.5 tons of material (coal/coke) per any one-hour period.
(2) Hours
(i) S2.134 - S2.135 each, may operate a total of 8,760 hours per calendar year

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Section V. Specific Operating Conditions (continued)

BI. Emission Unit #(s): S2.134 - S2.135 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 22(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal/coke) for S2.134 - S2.135 on a daily basis.

(ii) Monitor the hours of operation for S2.134 - S2.135 on a daily basis.

(iii) Monitor the throughput rate for S2.134 - S2.135 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (728SK01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (728SK01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (728SK01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (728SK01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) Install, calibrate, maintain, and operate a SO_2 continuous emissions monitoring system (CEMS) (consisting of a SO_2 pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of SO_2 (in ppm), volumetric gas flow (in scfh), and SO_2 emissions rate (in lb/hr and tons per 12-month rolling period) from S2.135. The CEMS will be installed at an appropriate location in the exhaust stack of S2.135 to accurately and continuously measure the SO_2 concentration in S2.135 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications 2 (PS-2) and 6 (PS-6); and 40 CFR Part 60, Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.

(vii) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the SO_2 concentration (in ppm), volumetric gas flow (in scfh), and SO_2 emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in BI.3.d.(1)(vi) above. The CDCS will be installed, calibrated, operated and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

(viii) Install, calibrate, operate and maintain a NO_x continuous emissions monitoring system (CEMS) (consisting of a NO_x pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of NO_x (in ppm), volumetric gas flow (in scfh), and NO_x emissions rate (in lb/hr and tons per 12-month rolling period) from S2.135. The CEMS will be installed at an appropriate location in the exhaust stack of S2.135 to accurately and continuously measure the NO_x concentration in S2.135 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications 2 (PS-2) and 6 (PS-6); and 40 CFR Part Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.

(ix) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the NO_x concentration (in ppm), volumetric gas flow (in scfh), and NO_x emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in BI.3.d.(1)(viii) above. The CDCS will be installed, calibrated, operated, and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

(x) Install, calibrate, operate and maintain a CO continuous emissions monitoring system (CEMS) (consisting of a CO pollutant concentration monitor and a flow monitoring device) to continuously measure the concentration of CO (in ppm), volumetric gas flow (in scfh), and CO emissions rate (in lb/hr and tons per 12-month rolling period) from S2.135. The CEMS will be installed at an appropriate location in the exhaust stack of S2.135 to accurately and continuously measure the CO concentration in S2.135 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specification 4; and 40 CFR Part Appendix F. Appendix F requirements shall be supplemented with a quarterly notice to the director with the dates of the quarterly cylinder gas audits and annual Relative Accuracy Test Audit.

(xi) Install, calibrate, operate, and maintain a Continuous Data Collection System (CDCS) to continuously record the CO concentration (in ppm), volumetric gas flow (in scfh), and CO emissions rate (in lb/hr and tons per 12-month rolling period), as measured by the CEMS required in BI.3.d.(1)(x) above. The CDCS will be installed, calibrated, operated, and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 60, Appendix B, Performance Specifications, and Appendix F.

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Section V. Specific Operating Conditions (continued)

BI. Emission Unit #(s): S2.134 - S2.135 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

(1) Monitoring and Recordkeeping (**continued**)

(xii) Install, calibrate, operate and maintain a continuous opacity monitoring system (COMS) to continuously measure and record the opacity discharged from S2.135. The COMS will be installed at an appropriate location in the discharge stack of S2.135 to accurately and continuously measure the opacity of S2.135 in accordance with the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 63 §63.1650(c), and 40 CFR Part 60, Appendix B, Performance Specification 1 (PS-1). If opacity interference due to water droplets exists in the stack, the opacity is monitored upstream of the interference.

(xiii) Install, calibrate, operate and maintain a Continuous Data Collection System (CDCS) to continuously record the opacity (in percent) as measured by the COMS required in BI.3.d.(1)(xxii) above on a 3-minute average period and 6-minute average period. The CDCS will be installed, calibrated, operated and maintained in accordance with the manufacturer's specifications and the requirements prescribed in NAC 445B.256 to NAC 445B.267, inclusive; 40 CFR Part 63 §63.1650(c), and 40 CFR Part 60, Appendix B, Performance Specifications.

(xiv) The required monitoring established in BI.3.d.(1)(i) through (xiii) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.
(b) The total daily throughput rate of material (coal/coke) in tons, for the corresponding date.
(c) The total daily hours of operation for the corresponding date.
(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BI.3.d.(1)(vi)(b) & (c) above.
(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.
(f) The SO_2 emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in BI.3.d.(1)(vii) of this section.
(g) The NOx emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in BI.3.d.(1)(ix) of this section.
(h) The CO emissions rates in lbs/hr and tons per 12-month rolling period, based on the data recorded by the CDCS as required in BI.3.d.(1)(xi) of this section.
(i) The VOC emissions rates in lbs/hr and tons per 12-month rolling period.
(j) The opacity in percent, based on the data recorded by the CDCS as required in BI.3.d.(1)(xiii) of this section.
(k) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (728SK01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (728SK01) used for control of emissions.
(l) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

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Section V. Specific Operating Conditions (continued)

BI. Emission Unit #(s): S2.134 - S2.135 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.134 - S2.135 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BI.3. for S2.134 - S2.135 by conducting performance tests on the exhaust stack of the Baghouse (728SK01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (728SK01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (728SK01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BI.3. for S2.134 - S2.135.

(4) Performance tests required under Section V.BI.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BI.3. for S2.134 - S2.135, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.134 - S2.135 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BI.3. that are conducted below the maximum allowable throughput, as established in Section V.BI.3. for S2.134 - S2.135, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BI.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BI.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BI. Emission Unit #(s): S2.134 - S2.135 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
Within 60 days after achieving the maximum production rate at which S2.134 – S2.135 will be operated, but no later than 180 days after initial startup of the facility:

(1) Monitoring of Operations (40 CFR Part 60 Subpart Y § 60.253)

(i) The permittee of any thermal dryer shall install, calibrate, maintain, and continuously operate monitoring devices as follows:

(a) A monitoring device for the measurement of the temperature of the gas stream at the exit of the thermal dryer on a continuous basis. The monitoring device is to be certified by the manufacturer to be accurate within ±1.7 °C (±3 °F).

(ii) All monitoring devices under paragraph 3.f.(1)(i)(a) listed above are to be recalibrated annually in accordance with procedures under §60.13(b).

(2) Test Methods and Procedures (40 CFR Part 60 Subpart Y § 60.254)

(i) In conducting the performance tests required in §60.8, the permittee shall use as reference methods and procedures the test methods in appendix A of Part 60 or other methods and procedures as specified in Subpart Y § 60.254, except as provided in §60.8(b).

(ii) The permittee shall determine compliance with the particular matter standards in §60.252 as follows:

(a) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Sampling shall begin no less than 30 minutes after startup and shall terminate before shutdown procedures begin.

(b) Method 9 and the procedures listed in §60.11 shall be used to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BJ. Emission Unit #(s): S2.136, location North 4,387.6862 km, East 305.9311 km, UTM (Zone 11)

System 22(b) – Coal/Coke Grinding and Storage		
S	2.136	Fine Coal Storage Bin 771BI01

1. Air Pollution Equipment

a. Emissions from S2.136 shall be ducted to a control system consisting of a Baghouse (776FN01) with 100% capture and a maximum volume flow rate of 2,149 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	51.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.00	Gas Volume Rate (cu. ft/min):	3,000 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	2,149 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.136 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.136 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.136 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.136, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (776FN01) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 ton per 12-month rolling period.
(3) The opacity from S2.136 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)
The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.136**, which:
(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.136 will not exceed 17.5 tons of material (coal) per any one-hour period.
(2) Hours
(i) S2.136 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BJ. Emission Unit #(s): S2.136 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 22(b)** will:

(2) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coal) for S2.136 on a daily basis.

(ii) Monitor the hours of operation for S2.136 on a daily basis.

(iii) Monitor the throughput rate for S2.136 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (776FN01) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (776FN01) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (776FN01) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (776FN01); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BJ.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coal) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BJ.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (776FN01), and any corrective actions taken to maintain implementation and proper use of the Baghouse (776FN01) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BJ. Emission Unit #(s): S2.136 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.136 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BJ.3. for S2.136 by conducting performance tests on the exhaust stack of the Baghouse (776FN01) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (776FN01) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (776FN01) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BJ.3. for S2.136.

(4) Performance tests required under Section V.BJ.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BJ.3. for S2.136, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.136 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BJ.3. that are conducted below the maximum allowable throughput, as established in Section V.BJ.3. for S2.136, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BJ.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BJ.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BK. Emission Unit #(s): S2.137, location North 4,387.6917 km, East 305.9459 km, UTM (Zone 11)

System 22(c) – Coal/Coke Grinding and Storage		
S	2.137	Fine Coke Storage Bin 771BI02

1. Air Pollution Equipment

a. Emissions from S2.137 shall be ducted to a control system consisting of a Baghouse (776FN02) with 100% capture and a maximum volume flow rate of 2,149 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	51.0	Velocity (ft/sec):	63.33
Inside Diameter (feet):	1.00	Gas Volume Rate (cu. ft/min):	3,000 acfm
Temperature (°F):	160.0	Gas Volume Rate (cu. ft/min):	2,149 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of S2.137 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of S2.137 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of S2.137 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of S2.137, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (776FN02) the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.15 pound per hour, nor more than 0.65 ton per 12-month rolling period.

(3) The opacity from S2.137 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

The Permittee shall not cause to be discharged into the atmosphere any gases from **S2.137**, which:

(1) Exhibit 20 percent opacity or greater [40 CFR Part 60 Subpart Y § 60.252(c)].

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for S2.137 will not exceed 14 tons of material (coke) per any one-hour period.

(2) Hours

(i) S2.137 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BK. Emission Unit #(s): S2.137 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 22(c)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (coke) for S2.137 on a daily basis.

(ii) Monitor the hours of operation for S2.137 on a daily basis.

(iii) Monitor the throughput rate for S2.137 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (776FN02) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (776FN02) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (776FN02) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (776FN02); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BK.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (coke) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BK.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (776FN02), and any corrective actions taken to maintain implementation and proper use of the Baghouse (776FN02) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BK. Emission Unit #(s): S2.137 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.137 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BK.3. for S2.137 by conducting performance tests on the exhaust stack of the Baghouse (776FN02) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (776FN02) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (776FN02) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BK.3. for S2.137.

(4) Performance tests required under Section V.BK.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BK.3. for S2.137, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.137 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BK.3. that are conducted below the maximum allowable throughput, as established in Section V.BK.3. for S2.137, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BK.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BK.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

f. Standards of Performance for New Stationary Sources - Standards of Performance for Coal Preparation Plants (40 CFR Part 60 Subpart Y)

(1) Test Methods and Procedures [40 CFR Part 60 Subpart Y § 60.254(b)(2)]

(i) The permitte shall use Method 9 and the procedures listed in § 60.11 to determine opacity.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BL. Emission Unit #(s): S2.138, location North 4,387.8610 km, East 305.8030 km, UTM (Zone 11)

System 23(a) - Synthetic Gypsum Bin Storage Tank and Handling (Storage Tank)		
S	2.138	Pneumatic Loading and transfer to Synthetic Gypsum Bin

1. Air Pollution Equipment

a. Emissions from S2.138 shall be ducted to a control system consisting of a Baghouse (DC-2238-3) with 100% capture and a maximum volume flow rate of 2,892 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

Stack Parameters

Height (feet from ground level):	60.0	Velocity (ft/sec):	85.93
Inside Diameter (feet):	0.90	Gas Volume Rate (cu. ft/min):	3,280 acfm
Temperature (°F):	Ambient	Gas Volume Rate (cu. ft/min):	2,892 dscfm

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)
The permittee shall provide the director the following:
(1) A notification of the date construction of S2.138 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).
(2) A notification of the anticipated date of initial startup of S2.138 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).
(3) A notification of the actual date of initial startup of S2.138 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)
On and after the date of startup of S2.138, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (DC-2238-3) the following pollutants in excess of the following specified limits:
(1) The discharge of PM (particulate matter) to the atmosphere will not exceed 0..48 pound per hour, nor more than 2.09 ton per 12-month rolling period.
(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.48 pound per hour, nor more than 2.09 ton per 12-month rolling period.
(3) The opacity from S2.138 will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)
The Permittee shall not cause to be discharged any gases from S2.138 which exhibit:
(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)
(1) The maximum allowable throughput for S2.138 will not exceed 35 tons of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) per any one-hour period.
(2) Hours
(i) S2.138 may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BL. Emission Unit #(s): S2.138 (continued)

3. **Operating requirements** (NAC 445B.3365.3) **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 23(a)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) for S2.138 on a daily basis.

(ii) Monitor the hours of operation for S2.138 on a daily basis.

(iii) Monitor the throughput rate for S2.138 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct a weekly observation of the Baghouse (DC-2238-3) in accordance with the manufacturer's operation and maintenance (O&M) manual and verify that the Baghouse (DC-2238-3) is operating normally; record the time of observation and indicate the status of the Baghouse (e.g., the condition of the bags and housing) and any corrective actions taken. Record and verify that any maintenance work on the Baghouse (DC-2238-3) is done in accordance with the manufacturer's O&M manual.

(v) Conduct and record a weekly visible emission inspection of the Baghouse (DC-2238-3); record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(vi) The required monitoring established in BL.3.d.(1)(i) through (v) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BL.3.d.(1)(vi)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly observations and the implementation and proper use of the Baghouse (DC-2238-3), and any corrective actions taken to maintain implementation and proper use of the Baghouse (DC-2238-3) used for control of emissions.

(g) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BL. Emission Unit #(s): S2.138 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

Within 60 days after achieving the maximum production rate at which S2.138 will be operated, but no later than 180 days after initial startup of the facility, Permittee shall determine compliance with the particulate matter (PM) and PM_{10} emission limits established in Section V.BL.3. for S2.138 by conducting performance tests on the exhaust stack of the Baghouse (DC-2238-3) as follows:

(1) Conduct and record a Method 5 compliance test for PM on the exhaust stack of Baghouse (DC-2238-3) consisting of three valid runs. The Method 5 emissions tests must be conducted in accordance with 40 CFR Part 60, Appendix A, Method 5. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The sampling probe and filter holder of Method 5 may be operated without heaters if the gas stream being sampled is at ambient temperature. For gas streams above ambient temperature, the Method 5 sampling train shall be operated with a probe and filter temperature slightly above the effluent temperature (up to a maximum filter temperature of 121^0C (250^0F)) in order to prevent water condensation on the filter.

(2) Conduct and record a Method 201A (or an equivalent method as approved by the Director) compliance test for PM_{10} on the exhaust stack of Baghouse (DC-2238-3) consisting of three valid runs. The Method 201A emissions tests must be conducted in accordance with 40 CFR Part 51, Appendix M, Method 201A.

(3) The Method 201A test required in this section may be replaced by a Method 5 test that includes the back-half catch. All particulate captured in the Method 5 test with back-half catch performed under this provision shall be considered PM_{10} emissions for determination of compliance with the emission limitations established in Section V.BL.3. for S2.138.

(4) Performance tests required under Section V.BL.3. shall use the methods specified and be conducted for a minimum of 60 minutes for each test run, unless otherwise approved by the Director.

(5) Performance tests must be conducted under such conditions as the director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard (NAC 445B.252.3).

(6) The permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures (NAC 445B.252.4).

(7) For the purposes of demonstrating initial compliance with the opacity standard established in Section V.BL.3. for S2.138, opacity observations shall be conducted in accordance with Reference Method 9 in Appendix A of 40 CFR Part 60. Opacity observations shall be conducted within 60 days after achieving the maximum production rate at which S2.138 will be operated, but no later than 180 days after initial startup of the facility. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

(8) Performance tests and opacity observations required under Section V.BL.3. that are conducted below the maximum allowable throughput, as established in Section V.BL.3. for S2.138, shall be subject to the director's review to determine if the throughputs during the performance tests were sufficient to provide adequate compliance demonstration. Should the director determine that the performance tests do not provide adequate compliance demonstration, the director may require additional performance testing.

(9) Permittee shall comply with the requirements of Section I.S.3. through I.S.8. and Section I.T.3. through I.T.8. for all performance testing.

(10) Within 60 days after completing the performance tests and opacity observations contained in Section V.BL.3., the permittee shall furnish the director a written report of the results of the performance tests and opacity observations required in Section V.BL.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BL. Emission Unit #(s): S2.138 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which S2.138 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.BL.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.BL.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;

(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;

(b) Sampling location description(s);

(c) A description of sampling and analytical procedures and any modifications to standard procedures;

(d) Test results;

(e) Quality assurance procedures and results;

(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;

(g) Raw data sheets for field sampling and field and laboratory analyses;

(h) Documentation of calculations;

(i) All data recorded and used to establish parameters for compliance monitoring; and

(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.BL.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BL. Emission Unit #(s): S2.138 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

f. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BM. Emission Unit #(s): PF1.034 - PF1.035, location North 4,387.8659 km, East 305.8169 km, UTM (Zone 11)

System 23(b) – Synthetic Gypsum Bin Storage Tank and Handling (Handling Conveyors)		
PF	1.034	Synthetic Gypsum Bin and transfer to Screw Conveyor (# 2242)
PF	1.035	Screw Conveyor (# 2242) and transfer to Screw Conveyor (# 2243)

1. Air Pollution Equipment

a. Emissions from PF1.034 – PF1.035 each, shall be controlled by sealed conveyor enclosures.

2. Construction requirements (NAC 445B.3365.3)

a. Notification and record keeping (40 CFR Part 60.7)

The permittee shall provide the director the following:

(1) A notification of the date construction of PF1.034 – PF1.035 is commenced postmarked no later than 30 days after such date. This requirement shall not apply to mass-produced facilities which are purchased in completed form (40 CFR Part 60.7(a)(1)).

(2) A notification of the anticipated date of initial startup of PF1.034 – PF1.035 postmarked not more than 60 days nor less than 30 days prior to such date (40 CFR Part 60.7(a)(2)).

(3) A notification of the actual date of initial startup of PF1.034 – PF1.035 postmarked within 15 days after such date (40 CFR Part 60.7(a)(3)).

3. Operating requirements (NAC 445B.3365.3)

a. Emission Limits (NAC445B.305)

On and after the date of startup of PF1.034 – PF1.035, the permittee will not discharge or cause the discharge into the atmosphere from PF1.034 – PF1.035, the following pollutants in excess of the following specified limits:

(1) The discharge of PM (particulate matter) to the atmosphere from PF1.034 will not exceed 0.06 pound per hour, nor more than 0.25 ton per 12-month rolling period.

(2) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.034 will not exceed 0.02 pound per hour, nor more than 0.09 ton per 12-month rolling period.

(3) The discharge of PM (particulate matter) to the atmosphere from PF1.035 will not exceed 0.06 pound per hour, nor more than 0.25 ton per 12-month rolling period.

(4) The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere from PF1.035 will not exceed 0.02 pound per hour, nor more than 0.09 ton per 12-month rolling period.

(5) The opacity from PF1.034 – PF1.035 each, will not equal or exceed 20 percent in accordance with NAC 445B.22017.

b. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL)

The Permittee shall not cause to be discharged any gases from **PF1.034 – PF1.035** each, which exhibit:

(1) Opacity in excess of 10 percent (40 CFR Part 63 Subpart LLL § 63.1348).

c. Operating Parameters (NAC 445B.305)

(1) The maximum allowable throughput for PF1.034 – PF1.035 each, will not exceed 18 tons of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) per any one-hour period.

(2) Hours

(i) PF1.034 – PF1.035 each, may operate a total of 8,760 hours per calendar year.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BM. Emission Unit #(s): PF1.034 - PF1.035 (continued)

3. **Operating requirements** NAC 445B.3365.3 **(continued)**

d. Monitoring, testing and reporting (NAC 445B.3365)

The permittee, upon the issuance date of this permit and while in operation of **System 23(b)** will:

(1) Monitoring and Recordkeeping

(i) Monitor the throughput rate of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) for PF1.034 – PF1.035 on a daily basis.

(ii) Monitor the hours of operation for PF1.034 – PF1.035 on a daily basis.

(iii) Monitor the throughput rate for PF1.034 – PF1.035 on a cumulative monthly basis, for each 12-month rolling period.

(iv) Conduct and record a weekly visible emission inspection on PF1.034 – PF1.035; record the time of the survey and indicate whether any visible emission was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test and perform any necessary corrective actions. The Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.

(v) The required monitoring established in BM.3.d.(1)(i) through (iv) above, will be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:

(a) The calendar date of any required monitoring.

(b) The total daily throughput rate of material (synthetic gypsum, fly ash, powdered slag, coloring agents, lime, baghouse dust, etc.) in tons, for the corresponding date.

(c) The total daily hours of operation for the corresponding date.

(d) The corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate will be determined from the total daily throughput rate and the total daily hours of operation recorded in BM.3.d.(1)(v)(b) & (c) above.

(e) The cumulative monthly throughput rate in tons, for each 12-month rolling period.

(f) The results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents require under 40 CFR Part 60, Appendix A.

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BM. Emission Unit #(s): PF1.034 - PF1.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (40 CFR Part 63 Subpart LLL) Within 60 days after achieving the maximum production rate at which PF1.034 – PF1.035 will be operated, but no later than 180 days after initial startup of the facility:

(1) Performance Testing Requirements (40 CFR Part 63 Subpart LLL § 63.1349)

(i) The permittee shall demonstrate initial compliance with the emission limits established in Section V.BM.3.b. using the test methods and procedures listed in §63.7 (40 CFR Part 63 Subpart A – General Provisions) [§ 63.1349(a)].

(ii) The permittee shall demonstrate initial compliance with the emission limits established in Section V.BM.3.b. by conducting a test in accordance with Method 9 of appendix A to part 60 of 40 CFR [§ 63.1349(b)(2)]. The performance test shall be conducted under the conditions that exist when the source is operating at the representative performance conditions in accordance with §63.7(e). The maximum 6-minute average opacity exhibited during the test period shall be used to determine whether the source is in initial compliance with the standard. The duration of the Method 9 performance test shall be 3 hours (30 6-minute averages), except that the duration of the Method 9 performance test may be reduced to 1 hour if the following conditions apply:

(a) There are no individual readings greater than 10 percent opacity;
(b) There are no more than three readings of 10 percent for the first 1-hour period.

(iii) Performance test results shall be documented in complete test reports that contain the following information, as well as all other relevant information [§ 63.1349(a)]. The plan to be followed during testing shall be made available to the director prior to testing.

(a) A brief description of the process and the air pollution control system;
(b) Sampling location description(s);
(c) A description of sampling and analytical procedures and any modifications to standard procedures;
(d) Test results;
(e) Quality assurance procedures and results;
(f) Records of operating conditions during the test, preparation of standards, and calibration procedures;
(g) Raw data sheets for field sampling and field and laboratory analyses;
(h) Documentation of calculations;
(i) All data recorded and used to establish parameters for compliance monitoring; and
(j) Any other information required by the test method.

(iv) Performance tests shall be repeated every five (5) years [§ 63.1349(c)].

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BM. Emission Unit #(s): PF1.034 - PF1.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(2) Monitoring Requirements (40 CFR Part 63 Subpart LLL § 63.1350)

(i) §63.1350(a) - The permittee shall submit a written Operations and Maintenance Plan (O&M Plan) listing the following information for director's review and approval as part of the application for a Class I (Title V) permit [re: NAC 445B.3366.4.]:

(a) Procedures for proper operation and maintenance of the source and air pollution control devices in order to meet the emission limits established in V.BM.3.b.; and

(b) Procedures to be used to periodically monitor the source. Such procedures must include the following (1) through (4) provisions:

(1) The permittee must conduct a monthly 1-minute visible emissions test of the source in accordance with Method 22 of Appendix A to part 60 of 40 CFR. The test must be conducted while the source is in operation.

(2) If no visible emissions are observed in six consecutive monthly tests for the source, the permittee may decrease the frequency of testing from monthly to semi-annually. If visible emissions are observed during any semi-annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(3) If no visible emissions are observed during the semi-annual test for the source, the permittee may decrease the frequency of testing from semi-annually to annually. If visible emissions are observed during any annual test, the permittee must resume testing of the source on a monthly basis and maintain that schedule until no visible emissions are observed in six consecutive monthly tests.

(4) If visible emissions are observed during any Method 22 test, the permittee must conduct a 6-minute test of opacity in accordance with Method 9 of appendix A to part 60 of 40 CFR. The Method 9 test must begin within one hour of any observation of visible emissions.

(5) The requirement to conduct Method 22 visible emissions monitoring listed in paragraphs (b)(1) through (b)(4) above shall not apply to any totally enclosed conveying system transfer point, regardless of the location of the transfer point. "Totally enclosed conveying system transfer point" shall mean a conveying system transfer point that is enclosed on all sides, top, and bottom. The enclosures for these transfer points shall be operated and maintained as total enclosures on a continuing basis in accordance with approved O&M Plan.

(ii) Failure to comply with any provision of the approved O&M Plan shall be a violation of the standard [§63.1350(b)].

(iii) The permittee shall monitor opacity in accordance with approved O&M Plan [§63.1350(j)].

(iv) If the permittee opts to use a fly ash derived from a source in which the use of activated carbon, or any other sorbent, is used as a method of mercury emissions control and demonstrate that the use of this fly ash does not increase mercury emissions, the permittee must obtain daily fly ash samples, composites monthly, and analyze the samples for mercury [§63.1350(p)].

(3) Notification Requirements (40 CFR Part 63 Subpart LLL § 63.1353)

(i) The permittee shall comply with the notification requirements in §63.9 as follows [§63.1353(b)]:

(a) Initial notifications as required by §63.9(b) through (d).

(b) Notification of performance tests, as required by §§63.7 and 63.9(e).

(c) Notification of opacity and visible emission observations required by §63.1349 in accordance with §§63.6(h)(5) and 63.9(f).

(d) Notification of compliance status, as required by §63.9(h).

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section V. Specific Operating Conditions (continued)

BM. Emission Unit #(s): PF1.034 - PF1.035 (continued)

3. Operating requirements (NAC 445B.3365.3) **(continued)**

e. National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (**continued**)

(4) Reporting Requirements (40 CFR Part 63 Subpart LLL § 63.1354)

(i) The permittee shall comply with the reporting requirements specified in §63.10 of the general provisions of 40 CFR part 63, subpart A as follows [§63.1354(b)]:

(a) As required by §63.10(d)(2), the permittee shall report the results of performance tests as part of the notification of compliance status.

(b) As required by §63.10(d)(3), the permittee shall report the opacity results from tests required by §63.1349.

(c) As required by §63.10(d)(4), the permittee who is required to submit progress reports as a condition of receiving an extension of compliance under §63.6(i) shall submit such reports by the dates specified in the written extension of compliance.

(d) As required by §63.10(d)(5), if actions taken by the permittee during a startup, shutdown, or malfunction of an affected source (including actions taken to correct a malfunction) are consistent with the procedures specified in the source's startup, shutdown, and malfunction plan specified in §63.6(e)(3), the permittee shall state such information in a semiannual report. Reports shall only be required if a startup, shutdown, or malfunction occurred during the reporting period. The startup, shutdown, and malfunction report may be submitted simultaneously with the excess emissions and continuous monitoring system performance reports; and

(e) Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures in the startup, shutdown, and malfunction plan, the permittee shall make an immediate report of the actions taken for that event within 2 working days, by telephone call or facsimile (FAX) transmission. The immediate report shall be followed by a letter, certified by the permittee or other responsible official, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred.

(5) Recordkeeping Requirements (40 CFR Part 63 Subpart LLL § 63.1355)

(i) The permittee shall maintain files of all information (including all reports and notifications) required by this section recorded in a form suitable and readily available for inspection and review as required by §63.10(b)(1) [§63.1355(a)]. The files shall be retained for at least five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent two years of data shall be retained on site. The remaining three years of data may be retained off site. The files may be maintained on microfilm, on a computer, on floppy disks, on magnetic tape, or on microfiche.

(ii) The permittee shall maintain records for the source as required by §63.10(b)(2) and (b)(3) of 40 CFR part 63 [§63.1355(b)]; and

(a) All documentation supporting initial notifications and notifications of compliance status under §63.9;

(b) All records of applicability determination, including supporting analyses; and

(c) If the permittee has been granted a waiver under §63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements.

f. Test Methods and Procedures (NAC 445B.252, NAC 445B.22017, NAC 445B.346.2)

(1) Permittee shall provide notification of the anticipated date for conducting the opacity observations required in Section V.BM.3. The notification shall be postmarked not less than 30 days prior to such date.

(2) Within 60 days after completing the opacity observations contained in Section V.BM.3., Permittee shall furnish the director a written report of the results of the opacity observations required in Section V.BM.3. All information and analytical results of testing and sampling must be certified as to the truth and accuracy and as to their compliance with NAC 445B.001 through 445B.3791, inclusive.

g. Notification (NAC 445B.250.4)

(1) The Bureau of Air Pollution Control will be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

**************End of Specific Operating Conditions***************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section VI. Emission Caps

A. Emission Caps for Systems 07 and 22(a):

1. Emission Limits (NAC 445B.305)
   On and after the date of startup of **Systems 07 and 22(a),** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stacks of Systems 07 and 22(a), the following pollutants in excess of the following specified limits:
   a. The combined discharge of NOx (nitrogen oxides) to the atmosphere will not exceed 540.00 pounds per hour, nor more than 2,365.20 tons per 12-month rolling period.
   b. The combined discharge of CO (carbon monoxides) to the atmosphere will not exceed 50.00 pounds per hour, nor more than 218.80 tons per 12-month rolling period.
   c. The combined discharge of SO_2 (sulfur dioxides) to the atmosphere will not exceed 43.20 pounds per hour, nor more than 189.20 tons per 12-month rolling period.
   d. The combined discharge of VOC (volatile organic compounds) to the atmosphere will not exceed 13.50 pounds per hour, nor more than 59.10 tons per 12-month rolling period.
   e. The emission limits in this paragraph apply at all times, including startups, shutdowns, and normal operations.

2. Recordkeeping and Reporting (NAC 445B.3365.3)
   Permittee, upon issuance of this permit, and in conjunction with all monitoring and recordkeeping requirements specified in Sections V.W.3. and V.BI.3. of this Permit will also record the following in the contemporaneous log:
   a. Nitrogen Oxides (NOx) Contemporaneous Log
      (1) Record the combined NOx emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(t) and V.BI.3.d.(1)(xiv)(g) in pounds per hour.
      (2) Record the combined NOx emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(t) and V.BI.3.d.(1)(xiv)(g) in tons per 12-month rolling period.

   b. Carbon Monoxide (CO) Contemporaneous Log
      (1) Record the combined CO emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(u) and V.BI.3.d.(1)(xiv)(h) in pounds per hour.
      (2) Record the combined CO emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(u) and V.BI.3.d.(1)(xiv)(h) in tons per 12-month rolling period.

   c. Sulfur Dioxide (SO_2) Contemporaneous Log
      (1) Record the combined SO_2 emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(s) and V.BI.3.d.(1)(xiv)(f) in pounds per hour.
      (2) Record the combined SO_2 emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(s) and V.BI.3.d.(1)(xiv)(f) in tons per 12-month rolling period.

   d. Volatile Organic Compounds (VOC) Contemporaneous Log
      (1) Record the combined VOC emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(v) and V.BI.3.d.(1)(xiv)(i) in pounds per hour.
      (2) Record the combined VOC emissions from Systems 07 and 22(a) as recorded in Section V.W.3.d.(1)(xxvi)(v) and V.BI.3.d.(1)(xiv)(i) in tons per 12-month rolling period.

   e. Permittee shall submit a report to NDEP-BAPC within 30 days of the end of each calendar quarter. The report must include the information required in Section VI.A.2. above.

**************End of Emission Caps****************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section VII. Surface Area Disturbance Conditions

A. Dust Control Plan (NRS 445B.230.6)
The permittee may not cause or permit the construction, repair, or demolition work, or the use of unpaved or untreated areas without applying all such measures as may be required by the Director to prevent particulate matter from becoming airborne.

B. The permittee will control fugitive dust in accordance with the dust control plan entitled "Surface Area Disturbance Permit - Fugitive Dust Control Plan", dated **June 8, 2007**. The total plant and disturbed surface area acreage is **45 acres**.

C. NAC 445B.22037
Fugitive Dust
1. The permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, the permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, the permittee may not disturb or cover 5 acres or more of land or its topsoil until the permittee has obtained an Permit to construct for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
   a. Agricultural activities occurring on agricultural land; or
   b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

**************End of Surface Area Disturbance Conditions ****************

Issued to: Nevada Cement Company (hereinafter referred to as Permittee)

Section VIII. Amendments

A. No Amendments are specified.

This Permit to construct:

1. **Is non-transferable. (NAC 445B.287)**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318)**
3. **Will expire if construction is not commenced within 18 months after the date of issuance or if construction of the facility is delayed for 18 months after initiated. (NAC 445B.3366)**
4. **Will expire if a complete application for a Class I operating permit or modification of an existing Class I operating permit is not submitted within 12 months after the initial start-up. (NAC 445B.3366)**
5. **Any party aggrieved by the Department's decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department's action. (NRS 445B.340)**
6. ***The Permittee* shall submit a complete Class I application within 12 months after the notification date of commencement of operation as required in this permit to construct. (NAC 445B.3361)**

Signature *Original Signed By*

Issued by: Greg Remer
Chief
Bureau of Air Pollution Control

Phone: (775) 687-9359 Date: **March 20, 2008**

CLASS I NON-PERMIT EQUIPMENT LIST

Appended to **Nevada Cement Concrete:** ***Facility ID*** **#A0030** ***Permit*** **#AP3241-2201**

Emission Unit #(s)	Emission Unit Description(s)	Exemption Regulation(s)	Reason Exemption Applies
IA1.001	North Tank #1 (Fuel Storage Tank) - 43,758 gallons	NAC 445B.288.4.	Extremely low VOC and HAPs emissions. Approved by NDEP on June 26, 2007.
IA1.002	South Tank #2 (Fuel Storage Tank) - 43,758 gallons	NAC 445B.288.4.	Extremely low VOC and HAPs emissions. Approved by NDEP on June 26, 2007.
IA1.003	Raw Mill Tank #3 (Fuel Storage Tank) - 40,303 gallons	NAC 445B.288.4.	Extremely low VOC and HAPs emissions. Approved by NDEP on June 26, 2007.
IA1.004	Quarry Diesel Tank (Fuel Storage Tank) - 12,000 gallons	NAC 445B.288.2.(d)	Storage container less than 40,000 gallons capacity.
IA1.005	Unleaded Fuel Tank (Fuel Storage Tank) - 3,000 gallons	NAC 445B.288.2.(d)	Storage container less than 40,000 gallons capacity.
IA1.006	Motor Oil Storage Tank (Oil Storage Tank) - 10,000 gallons	NAC 445B.288.2.(d)	Storage container less than 40,000 gallons capacity.
IA1.007	Pony Motor for Kiln - 200 hp	NAC 445B.288.2.(g)(1)	Stationary Internal Combustion Engine and rated less than 250 hp.
IA1.008	Portable Generator (Emergency Generator) - 200 hp	NAC 445B.288.2.(h)	Emergency Generator.
IA1.009	Cooling Tower - 300 gpm capacity, with a maximum TDS concentration of 500 ppm.	NAC 445B.288.4.(a)(2)	PM_{10} emissions are less than 4,000 lbs/yr. Approved by NDEP on July 28, 2003.

***Note*: The equipments listed on this attachment are subject to all applicable requirements of the NAC and ASIP.**