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

Bureau of Air Pollution Control

901 SOUTH STEWART STREET SUITE 4001
CARSON CITY, NEVADA 89701-5249
p: 775-687-9349 • www.ndep.nv.gov/bapc

Facility ID No. A0030 *Permit No.* AP3241-0387.05

CLASS I AIR QUALITY OPERATING PERMIT (*40 CFR Part 70 Program)*

Issued to: NEVADA CEMENT COMPANY (HEREINAFTER REFERRED TO AS PERMITTEE)
Mailing Address: 1290 WEST MAIN STREET, FERNLEY, NV 89408
Physical Address: 1290 WEST MAIN STREET, FERNLEY, NV 89408
Driving Directions: TAKE EXIT 46 AT FERNLEY, TRAVEL NORTH ON MAIN STREET AND TURN RIGHT AT COMMERCE CENTER DRIVE TO ENTER THE FACILITY
General Facility Location:

SECTIONS 10 AND 11, T 20 N, R 24 E, MDB&M
HA 76 – FERNLEY AREA / LYON COUNTY
NORTH 4,387,925 M, EAST 305,782 M, UTM ZONE 11, NAD 83

Emission Unit List:

A. System 01 – Limestone Truck Dump

PF1.001	Limestone Truck Unloading to Primary Crusher Hopper 101

B. System 02 – Primary Crusher Circuit

S2.002	Primary Crusher 102 and associated transfers (In from Primary Crusher Hopper 101, Conveyor 104, or Conveyor 107, Out to Apron Feeder 103 or Drag Chain Conveyor 103-1)
S2.004	Apron Feeder 103 transfer to Conveyor 104
S2.005	Drag Chain Conveyor 103-1 transfer to Conveyor 104 [Baghouse DC-105 transfer to Screw Conveyor to Feeder 105-1 to Rotary Feeder 105-1A to Screw Conveyor 105-2 to Raw Mill Dust Bin. Raw Mill Dust Bin transfer to Screw Conveyor 220-6 to Transfer Pump 213 is 100% Fully Enclosed]

C. Systems 03 and 04 – Secondary Screening Circuit and Secondary Crushing Circuit

S2.008	Shaker Screen 106-1 and associated transfers (In from Conveyor 104 or Conveyor 106-4, Out to Conveyor 107, Conveyor 108, or Conveyor 106-2)
S2.012	Conveyor 106-2 transfer to Conveyor 106-3
S2.015	Secondary Crusher 106 and associated transfers (In from Conveyor 106-3, Out to Conveyor 106-4) [Baghouse DC-108-8 transfer to Screw Conveyor 108-3 to Incline Screw Conveyor 108-6 is 100% Fully Enclosed]
S2.108	Incline Screw Conveyor 108-6 transfer to Belt Conveyor 108
S2.109	Reversing Belt Conveyor 106-2 transfer to Return Belt Conveyor 107

D. System 05A – Raw Material Storage

PF1.002	Conveyor 108 Feed End Chute
PF1.003	Conveyor 108 transfer to Conveyor 115 via Sampler Return Conveyor 118

E. System 05B – Raw Material Storage

PF1.004	Overhead Crane 109 transfer to Storage Bins (Limestone)

F. System 05C – Raw Material Storage

PF1.005	Overhead Crane 109 transfer to Storage Bin (Iron Ore)
PF1.006	Overhead Crane 109 transfer to Storage Bin (Clay)

G. System 05D – Raw Material Storage

PF1.035	Iron Ore Weigh Feeder 203 transfer to Belt Conveyor 204
PF1.036	Clay Weigh Feeder 202 transfer to Belt Conveyor 204

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Emission Unit List: (continued)

H. System 05E – Raw Material Storage

PF1.037	Limestone Weigh Feeder 1902 transfer to Belt Conveyor 1907
PF1.038	Limestone Weigh Feeder 1903 transfer to Belt Conveyor 1907 via Screw Conveyor 220-6
PF1.039	Limestone Weigh Feeder 1904 transfer to Belt Conveyor 1907
PF1.040	Limestone Weigh Feeder 1905 transfer to Belt Conveyor 1907
PF1.041	Limestone Weigh Feeder 1906 transfer to Belt Conveyor 1907 [Belt Conveyor 1907 transfer to Bucket Elevator 1908 is 100% Fully Enclosed]

I. System 05F – Raw Material Storage

PF1.042	Belt Conveyor 111-1 transfer to Belt Conveyor 111-2

J. System 06 – #1 Raw Mill (Primary Operating Scenario – Natural Gas)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)

K. System 06 – #1 Raw Mill (Alternative Operating Scenario – #2 Fuel Oil)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)

L. System 06A – #1 Raw Mill – Used as Finish Mill (Alternative Operating Scenario – Natural Gas)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)

M. System 06A – #1 Raw Mill – Used as Finish Mill (Alternative Operating – Scenario #2 Fuel Oil)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)

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Emission Unit List: (continued)

N. System 06B – #1 Raw Mill – Used as Pre-Grind Mill (Alternative Operating Scenario – Natural Gas)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)

O. System 06B – #1 Raw Mill – Used as Pre-Grind Mill (Alternative Operating Scenario – #2 Fuel Oil)

S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1
S2.019	Air Separator 206 to Air Slide 207
S2.020	Air Slide 207 transfer to Pump 213
S2.021	#1 Raw Mill 208
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)

P. System 07 – Blending Operations Storage Silo

S2.023	Pump 213 transfer to Blending and Storage Silos 300-7
S2.024	Pump Storage Silo to East or West Storage Silos

Q. System 08 – #1 Kiln Feed System

S2.025	Pump Storage Silos transfer to Kiln Feed Bin 401
S2.026	Kiln Feed Bin 401 transfer to Air Slide A
S2.179	Air Slide A transfer to Weigh Feeder A
S2.180	Weigh Feeder A transfer to Air Slide 401-1
S2.027	Air Slide 401-1 transfer to Bucket Elevator 402
S2.028	Bucket Elevator 402 transfer to Constant Head Feeder 404
S2.029	Constant Head Feeder 404 transfer to Kiln #1 406
S2.181	Air Slide A through By-Pass Chute to Air Slide 401-1

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Emission Unit List: (continued)

R. System 09 – #1 Kiln Circuit (Primary Operating Scenario – Coal or Coal/Coke Blend) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)

S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.031	Coal Mill 805
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4 [or Screw Conveyor 416-1 to Bucket Elevator 402 is 100% Fully Enclosed]
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]
S2.038	Bucket Elevator 414 transfer to Kiln #1 406
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]

S. System 09A – #1 Kiln Circuit (Alternative Operating Scenario – Combusting 100% Natural Gas) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)

S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.031	Coal Mill 805
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]
S2.038	Bucket Elevator 414 transfer to Kiln #1 406
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]

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Emission Unit List: (continued)

T. System 09B – #1 Kiln Circuit (Alternative Operating Scenario – Coal or Coal/Coke Blend, Carpet) - Revised June 2025 (Air Case #11706)

S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.031	Coal Mill 805
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4 [or Screw Conveyor 416-1 to Bucket Elevator 402 is 100% Fully Enclosed]
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]
S2.038	Bucket Elevator 414 transfer to Kiln #1 406
S2.112	Material transfer to Receiving Bins
S2.113	Receiving Bin transfer to Belt Conveyors
S2.114	Belt Conveyors transfer to Incline Belt to Feed Hopper
S2.115	Feed Hopper transfer to Material Weigher
S2.116	Material Weigher to Material Handling Fan
S2.117	Material Handling Fan through Duct to Kiln #1 Burner
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]

U. System 10 – #1 Kiln Clinker Cooler System

S2.039	Kiln #1 Clinker Cooler 408
S2.040	Clinker Breaker 409 transfer to Drag Chain 410
S2.041	Drag Chain 410 to Bucket Elevators 412-1 or 412-2
S2.042	Bucket Elevators 412-1 or 412-2 to Clinker Storage Stacker Tube 412-4 [Baghouse (DC-413) transfer to Screw Conveyor 413-2 to Rotary Feeder 413-3 to Screw Conveyor 413-4 to Screw Conveyors 2131 or 2132 to Clinker Storage is 100% Fully Enclosed]

V. System 11 – #1 Finish Mill Operations

S2.124	Weigh Feeder 501 transfer to Belt Conveyor 504
S2.125	Weigh Feeder 502 transfer to Belt Conveyor 504
S2.126	Weigh Feeder 503 transfer to Belt Conveyor 504
S2.043	Conveyor 504 transfer to #1 Finish Mill 505
S2.044	#1 Finish Mill 505
S2.045	Air Slide 506 transfer to Bucket Elevator 507
S2.046	Bucket Elevator 507 transfer to Air Separator 509 via Air Slide Conveyor 508-2
S2.047	Air Separator 509 transfer to Air Slide 519-1
S2.048	Air Slide 519-1 to Air Slide 519-2 and transfer to FK Pump 512 [Cement Cooler transfer to Air Slide Conveyor 508-1 to FK Pump 512]
S2.049	Dust Collector 516 transfer to FK Pump 512 [or Screw Conveyor 510-1 to Rotary Feeders 510-2 and 510-3 to Air Slide Conveyor 510-4 to Bucket Elevator 507 to Air Slide 508-2 to Air Separator 509 is 100% Fully Enclosed]

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Emission Unit List: (continued)

W. System 12 – #2 Raw Mill System (Primary Operating Scenario – Natural Gas)

S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917
S2.052	Air Separator 1910 transfer to Air Slide 1917
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]
S2.054	Heater 1909 (14 MMBtu/hr Natural Gas)

X. System 12 – #2 Raw Mill System (Alternative Operating Scenario – #2 Fuel Oil)

S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917
S2.052	Air Separator 1910 transfer to Air Slide 1917
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]
S2.054	Heater 1909 (9.06 MMBtu/hr #2 Fuel Oil)

Y. System 12A – #2 Raw Mill System – Used as Finish Mill (Alternative Operating Scenario – Natural Gas)

S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917
S2.052	Air Separator 1910 transfer to Air Slide 1917
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]
S2.054	Heater 1909 (14 MMBtu/hr Natural Gas)

Z. System 12A – #2 Raw Mill System (Alternative Operating Scenario – #2 Fuel Oil)

S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917
S2.052	Air Separator 1910 transfer to Air Slide 1917
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]
S2.054	Heater 1909 (9.06 MMBtu/hr #2 Fuel Oil)

AA. System 13 – #2 Raw Mill

S2.055	#2 Raw Mill 1911

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Emission Unit List: (continued)

AB. System 14A – #2 Kiln Feed System

S2.056	Pump Storage Silos transfer to Kiln Feed Bin 2002
S2.057	Kiln Feed Bin 2002 transfer to Air Slide 2004
S2.058	Air Slide 2004 transfer to Bucket Elevator 2005
S2.059	Bucket Elevator 2005 to Constant Head Feed Screw 2006
S2.060A	Constant Head Feed Screw 2006 transfer to Kiln Feed Screw 2010
S2.061	Kiln Feed Screw 2010 transfer to Kiln #2 2013
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]

AC. System 14B – #2 Kiln Feed System

S2.060B	Constant Head Feed Screw 2006

AD. System 15 – #2 Kiln Circuit (Primary Operating Scenario – Coal or Coal/Coke Blend) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)

S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.063	Coal Mill 2043
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]
S2.127	Portable Lime Tank for Kiln #2 2013

AE. System 15A – #2 Kiln Circuit (Alternative Operating Scenario – Natural Gas) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)

S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.063	Coal Mill 2043
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]
S2.127	Portable Lime Tank for Kiln #2 2013

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Emission Unit List: (continued)

AF. System 15B – #2 Kiln Circuit (Alternative Operating Scenario – Coal or Coal/Coke Blend, Carpet) - Revised June 2025 (Air Case #11706)

S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]
S2.063	Coal Mill 2043
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]
S2.127	Portable Lime Tank for Kiln #2 2013
S2.118	Material transfer to Receiving Bins
S2.119	Receiving Bin transfer to Belt Conveyors
S2.120	Belt Conveyors transfer to Incline Belt to Feed Hopper
S2.121	Feed Hopper transfer to Material Weigher
S2.122	Material Weigher to Material Handling Fan
S2.123	Material Handling Fan through Duct to Kiln #2 Burner

AG. System 16 – #2 Kiln Clinker Cooler and Reclaim System

S2.068	Kiln #2 Clinker Cooler 2017
S2.069	Clinker Breaker 2020 transfer to Drag Chain 2023

AH. System 17 – #2 Kiln Clinker Handling System

S2.070	Reclaim Conveyor 2116 transfer to Bucket Elevator 2117 [Baghouse (DC-2021) transfer to Screw Conveyor 2021-2 to Rotary Feeder 2021-3 to Screw Conveyor 2021-4 to Screw Conveyors 2132 and 2131 to Air Separators 2206-1 and 2206-2 is 100% Fully Enclosed]
S2.071	Drag Chain 2023 transfer to Bucket Elevator 2101-1
S2.072	Bucket Elevator 2101-1 to Clinker Storage [Baghouse (DC-2102) transfer to Rotary Feeder 2102-2 to Air Slide Conveyor 2102-4 and Drag Chain Conveyor 2201 to Finish Mill #2; Air Slide Conveyor 2102-4 transfer to Air Separator 2206-2 is 100% Fully Enclosed]

AI. System 18 – #2 Finish Mill Systems

S2.074	Feed Bins 2201-6 and 2201-7 transfer to #2 Finish Mill 2203-1
S2.075	#2 Finish Mill 2203-1
S2.076	Bucket Elevator 2204-1 transfer to Air Slide 2205-1
S2.077	Air Slide 2205-1 transfer to Air Separator 2206-1
S2.078	Air Separator 2206-1 transfer to Pump 2212 [Baghouse (DC-2207-1) transfer to Screw Conveyor 2208-1 to Air Slide Conveyor 2217 to Transfer Pump 2212 is 100% Fully Enclosed]

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Emission Unit List: (continued)

AJ. System 19 – #3 Finish Mill Systems

S2.073	Drag Chain 2201 transfer to Feed Bins 2201-6 and 2201-7
S2.079	Drag Chain 2201 transfer to Feed Bins 2201-8 and 2201-9
S2.080	Feed Bins 2201-8 and 2201-9 transfer to #3 Finish Mill 2203-2
S2.081	#3 Finish Mill 2203-2
S2.082	Bucket Elevator 2204-2 transfer to Screw Conveyor 2205-2
S2.083	Screw Conveyor 2205-2 transfer to Air Separator 2206-2
S2.084	Air Separator 2206-2 transfer to Pump 2212 [Baghouse (DC-2207-2) transfer to Screw Conveyor 2208-2 to Air Slide Conveyor 2217 to Transfer Pump 2212 is 100% Fully Enclosed]

AK. System 19A – Finish Mill Feed Storage Tank and Handling (Handling Conveyors)

PF1.030	Gypsum Bin and Transfer Bin transfer to #1 Reclaim Conveyor 2110
PF1.031	#1 Reclaim Conveyor 2110 transfer to #3 Reclaim Conveyor 2116

AL. System 20 – Cement Storage Silo (Revised February 2026, Air Case # 12592)

S2.085	Transfer to Storage Silo #7 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]
S2.196	Silo #7 to Airslide to Blender **(Added February 2026, Air Case # 12592)**
S2.197	Blender to Silo #7 **(Added February 2026, Air Case # 12592)**

AM. System 21 – Cement Bulk Loading (Revised February 2026, Air Case # 12592)

S2.086	Silo transfers to Air Slides
S2.087	Air Slides transfer to Bucket Elevator 613
S2.088	Bucket Elevator 613 to Air Slides 609-4 and 701-1 [or Truck Loadout Air Slide 608-4 to Truck Loadout Spout 610 is 100% Fully Enclosed]
S2.089	Air Slides 609-4 and 701-1 transfer to Loading Spout 627
S2.090	Silo transfers to North Rail Storage Bin 624
S2.091	North Rail Storage Bin 624 transfer to Loading Spout 627
S2.092	#1 Finish Mill Pump 512 transfer into Silos
S2.093	#2 and #3 Finish Mill Pump 2212 and #1 and #2 Raw Mill Pump 213-10 transfer into Silos [Silo #10 transfer to Air Slide 606-3 to Air Slide 606-2 is 100% Fully Enclosed]
S2.093A	Railcar Unloading System A transfer into Silos
S2.093B	Railcar Unloading System B transfer into Silos [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]
S2.198	Silos to Airslide to Blender **(Added February 2026, Air Case # 12592)**
S2.199	Blender to Silos **(Added February 2026, Air Case # 12592)**

AN. System 22A – Cement Bulk Loading 1

S2.094	Silo #12 Fill
S2.095	Silo #13 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AO. System 22B – Cement Bulk Loading 4

S2.096	Silos #12 and #13 to Loading Spouts 672-3 and 672-4 via Air Slides 654 - 661 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

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Emission Unit List: (continued)

AP. System 23A – Cement Bulk Loading 2
S2.097 Silo #14 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AQ. System 23B – Cement Bulk Loading 3
S2.098 Silo #15 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AR. System 23C – Cement Bulk Loading 5
S2.099 Silos #14 and #15 to Loading Spouts 672-1 and 672-2 via Air Slides 663 - 670 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AS. System 24 – Packhouse
S2.100 Pack Storage Bin transfer to Bucket Elevator 704 [Air Slide 701 transfer to Pack Storage Bin to Rotary Feeder 702 to Air Slides 703-3, 703-4, and 703-2 to Air Slide 703-1 to Bucket Elevator 704 is 100% Fully Enclosed]
S2.101 Bucket Elevator 704 to Air Slide 705-1 and 706-1
S2.102 Air Slide 705-1 transfer to Packer 707 and Air Slides 706-1 and 706-2 [Baghouse (DC-710) transfer to Rotary Feeder 710-1 to Air Slide Conveyor 711-2 to Bucket Elevator 704 is 100% Fully Enclosed]

AT. System 25B – Rail Unloading/Transfer
S2.104 Rail Transfer 634-8 to South Storage Bin 625
S2.105 Silo #8 transfer to South Storage Bin 625 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AU. System 26 – Fly Ash Bulk Loading
S2.106 South Storage Bin 625 transfer to Air Slide 609-4 and to Loading Spout 610 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]

AV. System 27A – Coal/Coke Handling (Rail Unloading)
PF1.007 Railcar Unloading to Conveyor 111

AW. System 27B – Coal/Coke Handling (Covered Conveyors)
PF1.008 Conveyor 111 transfer to Conveyor 111-1 or Conveyor 2302
PF1.009 Conveyor 2302 transfer to Conveyor 2302-1
PF1.010 Conveyor 2302-1 transfer to Conveyor 2302-2
PF1.032 Conveyor 111 transfer to Conveyor 111-2
PF1.033 Belt Conveyor 2103 transfer to Belt Conveyor 2106

AX. System 27C – Coal/Coke Handling (Coal/Coke Storage Building)
PF1.011 Conveyor 2302-2 transfer to Belt Tripper 2303
PF1.012 Belt Tripper 2303 transfer to Coal Storage

AY. System 27D – Coal/Coke Handling (Coal/Coke Storage Building)
PF1.013 Inside Storage 2300-23A transfer to Weigh Feeders 2305-1, 2, 3, 4, 5
PF1.014 Weigh Feeders 2305-1, 2, 3, 4, 5 transfer to Conveyor 2306

AZ. System 27E – Coal/Coke Handling (Coal/Coke Storage Building)
PF1.015 Conveyor 2306 transfer to Conveyor 2316

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Emission Unit List: (continued)

BA. System 27F – Coal/Coke Handling (Mill Building Enclosure)
PF1.016 Conveyor 2307 transfer to Coal Mill #1 Storage Bin 803

BB. System 27G – Coal/Coke Handling (Mill Building Enclosure)
PF1.017 Storage Bin 803 transfer to Feeder Belt 804
PF1.018 Feeder Belt 804 transfer to Coal Mill #1 805

BC. System 27H – Coal/Coke Handling (Mill Building Enclosure)
PF1.019 Conveyor 2309 transfer to Conveyor 2307
PF1.020 Conveyor 2316 transfer to Bin 2041, Conveyor 2309, or Screw Conveyor 2316-2

BD. System 27I – Coal/Coke Handling (Mill Building Enclosure)
PF1.021 Storage Bin 2041 transfer to Feeder Belt 2042
PF1.022 Feeder Belt 2042 transfer to Coal Mill #2 2043

BE. System 28A – Finish Mill Feed Storage Tank and Handling
S2.107 Pneumatic Loading to Finish Mill Feed Storage Tank [Finish Mill Feed Storage Tank transfer to Rotary Feeder 2240 to Weigh Screw Conveyor 2241 to Screw Conveyor 2242 to Screw Conveyor 2243 to Finish Mill #2 and #3 is 100% Fully Enclosed]

BF. System 28C – Lime Handling (Finish Mill Feed Storage Tank)
PF1.034 Loader transfer to Feed Hopper #1
PF1.043 Feed Hopper transfer to Feed Screw Conveyor
PF1.044 Feed Screw Conveyor transfer to Guppy

BG. System 28D – Lime Handling (Finish Mill #1)
PF1.045 Loader transfer to Feed Hopper #2 [Feed Hopper transfer to Rotary Feeder is 100% Fully Enclosed]

BH. System 28E – Lime Handling (Finish Mill #2 and/or #3)
PF1.046 Loader transfer to Feed Hopper #3 [Feed Hopper transfer to Rotary Feeder is 100% Fully Enclosed]

BI. System 28F – Lime Handling
S2.128 Truck Unloading to Lime Tank

BJ. System 30 – Pony Motor #1 (Revised February 2026, Air Case # 12592)
S2.130 Emergency Kiln Drive Engine (Deutz 74 hp, Model No. BF 4L 2011, Serial No. 10128580, Manufactured 02/2006)

BK. System 31 – Pony Motor #2 (Revised February 2026, Air Case # 12592)
S2.131 Emergency Kiln Drive (Duetz 60.8 hp, Model No. F4L 2011, Serial No. 00847623, Manufactured 02/2006)

BL. System 32 – Portable Generator (Revised February 2026, Air Case # 12592)
S2.132 Emergency Generator (CAT 227 hp, Model 3306 PCT, Serial 66D32021, Manufactured 1979)

BM. System 33 – Unleaded Fuel Tank
S2.133 Unleaded Fuel Tank (3,000 gallons)

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Emission Unit List: (continued)

BN. System 34A – Finish Mill #4 (Dump to Hopper)

PF1.047	Dump to Crane Weigh Hopper
PF1.048	Dump to Front End Loader Weigh Hopper

BO. System 34B – Finish Mill #4 (Pozzolan Truck Dump Baghouse #3)

S2.134	Truck to Dump Hopper
S2.135	Truck Dump Hopper to Conveyor 8

BP. System 34C – Finish Mill #4 (Conveyor to Bucket Elevator Baghouse #4)

S2.136	Conveyor 8 to Conveyor 1
S2.137	Conveyor 9 to Bucket Elevator 2
S2.138	Bucket Elevator 2 to Conveyor 1

BQ. System 34D – Finish Mill #4 (Conveyor Transfer Baghouse #2)

S2.139	Conveyor 1 to Conveyor 2
S2.140	Conveyor 2 to Bin 1 Feed Conveyor
S2.141	Conveyor 1 to Conveyor 3
S2.142	Conveyor 3 to Bin 2 Feed Conveyor
S2.143	Conveyor 1 to Conveyor 4
S2.144	Conveyor 4 to Bin 3 Feed Conveyor
S2.145	Conveyor 1 to Conveyor 5
S2.146	Conveyor 5 to Bin 4 Feed Conveyor
S2.147	Conveyor 1 to Conveyor 6
S2.148	Conveyor 6 to Bin 5 Feed Conveyor

BR. System 34E – Finish Mill #4 (Feed Mill Bins Baghouse #1)

PF1.149	Bin 1 Feed Conveyor to Bin 1
PF1.150	Bin 2 Feed Conveyor to Bin 2
PF1.151	Bin 3 Feed Conveyor to Bin 3
PF1.152	Bin 4 Feed Conveyor to Bin 4
PF1.153	Bin 5 Feed Conveyor to Bin 5
PF1.154	Bin 1 to Weigh Feeder 1
PF1.155	Weigh Feeder 1 to Conveyor 7
PF1.156	Bin 2 to Weigh Feeder 2
PF1.157	Weigh Feeder 2 to Conveyor 7
PF1.158	Bin 3 to Weigh Feeder 3
PF1.159	Weigh Feeder 3 to Conveyor 7
PF1.160	Bin 4 to Weigh Feeder 4
PF1.161	Weigh Feeder 4 to Conveyor 7
PF1.162	Bin 5 to Weigh Feeder 5
PF1.163	Weigh Feeder 5 to Conveyor 7
PF1.164	Conveyor 7 to Bucket Elevator 1

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Emission Unit List: (continued)

BS. System 34F – Finish Mill #4 (Gebr. Pfeiffer Mill)
S2.165A Bucket Elevator 1 to Finish Mill #4
S2.166A Finish Mill #4
S2.167A Hot Gas Generator (22.185 MMBtu/hr)

BT. System 34F – Finish Mill #4 (Cemengal FLS Mill)
S2.165B Bucket Elevator 1 to Finish Mill #4
S2.166B Finish Mill #4
S2.167B Hot Gas Generator (22.526 MMBtu/hr)

BU. System 35 – PAC Storage Silo
S2.168 PAC Storage Silo Loading [PAC Storage Silo Unloading to Ductwork is 100% Fully Enclosed]

BV. System 36 – Waste PAC Storage Silo
S2.169 Waste PAC Storage Silo [Waste Storage Silo Unloading into Ductwork is 100% Fully Enclosed]

BW. System 37 – Carpet Shredding Operation
S2.170 Primary Shredder and associated transfers (In from Conveyor Belt BC-001, Out to Reversing Belt BC-002)
S2.171 Reversing Belt BC-002 to Conveyor Belt BC-004
S2.172 Reversing Belt BC-004 to Drag Chain DG-001
S2.173 Drag Chain DG-001 to Walking Floor Trailer #1
S2.174 Drag Chain DG-001 to Walking Floor Trailer #2
S2.175 Reversing Belt BC-002 to Conveyor Belt BC-003
S2.176 Secondary Shredder/Crusher/Mill and associated transfers (In from Conveyor Belt BC-003, Out to Shaker Screen)
S2.177 Shaker Screen and associated transfers (In from Secondary Shredder/Crusher/Mill, Out to Conveyor Belt BC-005 or Conveyor Belt BC-004)
S2.178 Conveyor Belt BC-005 to Bag Loader
S2.179 Bag Loading

BX. System 38 – New Railcar Cement Unloading System (DC-001) (Added February 2026, Air Case # 12592)
S2.182 Rail Unloading to Air Slide (AS-004)
S2.183 Air Slide (AS-004) to Bucket Elevator Tail (BE-001)

BY. System 39 – New Railcar Cement Unloading System (DC-002) (Added February 2026, Air Case # 12592)
S2.184 Bucket Elevator Head (BE-001) to Air Slide (AS-021) [Air Slide (AS-021) to Air Slide (AS-024) is fully enclosed]

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Emission Unit List: (continued)

BZ. System 40 – New Railcar Cement Unloading System (DC-003) (Added February 2026, Air Case # 12592)

S2.185	Air Slide (AS-103) or (AS-804) to Air Slide (AS-400)
S2.186	Air Slide (AS-400) to Bucket Elevator Tail (BE-003)

CA. System 41 – New Railcar Cement Unloading System (DC-004) (Added February 2026, Air Case # 12592)

S2.187	Bucket Elevator Head (BE-003) to Air Slide (AS-401) [Air Slide (AS-401) discharge to Silos #12 through #15 is fully enclosed]

CB. System 42 – New Railcar Cement Unloading System (DC-005) (Added February 2026, Air Case # 12592)

S2.188	Air Slide (AS-023) or (cement dome) to Air Slide (AS-024)
S2.189	Air Slide (AS-024) to Bucket Elevator Tail (BE-002)

CC. System 43 – New Railcar Cement Unloading System (DC-006) (Added February 2026, Air Case # 12592)

S2.190	Bucket Elevator Head (BE-002) to Air Slide (AS-801) [Air Slide (AS-801) transfers to Silos SI-001 through SI-008 are fully enclosed]

CD. System 44 – New Railcar Cement Unloading System (DC-007) (Added February 2026, Air Case # 12592)

S2.191	Silos (SI-001) through (SI-008) unloading to Air Slide (AS-825)
S2.192	Air Slide (AS-825) to Bucket Elevator Tail (BE-004)

CE. System 45 – New Railcar Cement Unloading System (DC-008) (Added February 2026, Air Case # 12592)

S2.193	Silos (SI-001) through (SI-008) unloading to Air Slide (AS-830)
S2.194	Air Slide (AS-830) to Bucket Elevator Tail (BE-004)

CF. System 46 – New Railcar Cement Unloading System (DC-009) (Added February 2026, Air Case # 12592)

S2.195	Bucket Elevator Head (BE-004) to Air Slide (AS-100) [Air Slide (AS-100) transfers to North Rail Storage Bin 624 or South Storage Bin 625 are fully enclosed]

CG. System 47 – LNB Emergency Generator (Added Month Year, Air Case # 12736)

S2.200	LNB Emergency Generator (86.5 HP; Manufactured by Izuzu; Model:BR-4JJ1X; Engine Family: KSZXL03.0RXB; Manufactured 2019)

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

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Facility ID No. A0030 *Permit No.* AP3241-0387.05
CLASS I AIR QUALITY OPERATING PERMIT

Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section I. General Conditions

A. Nevada Administrative Code (NAC) 445B.063
The Department may use any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed, to determine excess emissions.

B. 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.

C. NAC 445B.22017
Visible Emissions: Maximum Opacity; Determination and Monitoring of Opacity.
1. Except as otherwise provided in this section and NAC 445B.2202, the Permittee may not 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 CFR 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 CFR 60.13(h).
2. The provisions of this section and NAC 445B.2202 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.
3. If the provisions of 40 CFR Part 60, Subpart D or Da apply to an emission unit, the emission unit shall be allowed one 6-minute period per hour of not more than 27 percent opacity as set forth in 40 CFR 60.42(a)(2) and 40 CFR 60.42a(b).
4. The continuous monitoring system for monitoring opacity at a facility shall be operated and maintained by the Permittee specified in the permit for the facility in accordance with NAC 445B.256 to 445B.267, inclusive.

D. NAC 445B.22067
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).

E. NAC 445B.22087
Odors
1. 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 the comfortable enjoyment of life or property.
2. The Director shall investigate an odor when 30 percent or more of a sample of the people exposed to it believe it to be objectionable in usual places of occupancy. The sample must be at least 20 people or 75 percent of those exposed if fewer than 20 people are exposed.
3. The Director shall deem the odor to be a violation if he or she is able to make two odor measurements within a period of 1 hour. These measurements must be separated by at least 15 minutes. An odor measurement consists of a detectable odor after the odorous air has been diluted with eight or more volumes of odor-free air.

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

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Section I. General Conditions (continued)

G. NAC 445B.227
Prohibited conduct: Operation of source without required equipment; removal or modification of required equipment; modification of required procedure
Except as otherwise provided in NAC 445B.001 to 445B.390, inclusive, no person may:
1. Operate a stationary source of air pollution unless the control equipment for air pollution which is required by applicable requirements or conditions of this Operating Permit 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 the permit.

H. 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.100 to 445B.390, inclusive, must be approved in advance by the Director and performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Permittee shall notify the Director of the proposed time and expected duration at least 30 days before any scheduled maintenance or testing which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.390, inclusive. The scheduled maintenance or testing must not be conducted unless the scheduled maintenance or testing is approved pursuant to NAC 445B.232(1).
3. The Permittee shall notify the Director of the proposed time and expected duration at least 24 hours before any scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.390, inclusive. The scheduled repairs must not be conducted unless the scheduled repairs are approved pursuant to NAC 445B.232(1).
4. The Permittee shall notify the Director by email of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during start-up or shutdown of that equipment. The Permittee shall send the email to eenotify@ndep.nv.gov.
5. The Permittee shall provide the Director, within 15 days after any malfunction, upset, start-up, 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 the 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.
6. The Permittee shall ensure that any notification or related information submitted to the Director pursuant to this section is provided in a format specified by the Director.

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Section I. General Conditions (continued)

I. NAC 445B.252

Testing and Sampling

1. To determine compliance with NAC 445B.001 to 445B.390, inclusive, before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the Permittee of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and sampling or either of them 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 start-up of the facility and at such other 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 reference method with minor changes in methodology;
   b. Approves the use of an equivalent method;[1]
   c. Approves the use of an alternative method, the results of which the Director has determined to be adequate for indicating whether a specific stationary source is in compliance;[2] or
   d. Waives the requirement for tests of performance because the Permittee 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 Permittee 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 start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
4. The Permittee 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 and as specified by the Director.[3]
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 Permittee 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.
9. Notwithstanding the provisions of NAC 445B.252(2), the Director shall not approve an alternative method or equivalent method to determine compliance with a standard or emission limitation contained in Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations for:
   a. An emission unit that is subject to a testing requirement pursuant to Part 60, 61 or 63 of Title 40 of the Code of Federal Regulations; or
   b. An affected source.

[1] Requires additional approval from the EPA Administrator.
[2] Requires additional approval from the EPA Administrator.
[3] Requires additional approval from the EPA Administrator.

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Section I. General Conditions (continued)

J. NAC 445B.273(1)
Schedules for Compliance
All new and existing stationary sources must comply with NAC 445B.001 through 445B.390, 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.

K. NAC 445B.275
Violations: Acts constituting; notice
1. Failure to comply with any requirement of NAC 445B.001 to 445B.390, inclusive, any applicable requirement or any condition of an operating permit constitutes a violation. As required by NRS 445B.450, the Director shall issue a written notice of an alleged violation to the Permittee for any violation, including, but not limited to:
   a. Failure to apply for and obtain an operating permit;
   b. Failure to construct a stationary source in accordance with the application for an operating permit as approved by the Director;
   c. Failure to construct or operate a stationary source in accordance with any condition of an operating permit;
   d. Commencing construction or modification of a stationary source without applying for and receiving an operating permit or a modification of an operating permit as required by NAC 445B.001 to 445B.3477, inclusive, or a mercury operating permit to construct as required by NAC 445B.3611 to 445B.3689, inclusive;
   e. Failure to comply with any requirement for recordkeeping, monitoring, reporting or compliance certification contained in an operating permit; or
   f. Failure to pay fees as required by NAC 445B.327 or 445B.3689.
2. The written notice must specify the provision of NAC 445B.001 to 445B.390, inclusive, the condition of the operating permit or the applicable requirement that is being violated.
3. Written notice shall be deemed to have been served if delivered to the person to whom addressed or if sent by registered or certified mail to the last known address of the person.

L. NAC 445B.305
Operating permits: Imposition of more stringent standards for emissions
The Director may impose standards for emissions on a proposed stationary source that are more stringent than those found in NAC 445B.001 to 445B.390, inclusive, as a condition of approving an operating permit for the proposed stationary source.

M. NAC 445B.315
Contents of operating permits: Exception for operating permits to construct; required conditions
1. Notwithstanding any provision of this section to the contrary, the provisions of this section do not apply to operating permits to construct.
2. The Director shall cite the legal authority for each condition contained in an operating permit.
3. An operating permit must contain the following conditions:
   a. The term of the operating permit is 5 years.
   b. The Permittee shall retain records of all required monitoring data and supporting information for 5 years after the date of the sample collection, measurement, report or analysis. Supporting information includes all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.
   c. Each of the conditions and requirements of the operating permit is severable, and if any are held invalid, the remaining conditions and requirements continue in effect.
   d. The Permittee shall comply with all conditions of the operating permit. Any noncompliance constitutes a violation and is a ground for:
      (1) An action for noncompliance;
      (2) Revising, revoking, reopening and revising, or terminating the operating permit by the Director; or
      (3) Denial of an application for a renewal of the operating permit by the Director.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section I. General Conditions (continued)

M. NAC 445B.315 (continued)
Contents of operating permits: Exception for operating permits to construct; required conditions (continued)

3. An operating permit must contain the following conditions (continued):
   e. The need to halt or reduce activity to maintain compliance with the conditions of the operating permit is not a defense to noncompliance with any condition of the operating permit.
   f. The Director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.
   g. The operating permit does not convey any property rights or any exclusive privilege.
   h. The Permittee shall provide the Director, in writing and within a reasonable time, with any information that the Director requests[4] to determine whether cause exists for revising, revoking and reissuing, reopening and revising, or terminating the operating permit, or to determine compliance with the conditions of the operating permit.
   i. The Permittee shall pay fees to the Director in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
   j. The Permittee shall allow the Director or any authorized representative, upon 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 the operating permit;[5]
      (2) Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of the operating permit
      (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 the operating permit; and
      (4) Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of the operating permit or applicable requirements.
   k. A responsible official (as defined in NAC 445B.156) of the stationary source shall certify that, based on information and belief formed after a reasonable inquiry, the statements made in any document required to be submitted by any condition of the operating permit are true, accurate and complete.

N. NAC 445B.319, NAC 445B.342, NAC 445B.3425, and NAC 445B.344
Any changes to this operating permit will comply with all provisions established under NAC 445B.319 (Administrative Amendment),[6] NAC 445B.342 (Notification of Authorized Change), NAC 445B.3425 (Minor Revision), and NAC 445B.344 (Significant Revision).

O. NAC 445B.325
Termination, reopening and revision, modification, and revocation and reissuance

1. A Class I operating permit must be reopened and revised to incorporate any additional applicable requirement adopted pursuant to the Act if, on the effective date of the applicable requirement, the operating permit has a remaining term of 3 or more years. The reopening must be completed no later than 18 months after the effective date of the applicable requirement.[7]

[4] The Permittee shall submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will be submitted in the format required by the Nevada Division of Environmental Protection Bureau of Air Pollution Control and Bureau of Air Quality Planning (Air Programs) for all emission units/systems specified on the form. The report must be submitted to the Air Programs no later than March 1 annually for the preceding calendar year, unless otherwise approved by the Air Programs.
[5] Under NAC 445B.288(3), the Permittee shall retain an operating log for emission units considered insignificant activities subject to a limitation on its hours of operation pursuant to NAC 445B.288(2) for not less than 5 years.
[6] Under NAC 445B.287(3), an operating permit may not be transferred from one owner or piece of equipment to another. The Permittee may apply for an administrative amendment reflecting a change of ownership or the name of the stationary source.
[7] State only requirements (only Nevada has authority to enforce).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section I. General Conditions (continued)

O. NAC 445B.325 (continued)
Termination, reopening and revision, modification, and revocation and reissuance (continued)

2. An operating permit may be terminated, reopened and revised, modified, or revoked and reissued if:
   a. The Director or the Administrator determines that the operating permit contains a material mistake or is based on inaccurate statements;
   b. The Director or the Administrator determines that the operating permit, as written, does not ensure compliance with all applicable requirements; or
   c. The Director determines that there has been a violation of any of the provisions of NAC 445B.001 to 445B.390, inclusive, any applicable requirement, or any condition contained in the operating permit.
3. The Director shall notify the Permittee at least 30 days before the Director terminates, reopens and revises, revises, or revokes and reissues the operating permit. The notice must be made by certified mail and must contain the legal authority, the jurisdiction and the reasons for the action taken.[8]
4. If the Administrator notifies the Director and the Permittee that cause exists to reopen the operating permit, the Director shall forward to the Administrator a proposed determination of the reopening and revision, the revision of, or the revocation and reissuance of the operating permit within 90 days after receipt of the notice from the Administrator.[9]
5. If the Director reopens an operating permit, he or she shall revise only those portions of the operating permit for which cause exists.
6. The reopening of an operating permit pursuant to this section must comply with all of the relevant requirements for the issuance or revision of a permit, including the requirements related to the content of the permit and the requirements for notice, public participation and comment, and a review by any affected states.

P. NAC 445B.326
Assertion of Emergency as Affirmative Defense to Action for Noncompliance

1. A holder of an operating permit may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the operating permit if the Permittee demonstrates through signed, contemporaneous operating logs or other relevant evidence, that:
   a. An emergency occurred and the Permittee can identify the cause of the emergency;
   b. The facility was being properly operated at the time of the emergency;
   c. During the emergency, the Permittee took all reasonable steps to minimize excess emissions; and
   d. The Permittee 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.
2. In any action for noncompliance, the Permittee who asserts the affirmative defense of an emergency has the burden of proof.

Q. NAC 445B.3265
Operating permits: Revocation and reissuance

1. An operating permit may be revoked if the control equipment is not operating.
2. An operating permit may be revoked by the Director upon determining that there has been a violation of NAC 445B.001 to 445B.390, inclusive, or the provisions of 40 CFR 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. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.
4. To reissue a revoked operating permit, the holder of the revoked permit must file a new application with the Director, accompanied by the fee for an initial operating permit as specified in NAC 445B.327. An environmental review of the stationary source must be conducted as though construction had not yet commenced.

[8] State only requirements (only Nevada has authority to enforce).
[9] State only requirements (only Nevada has authority to enforce).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section I. General Conditions (continued)

R. NAC 445B.3405(1)(d)
The Permittee shall record:
1. Monitoring information required by the conditions of this permit 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.

S. NAC 445B.3405(1)(e)
The Permittee shall:
1. Promptly report to the Director all deviations from the requirements of this operating permit; and
2. Report to the Director the probable cause of all deviations and any action taken to correct the deviations. For this operating permit, prompt is defined as submittal of a report within 15 days of the deviation. This definition does not alter any reporting requirements as established for reporting of excess emissions as required under NAC 445B.232, or for reporting of an emergency (as defined by NAC 445B.326); and
3. Submit reports of any required monitoring every 6 months, within 8 weeks after June 30 and December 31 of each calendar year. The reports must contain a summary of the data collected as required by all monitoring, recordkeeping and compliance requirements and as specified in this operating permit.

T. NAC 445B.3405(1)(j)
The Permittee shall submit a compliance certification annually,[10] or more frequently if required by an applicable requirement, to the Director. A copy of the compliance certification must be submitted to the Administrator. A compliance certification must include:
1. An identification of each term or condition of the operating permit that is the basis of the certification;
2. The status of the stationary source's compliance with any applicable requirement;
3. A statement of whether compliance was continuous or intermittent;
4. The method used for determining compliance; and
5. Any other facts the Director determines to be necessary to determine compliance.

U. NAC 445B.3443
Renewal of permit
1. All Class I operating permits must be renewed 5 years after the date of issuance.
2. A complete application for the renewal of a Class I operating permit must be submitted to the Director on the form provided by the Director with the appropriate fee at least 240 days, but not earlier than 18 months, before the expiration date of the current Class I operating permit for stationary sources.[11]
3. Applications for the renewal of a Class I operating permit must comply with all requirements for the issuance of an initial Class I operating permit as specified in NAC 445B.3395.
4. If an application for the renewal of a Class I operating permit is submitted in accordance with NAC 445B.3443(2), the stationary source may continue to operate under the conditions of the existing Class I operating permit until the Class I operating permit is renewed or the application for renewal is denied.
5. If an application for the renewal of a Class I operating permit is not submitted in accordance with NAC 445B.3443(2):
   a. The stationary source may be required to cease operation when the Class I operating permit expires; and
   b. The Permittee of the stationary source:
      (1) Must apply for the issuance of a new Class I operating permit pursuant to NAC 445B.3375; and
      (2) May not recommence the operation until the new Class I operating permit is issued.
6. The fee for the issuance of a new Class I operating permit or the renewal of a Class I operating permit is specified in NAC 445B.327.

[10] The Permittee shall submit the compliance certification on or before March 1.
[11] The Director shall determine whether the application is complete within 60 days of receipt of the application (NAC 445B.3395). It is recommended the Permittee submit the application at least 300 days before the expiration date of the current Class I operating permit.

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Section I. General Conditions (continued)

V. Nevada Revised Statute (NRS) 445B.470
Prohibited acts; penalty; establishment of violation; request for prosecution

1. A person shall not knowingly:
   a. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
   b. Fail to pay any fee;
   c. Falsify any material statement, representation or certification in any notice or report; or
   d. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
2. Any person who violates any provision of NRS 445B.470(1) shall be punished by a fine of not more than $10,000 for each day of the violation.
3. The burden of proof and degree of knowledge required to establish a violation of subsection 1 are the same as those required by 42 U.S.C. § 7413(c), as that section existed on October 1, 1993.
4. If, in the judgment of the Director of the Department or the Director's designee, any person is engaged in any act or practice which constitutes a criminal offense pursuant to NRS 445B.100 to 445B.640, inclusive, the Director of the Department or the designee may request that the Attorney General or the district attorney of the county in which the criminal offense is alleged to have occurred institute by indictment or information a criminal prosecution of the person.
5. If, in the judgment of the control officer of a local air pollution control board, any person is engaged in such an act or practice, the control officer may request that the district attorney of the county in which the criminal offense is alleged to have occurred institute by indictment or information a criminal prosecution of the person.

W. ASIP NAC Article 2.5.4
Breakdown or upset, determined by the Director to be unavoidable and not the result of careless or marginal operations, shall not be considered a violation of these regulations.

X. 40 CFR 52.21(r)(4)
At such time that the Permittee becomes a major stationary source or major modification solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of 40 CFR Part 52.21 paragraphs (j) through (s) of this section shall apply to the source or modification as though construction had not yet commenced on the source or modification.

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

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions

A. Notification (NAC 445B.250; NAC 445B.3405)
The Permittee shall notify the Director in writing of the following:
System 34A through 34F (PF1.047 and PF1.048, and S2.134 – S2.167) – added on March 28, 2025 **and System 20 (S2.196 and S2.197), System 21 (S2.198 and S2.199) and System 38 through 46 (S2.182 through S2.195) –** added on DRAFT.

1. The date construction (or reconstruction as defined under NAC 445B.247) of the affected facility is commenced, postmarked no later than 30 days after such date. This requirement shall not apply in the case of mass-produced facilities which are purchased in completed form.
2. The anticipated date of initial startup of an affected facility, postmarked no more than 60 days and no less than 30 days prior to such date.
3. The actual date of initial startup of the affected facility, postmarked within 15 days after such date.
4. The date upon which demonstration of the continuous monitoring system performance commences in accordance with NAC 445B.256 to 445B.267, inclusive. Notification must be postmarked not less than 30 days before such date.

B. Initial Opacity Compliance Demonstration and Initial Performance Tests

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below:

Table II-1: Initial Opacity Compliance Demonstration

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 15A – #2 Kiln Circuit (Alternate Operating Scenario - Natural Gas)	S2.062 through S2.067 and S2.127	Opacity	Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
System 15B – #2 Kiln Circuit (Alternate Operating Scenario – Coal or Coal/Coke Blend, Carpet)	S2.062 through S2.067, S2.118 through S2.123, and S2.127		
System 34A – Finish Mill #4 – Dump to Hopper	PF1.047 and PF1.048		

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-1: Initial Opacity Compliance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 34B – Finish Mill #4 (Pozzolan Truck Dump Baghouse #3)	S2.134 and S2.135	Opacity	Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
System 34C – Finish Mill #4 (Conveyor to Bucket Elevator Baghouse #4)	S2.136 through S2.138		
System 34D – Finish Mill #4 (Conveyor Transfer Baghouse #2)	S2.139 through S2.148		
System 34E – Finish Mill #4 (Feed Mill Bins Baghouse #1 – North and South)	S2.149 through S2.164		
System 34F – Finish Mill #4 (Gebr. Pfeiffer Mill)	S2.165A through S2.167A		

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-1: Initial Opacity Compliance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 34F – Finish Mill #4 (Cemengal FLS Mill)	S2.165B through S2.167B	Opacity	Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
System 37 – Carpet Shredding Operations	S2.170 through S2.179		
System 38 – New Railcar Cement Unloading System (DC-001)	S2.182 and S2.183		
System 39 – New Railcar Cement Unloading System (DC-002)	S2.184		
System 40 – New Railcar Cement Unloading System (DC-003)	S2.185 and S2.186		
System 41 – New Railcar Cement Unloading System (DC-004)	S2.187		

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-1: Initial Opacity Compliance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 42 – New Railcar Cement Unloading System (DC-005)	S2.188 and S2.189	Opacity	Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise e specified by an applicable subpart.
System 43 – New Railcar Cement Unloading System (DC-006)	S2.190		
System 44 – New Railcar Cement Unloading System (DC-007)	S2.191 and S2.192		
System 45 – New Railcar Cement Unloading System (DC-008)	S2.193 and S2.194		
System 46 – New Railcar Cement Unloading System (DC-009)	S2.195		
System 47 – LNB Emergency Generator	S2.200		

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Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 06 – #1 Raw Mill (Alternate Operating Scenario – #2 Fuel Oil)	S2.017 through S2.022	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered PM2.5 for determination of compliance.
System 12 – #2 Raw Mill System (Alternate Operating Scenario – #2 Fuel Oil)	S2.050 through S2.054	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered PM2.5 for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 12A – #2 Raw Mill System – Used as Finish Mill (Alternate Operating Scenario – Natural Gas)	S2.050 through S2.054	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered PM2.5 for determination of compliance.
System 20 – Cement Storage Silo	S2.085, S2.196 and S2.197	$PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 21 – Cement Bulk Loading	S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199		

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Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 34B – Finish Mill #4 (Pozzolan Truck Dump Baghouse #3)	S2.134 and S2.135	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 34C – Finish Mill #4 (Conveyor to Bucket Elevator Baghouse #4)	S2.136 through S2.138	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 34D – Finish Mill #4 (Conveyor Transfer Baghouse #2)	S2.139 through S2.148	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 34E – Finish Mill #4 (Feed Mill Bins Baghouse #1)	S2.149 through S2.164	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 34F – Finish Mill #4 (Gebr. Pfeiffer Mill)	S2.165A through S2.167A	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 34F – Finish Mill #4 (Cemengal FLS Mill	S2.165B through S2.167B	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 37 – Carpet Shredding Operations	S2.170 through S2.179	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM10 and PM2.5 emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered PM2.5 for determination of compliance.
System 38 – New Railcar Cement Unloading System (DC-001)	S2.182 and S2.183	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM10 and PM2.5 emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered PM2.5 for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 39 – New Railcar Cement Unloading System (DC-002)	S2.184	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 40 – New Railcar Cement Unloading System (DC-003)	S2.185 and S2.186	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 41 – New Railcar Cement Unloading System (DC-004)	S2.187	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 42 – New Railcar Cement Unloading System (DC-005)	S2.188 and S2.189	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 43 – New Railcar Cement Unloading System (DC-006)	S2.190	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 44 – New Railcar Cement Unloading System (DC-007)	S2.191 and S2.192	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions. The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

1. Under the authority of NAC 445B.22017, NAC 445B.252, and NAC 445B.3405, the Permittee, upon issuance of this operating permit, shall conduct and record initial opacity compliance demonstrations and/or initial performance tests 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. The Permittee shall follow the test methods and procedures referenced in **Table II-1 and Table II-2** below: (continued)

Table II-2: Initial Performance Demonstration (continued)

System	Emission Units	Pollutant To Be Tested	Testing Methods/Procedures
System 45 – New Railcar Cement Unloading System (DC-008)	S2.193 and S2.194	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
System 46 – New Railcar Cement Unloading System (DC-009)	S2.195	PM	Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
		$PM_{10}/PM_{2.5}$	Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Section II. Construction Conditions (continued)

B. Initial Opacity Compliance Demonstration and Initial Performance Tests (continued)

2. All initial opacity compliance demonstrations and initial performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All initial performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
3. Testing shall be conducted on the exhaust stack (post controls).
4. Initial opacity compliance demonstrations and initial performance tests in **Table II-1 and Table II-2** above, 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 Permittee shall make available to the Director such records as may be necessary to determine the conditions of the initial opacity compliance demonstrations and initial performance tests. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of the initial opacity compliance demonstrations and initial performance tests unless otherwise specified in the applicable standard. (NAC 445B.252(3))
5. The Permittee shall give notice to the Director 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to have an observer present. A written testing procedure must be submitted to the Director at least 30 days before the initial opacity compliance demonstrations and initial performance tests to allow the Director to review the proposed testing procedures. (NAC 445B.252(4) and 40 CFR Part 60.7(a)(6))
6. Within 60 days after completing the initial opacity compliance demonstrations and initial performance tests contained in **Table II-1 and Table II-2** of this section, the Permittee shall furnish the Director a written report of the results. 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 to 445B.3689, inclusive. (NAC 445B.252(8))
7. Initial opacity compliance demonstrations and initial performance tests required under this section that are conducted below the maximum allowable throughput, shall be subject to the Director's review to determine if the throughputs during initial opacity compliance demonstrations and initial performance tests sufficient to provide adequate compliance demonstration. Should the Director determine that the initial opacity compliance demonstrations and initial performance tests do not provide adequate compliance demonstration, the Director may require additional testing.

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

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Section III. Ambient Air Monitoring Requirements

A. Not Applicable.

******End of Ambient Air Monitoring Requirements******

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Section IV. Specific Operating Conditions

A. Emission Unit PF1.001

System 01 – Limestone Truck Dump		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.001	Limestone Truck Unloading to Primary Crusher Hopper 101	4,388,201	305,806

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.001** shall be controlled by a **Wet Dust Suppression with Chemical Surfactant**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.001** shall not exceed **350.0** tons of **calcium, alumina, silica, iron, gypsum, pozzolan** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.001** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.001** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.26** pounds per hour, nor more than **1.15** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.096** pounds per hour, nor more than **0.42** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.064** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.001** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.001** shall not exceed **64.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.001** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.001** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.001** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **weekly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

B. Emission Units S2.002, S2.004, and S2.005

System 02 – Primary Crusher Circuit		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.002	Primary Crusher 102 and associated transfers (In from Primary Crusher Hopper 101, Conveyor 104, or Conveyor 107, Out to Apron Feeder 103 or Drag Chain Conveyor 103-1)	4,388,206	305,734
S2.004	Apron Feeder 103 transfer to Conveyor 104		
S2.005	Drag Chain Conveyor 103-1 transfer to Conveyor 104 [Baghouse DC-105 transfer to Screw Conveyor to Feeder 105-1 to Rotary Feeder 105-1A to Screw Conveyor 105-2 to Raw Mill Dust Bin. Raw Mill Dust Bin transfer to Screw Conveyor 220-6 to Transfer Pump 213 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.002, S2.004, and S2.005** shall be controlled by **Baghouse (DC-105)**.
   b. Descriptive Stack Parameters
      Stack Height: 30.9 feet
      Stack Diameter: 2.02 feet
      Stack Temperature: Ambient
      Exhaust Flow: 14,074.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.002, S2.004, and S2.005, each,** shall not exceed **350.0** tons of **calcium, alumina, silica, iron, gypsum, pozzolan** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.002, S2.004, and S2.005, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.50** pounds per hour, nor more than **15.3** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.50** pounds per hour, nor more than **15.3** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.75** pounds per hour, nor more than **3.29** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-105)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.002, S2.004, and S2.005, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

B. Emission Units S2.002, S2.004, and S2.005 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.002, S2.004, and S2.005, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.002, S2.004, and S2.005, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.002, S2.004, and S2.005** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.002, S2.004, and S2.005** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

C. Emission Units S2.008, S2.012, S2.015, S2.108, and S2.109

Systems 03 and 04 – Secondary Screening Circuit and Secondary Crushing Circuit		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.008	Shaker Screen 106-1 and associated transfers (In from Conveyor 104 or Conveyor 106-4, Out to Conveyor 107, Conveyor 108, or Conveyor 106-2)	4,388,164	305,762
S2.012	Conveyor 106-2 transfer to Conveyor 106-3		
S2.015	Secondary Crusher 106 and associated transfers (In from Conveyor 106-3, Out to Conveyor 106-4) [Baghouse DC-108-8 transfer to Screw Conveyor 108-3 to Incline Screw Conveyor 108-6 is 100% Fully Enclosed]		
S2.108	Incline Screw Conveyor 108-6 transfer to Belt Conveyor 108		
S2.109	Reversing Belt Conveyor 106-2 transfer to Return Belt Conveyor 107		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.008, S2.012, S2.015, S2.108, and S2.109** shall be controlled by **Baghouse (DC-108-4)**.
   b. Descriptive Stack Parameters
      Stack Height: 35.01 feet
      Stack Diameter: 2.59 feet
      Stack Temperature: Ambient
      Exhaust Flow: 20,573.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.008, S2.012, S2.015, S2.108, and S2.109, each,** shall not exceed **350.0** tons of **calcium, alumina, silica, iron, gypsum, pozzolan** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.008, S2.012, S2.015, S2.108, and S2.109, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC 108-4)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.05** pounds per hour, nor more than **17.8** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.05** pounds per hour, nor more than **17.8** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.01** pounds per hour, nor more than **4.44** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-108-4)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.008, S2.012, S2.015, S2.108, and S2.109, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

C. Emission Units S2.008, S2.012, S2.015, S2.108, and S2.109 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.008, S2.012, S2.015, S2.108, and S2.109, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.008, S2.012, S2.015, S2.108, and S2.109, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.008, S2.012, S2.015, S2.108, and S2.109** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.008, S2.012, S2.015, S2.108, and S2.109** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

D. Emission Units PF1.002 and PF1.003

System 05A – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.002	Conveyor 108 Feed End Chute	4,388,126	305,799
PF1.003	Conveyor 108 transfer to Conveyor 115 via Sampler Return Conveyor 118	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.002 and PF1.003, each,** shall be controlled by **Wet Dust Suppression with Chemical Surfactant**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.002 and PF1.003, each,** shall not exceed **350.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.002 and PF1.003, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.002 and PF1.003, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.26** pounds per hour, nor more than **1.15** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.096** pounds per hour, nor more than **0.42** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.064** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.002 and PF1.003, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.002 and PF1.003, each,** shall not exceed **64.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.002 and PF1.003, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.002 and PF1.003, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.002 and PF1.003, each,** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

D. Emission Units PF1.002 and PF1.003 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. The Permittee of any affected facility that uses wet suppression to control emissions from the affected facility must perform **weekly** periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The Permittee must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the Permittee finds that water is not flowing properly during an inspection of the water spray nozzles. The Permittee must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

E. Emission Unit PF1.004

System 05B – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.004	Overhead Crane 109 transfer to Storage Bins (Limestone)	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.004** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.004** shall not exceed **350.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.004** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.004** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.53** pounds per hour, nor more than **2.30** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.19** pounds per hour, nor more than **0.84** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.029** pounds per hour, nor more than **0.13** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.004** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.004** shall not exceed **64.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.004** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.004** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.004** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

F. Emission Units PF1.005 and PF1.006

System 05C – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.005	Overhead Crane 109 transfer to Storage Bin (Iron Ore)	4,388,126	305,799
PF1.006	Overhead Crane 109 transfer to Storage Bin (Clay)	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.005 and PF1.006, each,** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.005 and PF1.006, each,** shall not exceed **100.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.005 and PF1.006, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.005 and PF1.006, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.66** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.055** pounds per hour, nor more than **0.24** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0083** pounds per hour, nor more than **0.036** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.005 and PF1.006, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.005 and PF1.006, each,** shall not exceed **51.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.005 and PF1.006, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.005 and PF1.006, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

F. Emission Units PF1.005 and PF1.006 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Inspect the enclosure installed on **PF1.005 and PF1.006, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

G. Emission Units PF1.035 and PF1.036

System 05D – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.035	Iron Ore Weigh Feeder 203 transfer to Belt Conveyor 204	4,388,126	305,799
PF1.036	Clay Weigh Feeder 202 transfer to Belt Conveyor 204	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.035 and PF1.036, each,** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.035 and PF1.036, each,** shall not exceed **80.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.035 and PF1.036, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.035 and PF1.036, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.044** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0067** pounds per hour, nor more than **0.029** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.035 and PF1.036, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.035 and PF1.036, each,** shall not exceed **49.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.035 and PF1.036, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.035 and PF1.036, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.035 and PF1.036, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

H. Emission Units PF1.037 through PF1.041

System 05E – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.037	Limestone Weigh Feeder 1902 transfer to Belt Conveyor 1907	4,388,126	305,799
PF1.038	Limestone Weigh Feeder 1903 transfer to Belt Conveyor 1907 via Screw Conveyor 220-6	4,388,126	305,799
PF1.039	Limestone Weigh Feeder 1904 transfer to Belt Conveyor 1907	4,388,126	305,799
PF1.040	Limestone Weigh Feeder 1905 transfer to Belt Conveyor 1907	4,388,126	305,799
PF1.041	Limestone Weigh Feeder 1906 transfer to Belt Conveyor 1907 [Belt Conveyor 1907 transfer to Bucket Elevator 1908 is 100% Fully Enclosed]	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.037 through PF1.041, each,** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.037 through PF1.041, each,** shall not exceed **55.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.037 through PF1.041, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.037 through PF1.041, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.083** pounds per hour, nor more than **0.36** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.030** pounds per hour, nor more than **0.13** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0046** pounds per hour, nor more than **0.020** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.037 through PF1.041, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.037 through PF1.041, each,** shall not exceed **45.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.037 through PF1.041, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.037 through PF1.041, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

H. Emission Units PF1.037 through PF1.041 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

f. Inspect the enclosure installed on **PF1.037 through PF1.041, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

I. Emission Unit PF1.042

System 05F – Raw Material Storage		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.042	Belt Conveyor 111-1 transfer to Belt Conveyor 111-2	4,388,126	305,799

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.042** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.042** shall not exceed **200.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.042** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.042** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **1.31** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.017** pounds per hour, nor more than **0.073** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.042** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.042** shall not exceed **58.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.042** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.042** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.042** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

J. Emission Units S2.017 through S2.022

System 06 – #1 Raw Mill (Primary Operating Scenario – Natural Gas)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **80.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. **S2.022** may consume only **natural gas**.
   c. Descriptive Operating Parameters, **S2.022**
      (1) Heat Input rate: 14 MMBtu per hour
      (2) Maximum Fuel Consumption Rate: 13,462.0 standard cubic feet (scf) per hour
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC 210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **8.07** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.53** pounds per hour, nor more than **0.83** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.82** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

J. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.55** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **9.80** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **49.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Maintain purchase records of natural gas to determine fuel consumption rate for **S2.022** for each calendar month.
   b. Calcium, alumina, iron, silica
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

J. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   g. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   h. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   i. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Section IV. Specific Operating Conditions (continued)

J. Emission Units S2.017 through S2.022 (continued)

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.017 through S2.022**, as listed in **Table J -1** below:

Table J -1:
Part 64 CAM Monitoring for the controls on S2.017 through S2.022

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Section IV. Specific Operating Conditions (continued)

K. Emission Units S2.017 through S2.022

System 06 – #1 Raw Mill (Alternate Operating Scenario – #2 Fuel Oil)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.022** may consume **#2 fuel oil** as the secondary fuel in the event of natural gas curtailment, or for economic reasons.
   b. The maximum allowable fuel consumption rate for **S2.022** shall not exceed **75.29 gallons** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **80.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.
      (2) **S2.017 through S2.022, each,** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **2.76** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.53** pounds per hour, nor more than **0.83** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.82** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

K. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.59** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **7.38** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **49.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. #2 Fuel Oil
      (1) Monitor and record the consumption rate of **#2 fuel oil** for each calendar day for **S2.022** (in **gallons**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in gallons per hour) for **S2.022** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
   b. Calcium, alumina, iron, silica
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

K. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

L. Emission Units S2.017 through S2.022

System 06A – #1 Raw Mill – Used as Finish Mill (Alternate Operating Scenario – Natural Gas)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.022** may consume only **natural gas**.
   b. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **65.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   c. Descriptive Operating Parameters, **S2.022**
      (1) Heat Input rate: 14 MMBtu per hour
      (2) Maximum Fuel Consumption Rate: 13,462.0 standard cubic feet (scf) per hour
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC 210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **8.07** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.0081** pounds per hour, nor more than **0.035** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.35** pounds per hour, nor more than **5.90** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **4.95** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.074** pounds per hour, nor more than **0.32** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

L. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.55** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **9.80** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **47.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Maintain purchase records of natural gas to determine fuel consumption rate for **S2.022** for each calendar month.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

L. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   g. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   h. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   i. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Section IV. Specific Operating Conditions (continued)

L. Emission Units S2.017 through S2.022 (continued)

6. Federal Requirements
Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.017 through S2.022**, as listed in **Table L -1** below:

Table L -1:
Part 64 CAM Monitoring for the controls on S2.017 through S2.022

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Section IV. Specific Operating Conditions (continued)

M. Emission Units S2.017 through S2.022

System 06A – #1 Raw Mill – Used as Finish Mill (Alternate Operating Scenario – #2 Fuel Oil)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.022** may consume **#2 fuel oil** as the secondary fuel in the event of natural gas curtailment, or for economic reasons.
   b. The maximum allowable fuel consumption rate for **S2.022** shall not exceed **75.29 gallons** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **65.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.
      (2) **S2.017 through S2.022, each,** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **2.76** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.53** pounds per hour, nor more than **0.83** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.82** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

M. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.59** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **7.38** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **47.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. #2 Fuel Oil
      (1) Monitor and record the consumption rate of **#2 fuel oil** for each calendar day for **S2.022** (in **gallons**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in gallons per hour) for **S2.022** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

M. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days of the exceedance of 50 hours, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

N. Emission Units S2.017 through S2.022

System 06B – #1 Raw Mill – Used as Pre-Grind Mill (Alternate Operating Scenario – Natural Gas)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (14 MMBtu/hr Natural Gas)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.022** may consume only **natural gas**.
   b. The maximum fuel consumption rate for **S2.022** shall be **13,462.0 standard cubic feet (scf)** per hour or **14 MMBtu** per hour.
   c. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **33.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **26.3** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **8.07** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.0081** pounds per hour, nor more than **0.035** tons per 12-month rolling period.
   e. The discharge of **NOx** (oxides of nitrogen) to the atmosphere shall not exceed **1.35** pounds per hour, nor more than **5.90** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **4.95** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.074** pounds per hour, nor more than **0.32** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.55** pounds per MMBtu.

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Section IV. Specific Operating Conditions (continued)

N. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **9.80** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **40.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Maintain purchase records of natural gas to determine fuel consumption rate for **S2.022** for each calendar month.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

N. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days of the exceedance of 50 hours, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   g. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   h. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   i. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

N. Emission Units S2.017 through S2.022 (continued)

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.017 through S2.022**, as listed in **Table N -1** below:

Table N -1:
Part 64 CAM Monitoring for the controls on S2.017 through S2.022

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

O. Emission Units S2.017 through S2.022

System 06B – #1 Raw Mill – Used as Pre-Grind Mill (Alternate Operating Scenario – #2 Fuel Oil)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.017	Conveyor 204 transfer to Bucket Elevator 205 [#1 Raw Mill 208 transfer to Bucket Elevator 205 via Air Slide 209-2 is 100% Fully Enclosed]	4,388,096	305,776
S2.018	Bucket Elevator 205 transfer to Air Separator 206 via Separator Feed Screw Conveyor 206-1		
S2.019	Air Separator 206 to Air Slide 207		
S2.020	Air Slide 207 transfer to Pump 213		
S2.021	#1 Raw Mill 208		
S2.022	Heater 211 (10.54 MMBtu/hr #2 Fuel Oil)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.017 through S2.022** shall be controlled by **Baghouse (DC-210)**.
   b. Descriptive Stack Parameters
      Stack Height: 69.9 feet
      Stack Diameter: 2.99 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 22,650.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.022** may consume **#2 fuel oil** as the secondary fuel in the event of natural gas curtailment, or for economic reasons.
   b. The maximum allowable fuel consumption rate for **S2.022** shall not exceed **75.29 gallons** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.017 through S2.021, each,** shall not exceed **33.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.017 through S2.022, each,** may operate a total of **24** hours per day.
      (2) **S2.017 through S2.022, each,** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **6.00** pounds per hour, nor more than **9.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.84** pounds per hour, nor more than **2.76** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.53** pounds per hour, nor more than **0.80** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.82** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-210)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

O. Emission Units S2.017 through S2.022 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-210)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.022** shall not exceed **0.59** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.022** shall not exceed **7.38** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.017 through S2.021, each,** shall not exceed **40.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. #2 Fuel Oil
      (1) Monitor and record the consumption rate of **#2 fuel oil** for each calendar day for **S2.022** (in **gallons**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in gallons per hour) for **S2.022** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.017 through S2.021, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.017 through S2.021** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.017 through S2.022, each,** for each calendar day.
   d. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.017 through S2.022** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.017 through S2.022** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

O. Emission Units S2.017 through S2.022 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days of the exceedance of 50 hours and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

P. Emission Units S2.023 and S2.024

System 07 – Blending Operations Storage Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.023	Pump 213 transfer to Blending and Storage Silos 300-7	4,387,962	305,829
S2.024	Pump Storage Silo to East or West Storage Silos		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.023 and S2.024** shall be controlled by **Baghouse (DC-305)**.
   b. Descriptive Stack Parameters
      Stack Height: 99.3 feet
      Stack Diameter: 1.65 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 3,665.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.023 and S2.024, each,** shall not exceed **135.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.023 and S2.024, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.97** pounds per hour, nor more than **4.24** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.97** pounds per hour, nor more than **4.24** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.39** pounds per hour, nor more than **1.69** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-305)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.023 and S2.024, each,** shall not exceed **54.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.023 and S2.024, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.023 and S2.024, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

P. Emission Units S2.023 and S2.024 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.023 and S2.024** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.023 and S2.024** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

Q. Emission Units S2.025 through S2.029 and S2.179 through S2.181

System 08 – #1 Kiln Feed System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.025	Pump Storage Silos transfer to Kiln Feed Bin 401	4,387,968	305,826
S2.026	Kiln Feed Bin 401 transfer to Air Slide A		
S2.179	Air Slide A transfer to Weigh Feeder A		
S2.180	Weigh Feeder A transfer to Air Slide 401-1		
S2.027	Air Slide 401-1 transfer to Bucket Elevator 402		
S2.028	Bucket Elevator 402 transfer to Constant Head Feeder 404		
S2.029	Constant Head Feeder 404 transfer to Kiln #1 406		
S2.181	Air Slide A through By-Pass Chute to Air Slide 401-1		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.025 through S2.029 and S2.179 through S2.181** shall be controlled by **Baghouse (DC-405)**.
   b. Descriptive Stack Parameters
      Stack Height: 51.9 feet
      Stack Diameter: 1.0 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 3,260.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.025 through S2.029 and S2.179 through S2.181, each,** shall not exceed **47.0** tons of **kiln feed** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.025 through S2.029 and S2.179 through S2.181, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-405)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.86** pounds per hour, nor more than **3.77** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.86** pounds per hour, nor more than **3.77** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **2.83** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-405)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.025 through S2.029 and S2.179 through S2.181, each,** shall not exceed **44.0** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

Q. Emission Units S2.025 through S2.029 and S2.179 through S2.181 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.025 through S2.029 and S2.179 through S2.181, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.025 through S2.029 and S2.179 through S2.181, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.025 through S2.029 and S2.179 through S2.181** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.025 through S2.029 and S2.179 through S2.181** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

R. Emission Units S2.030 through S2.038 and S2.129

System 09 – #1 Kiln Circuit (Primary Operating Scenario - Coal or Coal/Coke Blend) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,914	305,825
S2.031	Coal Mill 805		
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1		
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4 [or Screw Conveyor 416-1 to Bucket Elevator 402 is 100% Fully Enclosed]		
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4		
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4		
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414		
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]		
S2.038	Bucket Elevator 414 transfer to Kiln #1 406		
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.030 through S2.038 and S2.129** shall be controlled by the following:
      (1) **Baghouse (DC-419)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NOx Burner on S2.030** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 54,868.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable fuel feed rate for **S2.031** shall not exceed **7.5** tons of **coal or coal/coke blend** per clock hour.
   b. The maximum allowable fuel consumption rate for **S2.030** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The **#1 Kiln Circuit** may consume the following fuels under the following conditions:
      (1) 100% **coal or a combination of coal, coke, and natural gas** may be consumed at all times.
      (2) **Non-hazardous used oils and greases** generated solely by the facility may be consumed at a maximum feed rate not to exceed **5.0** gallons per clock hour.
      (3) **Non-hazardous hydrocarbon contaminated soils** generated solely by the facility may be consumed at a maximum feed rate not to exceed **2.5** tons per clock hour.
   d. The maximum allowable production rate for **System 09** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.
   e. The maximum allowable throughput rate for **S2.129** shall not exceed **70.0** tons of **cement kiln dust** per hour, averaged over a calendar day, nor more than **210,000.0** tons per 12-month rolling period.
   f. Hours
      (1) **S2.030 through S2.038, each,** may operate a total of **24** hours per day.
      (2) **S2.129** may operate a total of **8** hours per day.
      (3) **S2.129** may operate a total of **3,000** hours per 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

R. Emission Units S2.030 through S2.038 and S2.129 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-419)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
   e. Consent Decree Limit - The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
   f. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **475.8** pounds per hour, nor more than **2,084.2** tons per 12-month rolling period.
   g. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **8.96** pounds per ton of clinker produced, based on a 30-day rolling average.
   h. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **36.4** pounds per hour, nor more than **159.3** tons per 12-month rolling period.
   i. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **16.1** pounds per hour, nor more than **70.4** tons per 12-month rolling period.
   j. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-419)** shall not equal or exceed **20** percent.
   k. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.030** shall not exceed **0.31** pounds per MMBtu.
   l. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.030** shall not exceed **130.2** pounds per hour.
   m. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.031 through S2.038, each,** shall not exceed **40.1** pounds per hour.
   n. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.129** shall not exceed **47.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.030 through S2.038 and S2.129, each,** for each clock hour.
   b. Record the monthly hours of operation for **S2.129** and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   c. Coal or Coal/Coke Blend
      (1) Monitor and record the feed rate of **coal or coal/coke blend** (in tons) for each clock hour for **S2.031** by use of a weigh belt.
      (2) Record the feed rates of **coal or coal/coke blend** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
      (3) Conduct and record an ASTM Method D5865 to determine heat content of the coal or coke for **S2.031** on each delivery.

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Section IV. Specific Operating Conditions (continued)

R. Emission Units S2.030 through S2.038 and S2.129 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

d. Non-Hazardous Used Oils and Greases
(1) Monitor and record the feed rate of **non-hazardous used oils and greases** (in gallons) for each clock hour for **S2.031** by use of a fuel pump rate.
(2) Record the feed rates of **non-hazardous used oils and greases** (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
(3) Upon delivery of the fuel, monitor and record the test results verifying non-hazardous conditions of the used oils and greases. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the used oils and greases meeting the standards set forth in 40 CFR 279.11.

e. Non-Hazardous Hydrocarbon Contaminated Soils
(1) Monitor and record the feed rate of **non-hazardous hydrocarbon contaminated soils** (in tons) for each clock hour for **S2.031** by use of a weigh feeder system.
(2) Record the feed rates of **non-hazardous hydrocarbon contaminated soils** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
(3) Monitor and record the amount of hydrocarbon contaminated soils processed and location of hydrocarbon contaminated soils generated.
(4) Upon delivery of the fuel, monitor and record the test results verifying non-hazardous conditions of the hydrocarbon contaminated soils. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the hydrocarbon contaminated soils meeting the standards set forth in 40 CFR 279.11.

f. Natural Gas
(1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.030** by use of a fuel flow meter.
(2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.

g. Clinker
(1) Monitor and record the production rate for **System 09** for each calendar day.
(2) Record the average hourly production rate (in tons per hour) for **System 09** using the total daily production rate and total daily hours of operation.
(3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

h. Cement Kiln Dust
(1) Monitor and record the throughput for **S2.129** for each calendar day.
(2) Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
(3) Record the throughput material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

i. Inspect the baghouse installed on **System 09** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

j. Inspect the SNCR installed on **System 09** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.

k. The Permittee shall conduct and record a **weekly** Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

R. Emission Units S2.030 through S2.038 and S2.129 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the anniversary date of the previous initial performance testing or annual performance testing, and annually thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   g. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   h. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Part 60
      (1) The Permittee, upon issuance of this operating permit, shall comply with the SO_2 and NO_X, CEMS requirements set forth in **Section VII** of this operating permit.
      (2) The Permittee, upon issuance of this operating permit, shall comply with the THC CEMS requirements set forth in 40 CFR 63.1350(i) of Subpart LLL.
   c. United States EPA Consent Decree
   The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Section IV. Specific Operating Conditions (continued)

S. Emission Units S2.030 through S2.038 and S2.129

System 09A – #1 Kiln Circuit (Alternate Operating Scenario – Natural Gas) - Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,914	305,825
S2.031	Coal Mill 805		
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1		
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4 [or Screw Conveyor 416-1 to Bucket Elevator 402 is 100% Fully Enclosed]		
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4		
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4		
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414		
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]		
S2.038	Bucket Elevator 414 transfer to Kiln #1 406		
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.030 through S2.038** shall be controlled by the following:
      (1) **Baghouse (DC-419)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NOx Burner on S2.030** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 54,868.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.030** may consume only **natural gas**.
   b. The maximum allowable fuel consumption rate for **S2.030** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The maximum allowable production rate for **System 09A,** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.
   d. The maximum allowable throughput rate for **S2.129** shall not exceed **70.0** tons of **cement kiln dust** per hour, averaged over a calendar day, nor more than **210,000.0** tons per 12-month rolling period.
   e. Hours
      (1) **S2.030 through S2.038, each,** may operate a total of **24** hours per day.
      (2) **S2.129** may operate a total of **8** hours per day.
      (3) **S2.129** may operate a total of **3,000** hours per 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

S. Emission Units S2.030 through S2.038 and S2.129 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-419)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
   e. Consent Decree Limit - The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
   f. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **475.8** pounds per hour, nor more than **2,084.2** tons per 12-month rolling period.
   g. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **8.96** pounds per ton of clinker produced, based on a 30-day rolling average.
   h. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **36.4** pounds per hour, nor more than **159.3** tons per 12-month rolling period.
   i. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **16.1** pounds per hour, nor more than **70.4** tons per 12-month rolling period.
   j. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-419)** shall not equal or exceed **20** percent.
   k. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.030** shall not exceed **0.31** pounds per MMBtu.
   l. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.030** shall not exceed **130.2** pounds per hour.
   m. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.031 through S2.038, each,** shall not exceed **40.1** pounds per hour.
   n. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.129** shall not exceed **47.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.030 through S2.038 and S2.129, each,** for each clock hour.
   b. Record the monthly hours of operation for **S2.129** and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   c. Natural Gas
      (1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.030** by use of a fuel flow meter.
      (2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

S. Emission Units S2.030 through S2.038 and S2.129 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   d. Clinker
      (1) Monitor and record the production rate for **System 09A** for each calendar day.
      (2) Record the average hourly production rate (in tons per hour) for **System 09A** using the total daily production rate and total daily hours of operation.
      (3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period
   e. Cement Kiln Dust
      (1) Monitor and record the throughput for **S2.129** for each calendar day.
      (2) Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
      (3) Record the throughput material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   f. Inspect the baghouse installed on **System 09A** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   g. Inspect the SNCR installed on **System 09A** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.
   h. The Permittee shall conduct and record a **weekly** Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the exceedance of 50 hours and annually thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   g. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

S. Emission Units S2.030 through S2.038 and S2.129 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1)) (continued)
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the exceedance of 50 hours and annually thereafter, in accordance with the following: (continued)
   h. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Parts 60
      (1) The Permittee, upon issuance of this operating permit, shall comply with the SO_2 and NO_X, CEMS requirements set forth in **Section VII** of this operating permit.
      (2) The Permittee, upon issuance of this operating permit, shall comply with the THC CEMS requirements set forth in 40 CFR 63.1350(i) of Subpart LLL.
   c. United States EPA Consent Decree
   The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129

System 09B – #1 Kiln Circuit (Alternate Operating Scenario - Coal or Coal/Coke Blend, Carpet) – Revised June 2025 (Air Case #11706)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.030	Kiln #1 406 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,914	305,825
S2.031	Coal Mill 805		
S2.032	Screw Conveyors 420-2 and 420-3 transfer to Screw Conveyor 420-1		
S2.033	Screw Conveyor 416 transfer to Screw Conveyor 420-4 [or Screw Conveyor 416-1 to Bucket Elevator 402 is 100% Fully Enclosed]		
S2.034	Screw Conveyor 414-1 transfer to Screw Conveyor 420-4		
S2.035	Screw Conveyor 420-1 transfer to Screw Conveyor 420-4		
S2.036	Screw Conveyor 420-4 transfer to Bucket Elevator 414		
S2.037	Rotary Feeder 417 transfer to Bucket Elevator 414 [Bucket Elevator 414 transfer to Screw Conveyor 414-2 to Feed Tank 401 is 100% Fully Enclosed]		
S2.038	Bucket Elevator 414 transfer to Kiln #1 406		
S2.112	Material transfer to Receiving Bins		
S2.113	Receiving Bin transfer to Belt Conveyors		
S2.114	Belt Conveyors transfer to Incline Belt to Feed Hopper		
S2.115	Feed Hopper transfer to Material Weigher		
S2.116	Material Weigher to Material Handling Fan		
S2.117	Material Handling Fan through Duct to Kiln #1 Burner		
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.030 through S2.038, S2.112 through S2.117, and S2.129** shall be controlled by the following:
      (1) **Baghouse (DC-419)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NOx Burner on S2.030** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 54,868.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable fuel feed rate for **S2.031** shall not exceed **7.5** tons of **coal or coal/coke blend** per clock hour.
   b. The maximum allowable fuel consumption rate for **S2.030** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The maximum allowable feed rate for **S2.031** shall not exceed **2.5** tons of **post-consumer carpet** per clock hour.
   d. The **post-consumer carpet** shall meet the definition of solid waste as define in 40 CFR Part 241.2.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

2. Operating Parameters (NAC 445B.3405) (continued)

e. OPTC AP3241-3431, Air Case 7770 – The **post-consumer carpet** shall meet the following specifications:

Table IV-1: Post-Consumer Carpet Specifications

Test Parameter	Test Method	Test Description	Initial Value	Upper Limit	Lower Limit
Btu/lb	ASTM D5865	Average Heating Value	9,049	TBD	TBD
Proximate Analysis	ASTM D5142	Moisture, wt%	0.44	TBD	TBD
	ASTM D5142	Ash, wt%	9.14	TBD	TBD
	ASTM D5142	Volatile Matter, wt%	81.50	TBD	TBD
	ASTM D5142	Fixed Carbon, wt%	8.92	TBD	TBD
	ASTM D5142	Total	100.00	TBD	TBD
Ultimate Analysis	ASTM D3176	Moisture, wt%	0.44	TBD	TBD
	ASTM D5142/5373	Ash, wt%	9.14	TBD	TBD
	ASTM D5142/5373	Carbon, wt%	59.60	TBD	TBD
	ASTM D5142/5373	Hydrogen, wt%	4.35	TBD	TBD
	ASTM D5142/5373	Nitrogen, wt%	0.59	TBD	TBD
	ASTM D5142/5373	Sulfur, wt%	0.10	TBD	TBD
	ASTM D5142/5373	Oxygen, wt%	25.78	TBD	TBD
	ASTM D5142/5373	Total	100.00	TBD	TBD
Total Chlorine	ASTM D4208		TBD	TBD	TBD
Total Hydrocarbons	ASTM D4208	For Range C8 to C40	TBD	TBD	TBD
Metals by ICP	EPA SW846 6010	As, Be, Cd, Cr, Pb, Mn, Ni, Se	TBD	TBD	TBD
Total Mercury	EPA SW846 7471		TBD	TBD	TBD

f. The **#1 Kiln Circuit** may consume the following fuels under the following conditions:
   (1) **Post-consumer carpet** may be consumed at a maximum feed rate of **2.5** tons per clock hour and up to of **7.50** tons per clock hour of **coal or coal/coke blend**. The post-consumer carpet will meet the definition of solid waste as defined in 40 CFR Part 241.2.
   (2) **Natural gas** may be consumed with the coal or coal/coke blend.
   (3) **Non-hazardous used oils and greases** generated solely by the facility may be consumed at a maximum feed rate not to exceed **5.0** gallons per clock hour.
   (4) N**on-hazardous hydrocarbon contaminated soils** generated solely by the facility may be consumed at a maximum feed rate not to exceed **2.5** tons per clock hour.

g. The maximum allowable production rate for **System 09B** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.

h. The maximum allowable throughput rate for **S2.129** shall not exceed **70.0** tons of **cement kiln dust** per hour, averaged over a calendar day, nor more than **210,000.0** tons per 12-month rolling period.

i. Hours
   (1) **S2.030 through S2.038, and S2.112 through S2.117 each,** may operate a total of **24** hours per day.
   (2) **S2.129** may operate a total of **8** hours per day.
   (3) **S2.129** may operate a total of **3,000** hours per 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-419)** the following pollutants in excess of the following specified limits:

a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.77** pounds per hour, nor more than **12.2** tons per 12-month rolling period.
b. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **PM** to the atmosphere shall not exceed **13.5** milligram per dry standard cubic meter.
c. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **2.77** pounds per hour, nor more than **12.2** tons per 12-month rolling period.
d. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **2.77** pounds per hour, nor more than **12.2** tons per 12-month rolling period.
e. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
f. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **SO_2** to the atmosphere shall not exceed **600.0** parts per million by volume.
g. Consent Decree Limit - The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
h. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **251.3** pounds per hour, nor more than **1,100.8** tons per 12-month rolling period.
i. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **NO_X** to the atmosphere shall not exceed **630.0** parts per million by volume.
j. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **8.96** pounds per ton of clinker produced, based on a 30-day rolling average.
k. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **26.7** pounds per hour, nor more than **117.0** tons per 12-month rolling period.
l. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **CO** to the atmosphere shall not exceed **110.0** parts per million by volume.
m. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **8.37** pounds per hour, nor more than **36.7** tons per 12-month rolling period.
n. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-419)** shall not equal or exceed **20** percent.
o. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.030** shall not exceed **0.31** pounds per MMBtu.
p. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.030** shall not exceed **130.2** pounds per hour.
q. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.031 through S2.038, each,** shall not exceed **40.1** pounds per hour.
r. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.129** shall not exceed **47.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.

a. Monitor and record the hours of operation for **S2.030 through S2.038, S2.112 through S2.117, and S2.129, each,** for each clock hour.

b. Record the monthly hours of operation for **S2.129** and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.

c. Coal or Coal/Coke Blend

(1) Monitor and record the feed rate of **coal or coal/coke blend** (in tons) for each clock hour for **S2.031** by use of a weigh belt.

(2) Record the feed rates of **coal or coal/coke blend** (in tons) on a cumulative monthly basis, for each 12-month rolling period.

(3) Conduct and record an ASTM Method D5865 to determine heat content of the coal or coke on each delivery.d. Post-Consumer Carpet – OPTC AP3241-3431, Air Case 7770

(1) Monitor and record the feed rate of **post-consumer carpet** (in tons) for each clock hour for **S2.117** by use of a weigh feeder system.

(2) Record the feed rates of **post-consumer carpet** (in tons) on a cumulative monthly basis, for each 12-month rolling period.

(3) Conduct and record an ASTM D5865 to determine the average heating value (Btu) on a **quarterly** basis.

(4) Conduct and record an ASTM Methods D5142 (Proximate) and D3176 (Ultimate) to determine moisture content, ash content, volatile matter, fixed carbon content, carbon, hydrogen, nitrogen, sulfur, and oxygen (proximate and ultimate analysis) on a **quarterly** basis.

(5) Conduct and record an ASTM Method D4208 to determine the total chlorine and total hydrocarbons on a **quarterly** basis.

(6) Conduct and record an EPA Test Methods SW846 6010 and 7471 (Mercury Only) to determine metals content (As, Be, Cd, Cr, Pb, Mn, Ni, Se and total Hg) on an **annual** basis.

e. Non-Hazardous Used Oils and Greases

(1) Monitor and record the feed rate of **non-hazardous used oils and greases** (in gallons) for each clock hour for **S2.031** by use of a fuel pump rate.

(2) Record the feed rates of **non-hazardous used oils and greases** (in gallons) on a cumulative monthly basis, for each 12-month rolling period.

(3) Monitor and record the test results verifying non-hazardous conditions of the used oils and greases. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the used oils and greases meeting the standards set forth in 40 CFR 279.11.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Non-Hazardous Hydrocarbon Contaminated Soils
   (1) Monitor and record the feed rate of **non-hazardous hydrocarbon contaminated soils** (in tons) for each clock hour for **S2.031** by use of a weigh feeder system.
   (2) Record the feed rates of **non-hazardous hydrocarbon contaminated soils** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   (3) Monitor and record the amount of hydrocarbon contaminated soils processed and location of hydrocarbon contaminated soils generated.
   (4) Monitor and record the test results verifying non-hazardous conditions of the hydrocarbon contaminated soils. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the hydrocarbon contaminated soils meeting the standards set forth in 40 CFR 279.11.

g. Natural Gas
   (1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.030** by use of a fuel flow meter.
   (2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.

h. Clinker
   (1) Monitor and record the production rate for **System 09B** for each calendar day.
   (2) Record the average hourly production rate (in tons per hour) for **System 09B** using the total daily production rate and total daily hours of operation.
   (3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

i. Cement Kiln Dust
   (1) Monitor and record the throughput for **S2.129** for each calendar day.
   (2) Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   (3) Record the throughput material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

j. Inspect the baghouse installed on **System 09B** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

k. Inspect the SNCR installed on **System 09B** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.

l. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

m. Compliance with the Projected Actual Emissions (PAE) – OPTC AP3241-3431, Air Case 7770

(1) The Permittee shall demonstrate compliance with the Projected Actual Emissions (PAE) by reporting the actual 12-month rolling period emissions on a **quarterly** basis, commencing with the first quarter following June 2016. The Permittee shall comply with the following PAE limits:

(a) PM – 45.2 tons per 12-month rolling period.
(b) PM_{10} – 40.2 tons per 12-month rolling period.
(c) $PM_{2.5}$ – 37.7 tons per 12-month rolling period.
(d) NO_X – 1,632.2 tons per 12-month rolling period.
(e) CO – 154.3 tons per 12-month rolling period.
(f) SO_2 – 95.6 tons per 12-month rolling period.
(g) VOC – 55.0 tons per 12-month rolling period.
(h) Lead (Pb) – 0.29 tons per 12-month rolling period.
(i) Fluoride (F) – 1.37 tons per 12-month rolling period.

(2) If the 12-month rolling period emissions exceed the limit specified in above, the Permittee is also required to provide justification in the report that the revision was not a Prevention of Significant Deterioration (PSD) Major Modification.

n. Calibrate, operate, and maintain a Continuous Opacity Monitoring System (COMS) to continuously measure and record the opacity (in percent opacity). The COMS shall continuously measure the opacity in accordance with the manufacturer's specifications and the requirements set forth in **Section VIII** of this operating permit. If opacity interference due to water droplets exists in the stack, the opacity is monitored upstream of the interference.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the anniversary date of the previous initial performance testing or annual performance testing, and annually thereafter, in accordance with the following:

a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))

b. Testing shall be conducted on the exhaust stack (post controls).

c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.

d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.

e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1)) (continued)
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the anniversary date of the previous initial performance testing or annual performance testing, and annually thereafter, in accordance with the following: (continued)
   g. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units
   The Permittee, upon issuance of this operating permit or 30 days after the date of publication in the Federal Register, whichever date comes first, shall comply with Subpart IIIa requirements set forth in **Section VI** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Part 60
   The Permittee, upon issuance of this operating permit, shall comply with the SO_2, NO_X, CO, THC, and HCl CEMS requirements set forth in **Section VII** of this operating permit.
   c. Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
   The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.
   d. United States EPA Consent Decree
   The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

T. Emission Units S2.030 through S2.038, S2.112 through S2.117, and S2.129 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1)) (continued)
   e. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.030 through S2.038, S2.112 through S2.117, and S2.129**, as listed in **Table T -1** below:

Table T -1:
Part 64 CAM Monitoring for the controls on S2.030 through S2.038, S2.112 through S2.117, and S2.129

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

U. Emission Units S2.039 through S2.042

System 10 – #1 Kiln Clinker Cooler System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.039	Kiln #1 Clinker Cooler 408	4,388,093	305,757
S2.040	Clinker Breaker 409 transfer to Drag Chain 410		
S2.041	Drag Chain 410 to Bucket Elevators 412-1 or 412-2		
S2.042	Bucket Elevators 412-1 or 412-2 to Clinker Storage Stacker Tube 412-4 [Baghouse (DC-413) transfer to Screw Conveyor 413-2 to Rotary Feeder 413-3 to Screw Conveyor 413-4 to Screw Conveyors 2131 or 2132 to Clinker Storage is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.039 through S2.042** shall be controlled by **Baghouse (DC-413)**.
   b. Descriptive Stack Parameters
      Stack Height: 53.1 feet
      Stack Diameter: 4.99 feet
      Stack Temperature: 225 °F
      Exhaust Flow: 60,000.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.039 through S2.042, each,** shall not exceed **31.0** tons of **clinker** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.039 through S2.042, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-413)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) (filterable and condensable) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **2.06** pounds per hour, nor more than **9.01** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-413)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.039 through S2.042, each,** shall not exceed **40.2** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

U. Emission Units S2.039 through S2.042 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.039 through S2.042, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.039 through S2.042, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.039 through S2.042** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.039 through S2.042** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

V. Emission Units S2.043 through S2.049 and S2.124 through S2.126

System 11 – #1 Finish Mill Operations		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.124	Weigh Feeder 501 transfer to Belt Conveyor 504	4,388,094	305,773
S2.125	Weigh Feeder 502 transfer to Belt Conveyor 504		
S2.126	Weigh Feeder 503 transfer to Belt Conveyor 504		
S2.043	Conveyor 504 transfer to #1 Finish Mill 505		
S2.044	#1 Finish Mill 505		
S2.045	Air Slide 506 transfer to Bucket Elevator 507		
S2.046	Bucket Elevator 507 transfer to Air Separator 509 via Air Slide Conveyor 508-2		
S2.047	Air Separator 509 transfer to Air Slide 519-1		
S2.048	Air Slide 519-1 to Air Slide 519-2 and transfer to FK Pump 512 [Cement Cooler transfer to air Slide Conveyor 508-1 to FK Pump 512]		
S2.049	Dust Collector 516 transfer to FK Pump 512 [or Screw Conveyor 510-1 to Rotary Feeders 510-2 and 510-3 to Air Slide Conveyor 510-4 to Bucket Elevator 507 to Air Slide 508-2 to Air Separator 509 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.043 through S2.049 and S2.124 through S2.126** shall be controlled by **Baghouse (DC-516)**.
   b. Descriptive Stack Parameters
      Stack Height: 65.0 feet
      Stack Diameter: 2.0 feet
      Stack Temperature: 160 °F
      Exhaust Flow: 11,205.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.043 through S2.049 and S2.124 through S2.126, each,** shall not exceed **45.0** tons of **clinker, pozzolan, gypsum, lime, cement kiln dust, slag, fly ash, limestone** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.043 through S2.049 and S2.124 through S2.126, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-516)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.12** pounds per hour, nor more than **13.7** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.12** pounds per hour, nor more than **13.7** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.78** pounds per hour, nor more than **3.41** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-516)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.043 through S2.049 and S2.124 through S2.126, each,** shall not exceed **43.6** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

V. Emission Units S2.043 through S2.049 and S2.124 through S2.126 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.043 through S2.049 and S2.124 through S2.126, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.043 through S2.049 and S2.124 through S2.126, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.043 through S2.049 and S2.124 through S2.126** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.043 through S2.049 and S2.124 through S2.126** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

W. Emission Units S2.050 through S2.054

System 12 – #2 Raw Mill System (Primary Operating Scenario – Natural Gas)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]	4,388,084	305,800
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917		
S2.052	Air Separator 1910 transfer to Air Slide 1917		
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]		
S2.054	Heater 1909 (14 MMBtu/hr Natural Gas)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.050 through S2.054** shall be controlled by **Baghouse (DC-1914)**.
   b. Descriptive Stack Parameters
      Stack Height: 44.0 feet
      Stack Diameter: 2.3 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 10,200.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.050 through S2.053, each,** shall not exceed **55.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   b. **S2.054** may consume only **natural gas**.
   c. Descriptive Operating Parameters, **S2.054**
      (1) Heat Input rate: 14 MMBtu per hour
      (2) Maximum Fuel Consumption Rate: **13,461.5** standard cubic feet (scf) per hour
   d. Hours
      (1) **S2.050 through S2.054, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.56** pounds per hour, nor more than **6.82** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **0.72** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.74** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-1914)** shall not equal or exceed **20** percent.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

W. Emission Units S2.050 through S2.054 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.054** shall not exceed **0.55** pounds per MMBtu.j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.054** shall not exceed **9.80** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.051 through S2.053, each,** shall not exceed **45.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Maintain purchase records of natural gas to determine fuel consumption rate for **S2.054** for each calendar month.
   b. Calcium, alumina, iron, silica
      (1) Monitor and record the throughput for **S2.050 through S2.053, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.050 through S2.053, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.050 through S2.054, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.050 through S2.054** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.050 through S2.054** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

W. Emission Units S2.050 through S2.054 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

X. Emission Units S2.050 through S2.054

System 12 – #2 Raw Mill System (Alternate Operating Scenario – #2 Fuel Oil)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]	4,388,084	305,800
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917		
S2.052	Air Separator 1910 transfer to Air Slide 1917		
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]		
S2.054	Heater 1909 (9.06 MMBtu/hr #2 Fuel Oil)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.050 through S2.054** shall be controlled by **Baghouse (DC-1914)**.
   b. Descriptive Stack Parameters
      Stack Height: 44.0 feet
      Stack Diameter: 2.3 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 10,200.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.054** may consume only **#2 fuel oil**.
   b. The maximum allowable fuel consumption rate for **S2.054** shall not exceed **64.71** gallons per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.050 through S2.053, each,** shall not exceed **55.0** tons of **calcium, alumina, iron, silica** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.050 through S2.054, each,** may operate a total of **24** hours per day.
      (2) **S2.050 through S2.054, each,** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **6.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **6.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.56** pounds per hour, nor more than **2.34** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **0.72** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.74** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-1914)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

X. Emission Units S2.050 through S2.054 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.054** shall not exceed **0.60** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.054** shall not exceed **6.34** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.051 through S2.053, each,** shall not exceed **45.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. #2 Fuel Oil
      (1) Monitor and record the consumption rate of **#2 fuel oil** for each calendar day for **S2.054** (in **gallons**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in gallons per hour) for **S2.054** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
   b. Calcium, alumina, iron, silica
      (1) Monitor and record the throughput for **S2.050 through S2.053, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.050 through S2.053, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.050 through S2.054, each,** for each calendar day.
   d. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.050 through S2.054** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.050 through S2.054** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

X. Emission Units S2.050 through S2.054 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days of the exceedance of 50 hours and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V**
of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

Y. Emission Units S2.050 through S2.054

System 12A – #2 Raw Mill System – Used as Finish Mill (Primary Operating Scenario – Natural Gas)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]	4,388,084	305,800
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917		
S2.052	Air Separator 1910 transfer to Air Slide 1917		
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]		
S2.054	Heater 1909 (14 MMBtu/hr Natural Gas)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.050 through S2.054** shall be controlled by **Baghouse (DC-1914)**.
   b. Descriptive Stack Parameters
      Stack Height: 44.0 feet
      Stack Diameter: 2.3 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 10,200.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.054** may consume only **natural gas**.
   b. The maximum allowable throughput rate for **S2.050 through S2.053, each,** shall not exceed **40.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   c. Descriptive Operating Parameters, **S2.054**
      (1) Heat Input rate: 14 MMBtu per hour
      (2) Maximum Fuel Consumption Rate: 13,461.5 standard cubic feet (scf) per hour
   d. Hours
      (1) **S2.050 through S2.054, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.56** pounds per hour, nor more than **6.82** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **0.72** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.74** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-1914)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

Y. Emission Units S2.050 through S2.054 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.054** shall not exceed **0.55** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.054** shall not exceed **9.80** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.051 through S2.053, each,** shall not exceed **42.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Maintain purchase records of natural gas to determine fuel consumption rate for **S2.054** for each calendar month.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.050 through S2.053, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.050 through S2.053, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.050 through S2.054, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.050 through S2.054** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.050 through S2.054** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

Y. Emission Units S2.050 through S2.054 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Section IV. Specific Operating Conditions (continued)

Z. Emission Units S2.050 through S2.054

System 12A – #2 Raw Mill System – Used as Finish Mill (Alternate Operating Scenario – #2 Fuel Oil)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.050	Bucket Elevator 1908 transfer to Air Separator 1910 [Screw Conveyor 1912 transfer to Screw Conveyor 1913 to Bucket Elevator 1908 is 100% Fully Enclosed]	4,388,084	305,800
S2.051	Screw Conveyor 1916 transfer to Air Slide 1917		
S2.052	Air Separator 1910 transfer to Air Slide 1917		
S2.053	Air Slide 1917 transfer to Pump 213 [Baghouse (DC-1914-2) transfer to Screw Conveyor 1914-3 to Screw Conveyor 1914-4 to Baghouse (DC-1914) is 100% Fully Enclosed]		
S2.054	Heater 1909 (9.06 MMBtu/hr #2 Fuel Oil)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.050 through S2.054** shall be controlled by **Baghouse (DC-1914)**.
   b. Descriptive Stack Parameters
      Stack Height: 44.0 feet
      Stack Diameter: 2.3 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 10,200.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.054** may consume only **#2 fuel oil**.
   b. The maximum allowable fuel consumption rate for **S2.054** shall not exceed **64.71** gallons per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.050 through S2.053, each,** shall not exceed **40.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.050 through S2.054, each,** may operate a total of **24** hours per day.
      (2) **S2.050 through S2.054, each,** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **6.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **6.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.56** pounds per hour, nor more than **2.34** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.46** pounds per hour, nor more than **0.72** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **1.91** pounds per hour, nor more than **8.38** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **3.74** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.50** pounds per hour, nor more than **2.19** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-1914)** shall not equal or exceed **20** percent.

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Section IV. Specific Operating Conditions (continued)

Z. Emission Units S2.050 through S2.054 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914)** the following pollutants in excess of the following specified limits: (continued)
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.054** shall not exceed **0.60** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.054** shall not exceed **6.34** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.051 through S2.053, each,** shall not exceed **42.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. #2 Fuel Oil
      (1) Monitor and record the consumption rate of **#2 fuel oil** for each calendar day for **S2.054** (in **gallons**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in gallons per hour) for **S2.054** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.
   b. Calcium, alumina, iron, silica, gypsum, pozzolan, clinker
      (1) Monitor and record the throughput for **S2.050 through S2.053, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.050 through S2.053, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.050 through S2.054, each,** for each calendar day.
   d. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.050 through S2.054** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.050 through S2.054** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

Z. Emission Units S2.050 through S2.054 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days of the exceedance of 50 hours and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Section IV. Specific Operating Conditions (continued)

AA. Emission Unit S2.055

System 13 – #2 Raw Mill		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.055	#2 Raw Mill 1911	4,388,084	305,800

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.055** shall be controlled by **Baghouse (DC-1914-2)**.
   b. Descriptive Stack Parameters
      Stack Height: 32.9 feet
      Stack Diameter: 2.3 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 16,956.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.055** shall not exceed **55.0** tons of **calcium, alumina, iron, silica, gypsum, pozzolan, clinker** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.055** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-1914-2)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.73** pounds per hour, nor more than **3.18** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-1914-2)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.055** shall not exceed **45.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.055** for each calendar day.
   b. Monitor and record the hours of operation for **S2.055** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.055** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AA. Emission Unit S2.055 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   f. Inspect the baghouse installed on **S2.055** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

AA. Emission Unit S2.055 (continued)

6. Federal Requirements
Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.055**, as listed in **Table AA -1** below:

Table AA -1:
Part 64 CAM Monitoring for the controls on S2.055

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Section IV. Specific Operating Conditions (continued)

AB. Emission Units S2.056 through S2.059, S2.060A, S2.061, and S2.129

System 14A – #2 Kiln Feed System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.056	Pump Storage Silos transfer to Kiln Feed Bin 2002	4,387,947	305,797
S2.057	Kiln Feed Bin 2002 transfer to Air Slide 2004		
S2.058	Air Slide 2004 transfer to Bucket Elevator 2005		
S2.059	Bucket Elevator 2005 to Constant Head Feed Screw 2006		
S2.060A	Constant Head Feed Screw 2006 transfer to Kiln Feed Screw 2010		
S2.061	Kiln Feed Screw 2010 transfer to Kiln #2 2013		
S2.129	Truck Loadout Spout 2009-3 transfer into Dump Truck [Dust Tank (S2.067) transfer to Screw Conveyor 2009-2 to Truck Loading Spout 2009-3 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.056 through S2.059, S2.060A, S2.061, and S2.129** shall be controlled by **Baghouse (DC-2001)**.
   b. Descriptive Stack Parameters
      Stack Height: 65.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 3,478.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.056 through S2.059, S2.060A, and 2.061, each,** shall not exceed **47.0** tons of **kiln feed** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.129** shall not exceed **70.0** tons of **cement kiln dust** per hour, averaged over a calendar day, nor more than **210,000.0** tons per 12-month rolling period.
   c. Hours
      (1) **S2.056 through S2.059, S2.060A, S2.061, each,** may operate a total of **24** hours per day.
      (2) **S2.129** may operate a total of **8** hours per day.
      (3) **S2.129** may operate a total of **3,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-2001)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.72** pounds per hour, nor more than **3.15** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.72** pounds per hour, nor more than **3.15** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.29** pounds per hour, nor more than **1.26** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2001)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.056 through S2.059, S2.060A, and S2.061, each,** shall not exceed **44.0** pounds per hour.
   f. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.129** shall not exceed **47.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AB. Emission Units S2.056 through S2.059, S2.060A, S2.061, and S2.129

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   a. Monitor and record the throughput for **S2.056 through S2.059, S2.060A, S2.061, and S2.129, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.056 through S2.059, S2.060A, S2.061, and S2.129, each,** for each calendar day.
   c. Record the monthly hours of operation for **S2.129** and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   d. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   e. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   f. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **System 14A** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   g. Inspect the baghouse installed on **System 14A** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

AC. Emission Unit S2.060B

System 14B – #2 Kiln Feed System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.060B	Constant Head Feed Screw 2006	4,387,948	305,794

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.060B** shall be controlled by a **Bin Vent Filter**.
   b. Descriptive Stack Parameters
      Stack Height: 57.0 feet
      Stack Diameter: 0.7 feet
      Stack Temperature: 150 °F
      Exhaust Flow: 295.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.060B** shall not exceed **47.0** tons of **kiln feed** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.060B** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Bin Vent Filter** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0069** pounds per hour, nor more than **0.030** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0069** pounds per hour, nor more than **0.030** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0069** pounds per hour, nor more than **0.030** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of the **Bin Vent Filter** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.060B** shall not exceed **44.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.060B** for each calendar day.
   b. Monitor and record the hours of operation for **S2.060B** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the bin vent on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AC. Emission Unit S2.060B (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Inspect the bin vent installed on **S2.060B** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric) and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AD. Emission Units S2.062 through S2.067 and S2.127

System 15 – #2 Kiln Circuit (Primary Operating Scenario - Coal or Coal/Coke Blend) – Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,922	305,803
S2.063	Coal Mill 2043		
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085		
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1		
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]		
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]		
S2.127	Portable Lime Tank for Kiln #2 2013		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.062 through S2.067 and S2.127** shall be controlled by the following:
      (1) **Baghouse (DC-9109)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NO_X Burner on S2.062** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 56,208 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable fuel feed rate for **S2.063** shall not exceed **7.5** tons **coal or coal/coke blend** per clock hour.
   b. The maximum allowable fuel consumption rate for **S2.062** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The **#2 Kiln Circuit** may consume the following fuels under the following conditions:
      (1) 100% **coal or a combination of coal, coke, and natural gas** may be consumed at all times.
      (2) **Non-hazardous used oils and greases** generated solely by the facility may be consumed at a maximum feed rate not to exceed **5.0** gallons per clock hour.
      (3) **Non-hazardous hydrocarbon contaminated soils** generated solely by the facility may be consumed at a maximum feed rate not to exceed **2.5** tons per clock hour.
   d. The maximum allowable production rate for **System 15** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.
   e. The maximum allowable throughput rate for **S2.127** shall not exceed **1.50** tons of **lime** per hour, averaged over a calendar day, nor more than **13,140.0** tons per 12-month rolling period.
   f. Hours
      (1) **S2.062 through S2.067 and S2.127, each,** may operate a total of **24** hours per day.

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Section IV. Specific Operating Conditions (continued)

AD. Emission Units S2.062 through S2.067 and S2.127 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-9109)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
   e. Consent Decree Limit - The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
   f. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **475.8** pounds per hour, nor more than **2,084.2** tons per 12-month rolling period.
   g. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **9.30** pounds per ton of clinker produced, based on a 30-day rolling average.
   h. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **36.4** pounds per hour, nor more than **159.3** tons per 12-month rolling period.
   i. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **16.1** pounds per hour, nor more than **70.4** tons per 12-month rolling period.
   j. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-9109)** shall not equal or exceed **20** percent.
   k. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.062** shall not exceed **0.31** pounds per MMBtu.
   l. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.062** shall not exceed **130.2** pounds per hour.
   m. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.062 through S2.067, each,** shall not exceed **40.1** pounds per hour.
   n. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.127** shall not exceed **5.38** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.062 through S2.067 and S2.127 (each)** for each clock hour.
   b. Coal or Coal/Coke Blend
      (1) Monitor and record the feed rate of **coal or coal/coke blend** (in tons) for each clock hour **S2.063** by use of a weigh belt.
      (2) Record the feed rates of **coal or coal/coke blend** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
      (3) Conduct and record an ASTM Method D5865 to determine heat content of the coal or coke for **S2.063** for each delivery.
      (4) Conduct and record Method 19 to determine the SO_2 emission rate of the coal or coal/coke feed on a **quarterly** basis.

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Section IV. Specific Operating Conditions (continued)

AD. Emission Units S2.062 through S2.067 and S2.127 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

c. Non-Hazardous Used Oils and Greases
(1) Monitor and record the feed rate of **non-hazardous used oils and greases** (in gallons) for each clock hour for **S2.063** by use of a fuel pump rate.
(2) Record the feed rates of **non-hazardous used oils and greases** (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
(3) Upon delivery of the fuel, monitor and record the test results verifying non-hazardous conditions of the used oils and greases. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the used oils and greases meeting the standards set forth in 40 CFR 279.11.

d. Non-Hazardous Hydrocarbon Contaminated Soils
(1) Monitor and record the feed rate of **non-hazardous hydrocarbon contaminated soils** (in tons) for each clock hour for **S2.063** by use of a weigh feeder system.
(2) Record the feed rates of **non-hazardous hydrocarbon contaminated soils** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
(3) Monitor and record the amount of hydrocarbon contaminated soils processed and location of hydrocarbon contaminated soils generated.
(4) Upon delivery of the fuel, monitor and record the test results verifying non-hazardous conditions of the hydrocarbon contaminated soils. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the hydrocarbon contaminated soils meeting the standards set forth in 40 CFR 279.11.

e. Natural Gas
(1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.063** by use of a fuel flow meter.
(2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.

f. Clinker
(1) Monitor and record the production rate for **System 15** for each calendar day.
(2) Record the average hourly production rate (in tons per hour) for **System 15** using the total daily production rate and total daily hours of operation.
(3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

g. Lime
(1) Monitor and record the throughput for **S2.127** for each calendar day.
(2) Record the average hourly throughput rate (in tons per hour) for **S2.127** using the total daily throughput rate and total daily hours of operation.
(3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

h. Inspect the baghouse installed on **S2.062 through S2.067 and S2.127** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

i. Inspect the SNCR installed on **S2.062 through S2.067 and S2.127** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.

j. The Permittee shall conduct and record a **weekly** Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AD. Emission Units S2.062 through S2.067 and S2.127 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the anniversary date of the previous initial performance testing or annual performance testing, and annually thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   g. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   h. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Part 60
      (1) The Permittee, upon issuance of this operating permit, shall comply with the SO_2 and NO_X CEMS requirements set forth in **Section VII** of this operating permit.
      (2) The Permittee, upon issuance of this operating permit, shall comply with the THC CEMS requirements set forth in 40 CFR 63.1350(i) of Subpart LLL.
   c. United States EPA Consent Decree
   The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Section IV. Specific Operating Conditions (continued)

AE. Emission Units S2.062 through S2.067 and S2.127

System 15A – #2 Kiln Circuit (Alternate Operating Scenario – Natural Gas) – Revised June 2025 (Air Case #11706) (Revised Month Year, Air Case # 12736)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,922	305,803
S2.063	Coal Mill 2043		
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085		
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1		
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]		
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]		
S2.127	Portable Lime Tank for Kiln #2 2013		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.062 through S2.067 and S2.127** shall be controlled by the following:
      (1) **Baghouse (DC-9109)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NO_X Burner on S2.062** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 56,208 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.062** may consume only **natural gas**.
   b. The maximum allowable fuel consumption rate for **S2.062** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The maximum allowable production rate for **System 15A,** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.
   d. The maximum allowable throughput rate for **S2.127** shall not exceed **1.50** tons of **lime** per hour, averaged over a calendar day, nor more than **13,140.0** tons per 12-month rolling period.
   e. Hours
      (1) **S2.062 through S2.067 and S2.127, each,** may operate a total of **24** hours per day.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AE. Emission Units S2.062 through S2.067 and S2.127 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-9109)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **14.8** pounds per hour, nor more than **65.0** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
   e. Consent Decree Limit – The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
   f. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **475.8** pounds per hour, nor more than **2,084.2** tons per 12-month rolling period.
   g. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **9.30** pounds per ton of clinker produced, based on a 30-day rolling average.
   h. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **36.4** pounds per hour, nor more than **159.3** tons per 12-month rolling period.
   i. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **16.1** pounds per hour, nor more than **70.4** tons per 12-month rolling period.
   j. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-9109)** shall not equal or exceed **20** percent.
   k. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.062** shall not exceed **0.31** pounds per MMBtu.
   l. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.062** shall not exceed **130.2** pounds per hour.
   m. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.063 through S2.067, each,** shall not exceed **40.1** pounds per hour.
   n. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.127** shall not exceed **5.38** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.062 through S2.067 and S2.127, each,** for each clock hour.
   b. Natural Gas
      (1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.063** by use of a fuel flow meter.
      (2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.
   c. Clinker
      (1) Monitor and record the production rate of **clinker** for **System 15A,** for each calendar day.
      (2) Record the average hourly production rate (in tons per hour) for **System 15A** using the total daily production rate and total daily hours of operation.
      (3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AE. Emission Units S2.062 through S2.067 and S2.127 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   d. Lime
      (1) Monitor and record the throughput for **S2.127** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.127** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Inspect the baghouse installed on **S2.062 through S2.067 and S2.127** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   f. Inspect the SNCR installed on **S2.062 through S2.067 and S2.127** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.
   g. The Permittee shall conduct and record a **weekly** Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the exceedance of 50 hours, and annually thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   g. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   h. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AE. Emission Units S2.062 through S2.067 and S2.127 (continued)

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
      The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Part 60
      (1) The Permittee, upon issuance of this operating permit, shall comply with the SO_2 and NO_X, CEMS requirements set forth in **Section VII** of this operating permit.
      (2) The Permittee, upon issuance of this operating permit, shall comply with the THC CEMS requirements set forth in 40 CFR 63.1350(i) of Subpart LLL.
   c. United States EPA Consent Decree
      The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127

System 15B – #2 Kiln Circuit (Alternate Operating Scenario – Coal or Coal/coke Blend, Carpet) – Revised June 2025 (Air Case #11706)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.062	Kiln #2 2013 [Fluidized Coke Silo Loading and Unloading is 100% Fully Enclosed]	4,387,922	305,803
S2.063	Coal Mill 2043		
S2.064	Baghouse Screw Conveyors to Screw Conveyor 9085		
S2.065	Screw Conveyor 9085 transfer to Bucket Elevator 2010-1		
S2.066	Bucket Elevator 2010-1 transfer to Screw 2009 and Dust Tank [Bucket Elevator 2010-1 transfer to Kiln Feed Bin 2002 is 100% Fully Enclosed]		
S2.067	Dust Tank to Weigh Screw 2009-14 [Weigh Screw 2009-14 transfer to Rotary Feeders 2009-16 and 2009-18 to Finish Mills #2 or #3 is 100% Fully Enclosed]		
S2.127	Portable Lime Tank for Kiln #2 2013		
S2.118	Material transfer to Receiving Bins		
S2.119	Receiving Bin transfer to Belt Conveyors		
S2.120	Belt Conveyors transfer to Incline Belt to Feed Hopper		
S2.121	Feed Hopper transfer to Material Weigher		
S2.122	Material Weigher to Material Handling Fan		
S2.123	Material Handling Fan through Duct to Kiln #2 Burner		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.062 through S2.067, S2.118 through S2.123, and S2.127** shall be controlled by the following:
      (1) **Baghouse (DC-9109)** for the control of particulate matter.
      (2) **Selective Non-Catalytic Reduction (SNCR)** for the control of oxides of nitrogen. The SNCR shall utilize ammonia injection into the SNCR.
      (3) **Low NOx Burner on S2.062** for the control of oxides of nitrogen.
   b. Descriptive Stack Parameters
      Stack Height: 80.0 feet
      Stack Diameter: 6.75 feet
      Stack Temperature: 295 °F
      Exhaust Flow: 56,208 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable fuel feed rate for **S2.063** shall not exceed **7.5** tons of **coal or coal/coke blend** per clock hour.
   b. The maximum allowable fuel consumption rate for **S2.062** shall not exceed **178,840.0** standard cubic feet (scf) of **natural gas** per clock hour.
   c. The maximum allowable feed rate for **S2.123** shall not exceed **2.5** tons of **post-consumer carpet** per clock hour.
   d. The **post-consumer carpet** shall meet the definition of solid waste as define in 40 CFR Part 241.2.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

2. Operating Parameters (NAC 445B.3405) (continued)

e. OPTC AP3241-3431, Air Case 7770 – The **post-consumer carpet** shall meet the following specifications:

Table IV-1: Post-Consumer Carpet Specifications

Test Parameter	Test Method	Test Description	Initial Value	Upper Limit	Lower Limit
Btu/lb	ASTM D5865	Average Heating Value	9,049	TBD	TBD
Proximate Analysis	ASTM D5142	Moisture, wt%	0.44	TBD	TBD
	ASTM D5142	Ash, wt%	9.14	TBD	TBD
	ASTM D5142	Volatile Matter, wt%	81.50	TBD	TBD
	ASTM D5142	Fixed Carbon, wt%	8.92	TBD	TBD
	ASTM D5142	Total	100.00	TBD	TBD
Ultimate Analysis	ASTM D3176	Moisture, wt%	0.44	TBD	TBD
	ASTM D5142/5373	Ash, wt%	9.14	TBD	TBD
	ASTM D5142/5373	Carbon, wt%	59.60	TBD	TBD
	ASTM D5142/5373	Hydrogen, wt%	4.35	TBD	TBD
	ASTM D5142/5373	Nitrogen, wt%	0.59	TBD	TBD
	ASTM D5142/5373	Sulfur, wt%	0.10	TBD	TBD
	ASTM D5142/5373	Oxygen, wt%	25.78	TBD	TBD
	ASTM D5142/5373	Total	100.00	TBD	TBD
Total Chlorine	ASTM D4208		TBD	TBD	TBD
Total Hydrocarbons	ASTM D4208	For Range C8 to C40	TBD	TBD	TBD
Metals by ICP	EPA SW846 6010	As, Be, Cd, Cr, Pb, Mn, Ni, Se	TBD	TBD	TBD
Total Mercury	EPA SW846 7471		TBD	TBD	TBD

f. The **#1 Kiln Circuit** may consume the following fuels under the following conditions:
   (1) **Post-consumer carpet** may be consumed at a maximum feed rate of **2.5** tons per clock hour and up to of **7.50** tons per clock hour of **coal or coal/coke blend**. The post-consumer carpet will meet the definition of solid waste as defined in 40 CFR Part 241.2.
   (2) **Natural gas** may be consumed with the coal or coal/coke blend.
   (3) **Non-hazardous used oils and greases** generated solely by the facility may be consumed at a maximum feed rate not to exceed **5.0** gallons per clock hour.
   (4) N**on-hazardous hydrocarbon contaminated soils** generated solely by the facility may be consumed at a maximum feed rate not to exceed **2.5** tons per clock hour.

g. The maximum allowable production rate for **System 15B** shall not exceed **30.55** tons of **clinker** per hour, averaged over a calendar day.

h. The maximum allowable throughput rate for **S2.127** shall not exceed **1.50** tons of **lime** per hour, averaged over a calendar day, nor more than **13,140.0** tons per 12-month rolling period.

i. Hours
   (1) **S2.062 through S2.067, S2.118 through S2.123, and S2.127, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)

The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-9109)** the following pollutants in excess of the following specified limits:

a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.84** pounds per hour, nor more than **12.5** tons per 12-month rolling period.

b. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **PM** to the atmosphere shall not exceed **13.5** milligrams per dry standard cubic meter.

c. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **2.84** pounds per hour, nor more than **12.5** tons per 12-month rolling period.

d. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **2.84** pounds per hour, nor more than **12.5** tons per 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405) (continued)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-9109)** the following pollutants in excess of the following specified limits: (continued)
   e. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **42.9** pounds per hour, nor more than **187.9** tons per 12-month rolling period.
   f. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **SO_2** to the atmosphere shall not exceed **600.0** parts per million by volume**.**
   g. Consent Decree Limit – The discharge of **SO_2** to the atmosphere shall not exceed **1.10** pounds per ton of clinker produced, based on a 30-day rolling average.
   h. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **257.5** pounds per hour, nor more than **1,127.7** tons per 12-month rolling period.
   i. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **NO_X** to the atmosphere shall not exceed **630.0** parts per million by volume**.**
   j. Consent Decree Limit - The discharge of **NO_X** to the atmosphere shall not exceed **9.30** pounds per ton of clinker produced, based on a 30-day rolling average.
   k. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **196.5** pounds per hour, nor more than **860.8** tons per 12-month rolling period.
   l. 40 CFR Part 62 Subpart IIIa, Table 6 – The discharge of **CO** to the atmosphere shall not exceed **790.0** parts per million by volume**.**
   m. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **11.7** pounds per hour, nor more than **51.1** tons per 12-month rolling period.
   n. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-9109)** shall not equal or exceed **20** percent.
   o. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.062** shall not exceed **0.31** pounds per MMBtu.
   p. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.062** shall not exceed **130.2** pounds per hour.
   q. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.063 through S2.067 and S2.118 through S2.123, each,** shall not exceed **40.1** pounds per hour.
   r. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.127** shall not exceed **5.38** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.062 through S2.067, S2.118 through S2.123, and S2.127, each,** for each clock hour.
   b. Coal or Coal/Coke Blend
      (1) Monitor and record the feed rate of **coal or coal/coke blend** (in tons) for each clock hour for **S2.063** by use of a weigh belt.
      (2) Record the feed rates of **coal or coal/coke blend** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
      (3) Conduct and record an ASTM Method D5865 to determine heat content of the coal or coke for each delivery.

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Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

c. Post-Consumer Carpet – OPTC AP3241-3431, Air Case 7770
   (1) Monitor and record the feed rate of **post-consumer carpet** (in tons) for each clock hour for **S2.118 through S2.123, each**.by use of a weigh feeder system.
   (2) Record the feed rates of **post-consumer carpet** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   (3) Conduct and record an ASTM D5865 to determine the average heating value (Btu) on a **quarterly** basis.
   (4) Conduct and record an ASTM Methods D5142 (Proximate) and D3176 (Ultimate) to determine moisture content, ash content, volatile matter, fixed carbon content, carbon, hydrogen, nitrogen, sulfur, and oxygen (proximate and ultimate analysis) on a **quarterly** basis.
   (5) Conduct and record an ASTM Method D4208 to determine the total chlorine and total hydrocarbons on a **quarterly** basis.
   (6) Conduct and record an EPA Test Methods SW846 6010 and 7471 (Mercury Only) to determine metals content (As, Be, Cd, Cr, Pb, Mn, Ni, Se and total Hg) on an **annual** basis.

d. Non-Hazardous Used Oils and Greases
   (1) Monitor and record the feed rate of **non-hazardous used oils and greases** (in gallons) for each clock hour for **S2.063** by use of a fuel pump rate.
   (2) Record the feed rates of **non-hazardous used oils and greases** (in gallons) on a cumulative monthly basis, for each 12-month rolling period.
   (3) Monitor and record the test results verifying non-hazardous conditions of the used oils and greases. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the used oils and greases meeting the standards set forth in 40 CFR 279.11.

e. Non-Hazardous Hydrocarbon Contaminated Soils
   (1) Monitor and record the feed rate of **non-hazardous hydrocarbon contaminated soils** (in tons) for each clock hour for **S2.063** by use of a weigh feeder system.
   (2) Record the feed rates of **non-hazardous hydrocarbon contaminated soils** (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   (3) Monitor and record the amount of hydrocarbon contaminated soils processed and location of hydrocarbon contaminated soils generated.
   (4) Monitor and record the test results verifying non-hazardous conditions of the hydrocarbon contaminated soils. The Permittee must utilize U.S. EPA approved test methods to determine non-hazardous conditions of the hydrocarbon contaminated soils meeting the standards set forth in 40 CFR 279.11.

f. Natural Gas
   (1) Monitor and record the consumption rate of **natural gas** (in scf) for each clock hour for **S2.063** by use of a fuel flow meter.
   (2) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.

g. Clinker
   (1) Monitor and record the production rate for **System 15B** for each calendar day.
   (2) Record the average hourly production rate (in tons per hour) for **System 15B** using the total daily production rate and total daily hours of operation.
   (3) Record the production rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

h. Inspect the baghouse installed on **S2.062 through S2.067, S2.118 through S2.123, and S2.127** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   i. Inspect the SNCR installed on **S2.062 through S2.067 and S2.127** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results, and any corrective actions taken.
   j. Calibrate, operate, and maintain a Continuous Opacity Monitoring System (COMS) to continuously measure and record the opacity (in percent opacity). The COMS shall continuously measure the opacity in accordance with the manufacturer's specifications and the requirements set forth in **Section VIII** of this operating permit. If opacity interference due to water droplets exists in the stack, the opacity is monitored upstream of the interference.
   k. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))
   l. Compliance with the Projected Actual Emissions (PAE) – OPTC AP3241-3431, Air Case 7770
      (1) The Permittee shall demonstrate compliance with the Projected Actual Emissions (PAE) by reporting the actual 12-month rolling period emissions on a **quarterly** basis, commencing with the first quarter following June 2016. The Permittee shall comply with the following PAE limits:
         (a) PM – 45.2 tons per 12-month rolling period.
         (b) PM_{10} – 40.2 tons per 12-month rolling period.
         (c) $PM_{2.5}$ – 37.7 tons per 12-month rolling period.
         (d) NO_X – 1,632.2 tons per 12-month rolling period.
         (e) CO – 154.3 tons per 12-month rolling period.
         (f) SO_2 – 95.6 tons per 12-month rolling period.
         (g) VOC – 55.0 tons per 12-month rolling period.
         (h) Lead (Pb) – 0.29 tons per 12-month rolling period.
         (i) Fluoride (F) – 1.37 tons per 12-month rolling period.
      (2) If the 12-month rolling period emissions exceed the limit specified in above, the Permittee is also required to provide justification in the report that the revision was not a Prevention of Significant Deterioration (PSD) Major Modification.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the exceedance of 50 hours, and annually thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1)) (continued)
The Permittee, upon issuance of this operating permit, shall conduct and record annual performance testing within 90 days of the exceedance of 50 hours, and annually thereafter, in accordance with the following: (continued)
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   g. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units
   The Permittee, upon issuance of this operating permit or 30 days after the date of publication in the Federal Register, whichever date comes first, shall comply with Subpart IIIa requirements set forth in **Section VI** of this operating permit.
   b. Continuous Emissions Monitoring System (CEMS) – 40 CFR Part 60
   The Permittee, upon issuance of this operating permit, shall comply with the SO_2, NO_X, CO and HCl CEMS requirements set forth in **Section VII** of this operating permit.
   c. Continuous Opacity Monitoring System (COMS)
   The Permittee, upon issuance of this operating permit, shall comply with the COMS requirements set forth in **Section VIII** of this operating permit.
   d. Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
   The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.
   e. United States EPA Consent Decree
   The Permittee, upon issuance of this operating permit, shall comply with the Consent Decree requirements set forth in **Section X** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AF. Emission Units S2.062 through S2.067, S2.118 through S2.123, and S2.127 (continued)

6. Federal Requirements (continued)
   f. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.062 through S2.067, S2.118 through S2.123, and S2.127**, as listed in **Table AF -1** below:

Table AF -1:
Part 64 CAM Monitoring for the controls on S2.062 through S2.067, S2.118 through S2.123, and S2.127

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AG. Emission Units S2.068 and S2.069

System 16 – #2 Kiln Clinker Cooler and Reclaim System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.068	Kiln #2 Clinker Cooler 2017	4,388,086	305,745
S2.069	Clinker Breaker 2020 transfer to Drag Chain 2023		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.068 and S2.069** shall be controlled by **Baghouse (DC-2021)**.
   b. Descriptive Stack Parameters
      Stack Height: 65.0 feet
      Stack Diameter: 3.94 feet
      Stack Temperature: 225°F
      Exhaust Flow: 60,000.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.068 and S2.069, each,** shall not exceed **31.0** tons of **clinker** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.068 and S2.069, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-2021)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **3.00** pounds per hour, nor more than **13.1** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **2.06** pounds per hour, nor more than **9.01** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2021)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.068 and S2.069, each,** shall not exceed **40.2** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.068 and S2.069, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.068 and S2.069, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AG. Emission Units S2.068 and S2.069 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.068 and S2.069** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.068 and S2.069** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AG. Emission Units S2.068 and S2.069 (continued)

6. Federal Requirements
   a. National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart LLL – Portland Cement Manufacturing Industry
   The Permittee, upon issuance of this operating permit, shall comply with the Subpart LLL requirements set forth in **Section V** of this operating permit.
   b. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.068 and S2.069**, as listed in **Table AG -1** below:

Table AG -1:
Part 64 CAM Monitoring for the controls on S2.068 and S2069

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AH. Emission Units S2.070 through S2.072

System 17 – #2 Kiln Clinker Handling System		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.070	Reclaim Conveyor 2116 transfer to Bucket Elevator 2117 [Baghouse (DC-2021) transfer to Screw Conveyor 2021-2 to Rotary Feeder 2021-3 to Screw Conveyor 2021-4 to Screw Conveyors 2132 and 2131 to Air Separators 2206-1 and 2206-2 is 100% Fully Enclosed]	4,388,087	305,741
S2.071	Drag Chain 2023 transfer to Bucket Elevator 2101-1		
S2.072	Bucket Elevator 2101-1 to Clinker Storage [Baghouse (DC-2102) transfer to Rotary Feeder 2102-2 to Air Slide Conveyor 2102-4 and Drag Chain Conveyor 2201 to Finish Mill #2; Air Slide Conveyor 2102-4 transfer to Air Separator 2206-2 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.070 through S2.072** shall be controlled by **Baghouse (DC-2102)**.
   b. Descriptive Stack Parameters
      Stack Height: 55.0 feet
      Stack Diameter: 1.67 feet
      Stack Temperature: 150°F
      Exhaust Flow: 4,825.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.070** shall not exceed **90.0** tons of **clinker** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.071 and S2.072, each,** shall not exceed **31.0** tons of **clinker** per hour, averaged over a calendar day.
   c. Hours
      (1) **S2.070 through S2.072, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-2102)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.50** pounds per hour, nor more than **6.57** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **1.50** pounds per hour, nor more than **6.57** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.30** pounds per hour, nor more than **1.31** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2102)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.070** shall not exceed **50.2** pounds per hour.
   f. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.071 and S2.072, each,** shall not exceed **40.2** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AH. Emission Units S2.070 through S2.072 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.070 through S2.072, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.070 through S2.072, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.070 through S2.072** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.070 through S2.072** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AH. Emission Units S2.070 through S2.072 (continued)

6. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants

a. Standards
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-2102)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))

b. Test Methods and Procedures

(1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))

(2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))

(3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AI. Emission Units S2.074 through S2.078

System 18 – #2 Finish Mill Systems		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.074	Feed Bins 2201-6 and 2201-7 transfer to #2 Finish Mill 2203-1	4,388,059	305,739
S2.075	#2 Finish Mill 2203-1		
S2.076	Bucket Elevator 2204-1 transfer to Air Slide 2205-1		
S2.077	Air Slide 2205-1 transfer to Air Separator 2206-1		
S2.078	Air Separator 2206-1 transfer to Pump 2212 [Baghouse (DC-2207-1) transfer to Screw Conveyor 2208-1 to Air Slide Conveyor 2217 to Transfer Pump 2212 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.074 through S2.078** shall be controlled by **Baghouse (DC-2207-1)**.
   b. Descriptive Stack Parameters
      Stack Height: 65.0 feet
      Stack Diameter: 3.0 feet
      Stack Temperature: 160 °F
      Exhaust Flow: 30,261.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.074 through S2.078, each,** shall not exceed **45.0** tons of **clinker, pozzolan, gypsum, limestone, lime, cement kiln dust, slag, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.074 through S2.078, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.52** pounds per hour, nor more than **6.65** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2207-1)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.074 through S2.078, each,** shall not exceed **43.6** pounds per hour.

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Section IV. Specific Operating Conditions (continued)

AI. Emission Units S2.074 through S2.078 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.074 through S2.078, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.074 through S2.078, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.074 through S2.078** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.074 through S2.078** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

AI. Emission Units S2.074 through S2.078 (continued)

6. Federal Requirements
Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.074 through S2.078**, as listed in **Table AI -1** below:

Table AI -1:
Part 64 CAM Monitoring for the controls on S2.074 through S2.078

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Section IV. Specific Operating Conditions (continued)

AJ. Emission Units S2.073 and S2.079 through S2.084

System 19 – #3 Finish Mill Systems		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.073	Drag Chain 2201 transfer to Feed Bins 2201-6 and 2201-7	4,388,056	305,730
S2.079	Drag Chain 2201 transfer to Feed Bins 2201-8 and 2201-9		
S2.080	Feed Bins 2201-8 and 2201-9 transfer to #3 Finish Mill 2203-2		
S2.081	#3 Finish Mill 2203-2		
S2.082	Bucket Elevator 2204-2 transfer to Screw Conveyor 2205-2		
S2.083	Screw Conveyor 2205-2 transfer to Air Separator 2206-2		
S2.084	Air Separator 2206-2 transfer to Pump 2212 [Baghouse (DC-2207-2) transfer to Screw Conveyor 2208-2 to Air Slide Conveyor 2217 to Transfer Pump 2212 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.073 and S2.079 through S2.084** shall be controlled by **Baghouse (DC-2207-2)**.
   b. Descriptive Stack Parameters
      Stack Height: 65.0 feet
      Stack Diameter: 3.0 feet
      Stack Temperature: 160 °F
      Exhaust Flow: 30,261.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.073 and S2.079, each,** shall not exceed **90.0** tons of **clinker, pozzolan, gypsum, limestone, cement kiln dust, slag, fly ash** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.080 through S2.084, each,** shall not exceed **45.0** tons of **clinker, pozzolan, gypsum, limestone, cement kiln dust, slag, fly ash** per hour, averaged over a calendar day.
   c. Hours
      (1) **S2.073 and S2.079 through S2.084, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.5** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.52** pounds per hour, nor more than **6.65** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2207-2)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.073 and S2.079, each,** shall not exceed **50.2** pounds per hour.
   f. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.080 through S2.084, each,** shall not exceed **43.6** pounds per hour.

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Section IV. Specific Operating Conditions (continued)

AJ. Emission Units S2.073 and S2.079 through S2.084 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.073 and S2.079 through S2.084, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.073 and S2.079 through S2.084, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.073 and S2.079 through S2.084** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.073 and S2.079 through S2.084** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AJ. Emission Units S2.073 and S2.079 through S2.084 (continued)

6. Federal Requirements
Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.073 and S2.079 through S2.084**, as listed in **Table AJ -1** below:

Table AJ -1:
Part 64 CAM Monitoring for the controls on S2.073 and S2.079 through S2.084

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Section IV. Specific Operating Conditions (continued)

AK. Emission Units PF1.030 and PF1.031

System 19A – Finish Mill Feed Storage Tank and Handling (Handling Conveyors)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.030	Gypsum Bin and Transfer Bin transfer to #1 Reclaim Conveyor 2110	4,388,068	305,736
PF1.031	#1 Reclaim Conveyor 2110 transfer to #3 Reclaim Conveyor 2116	4,388,068	305,736

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.030 and PF1.031, each,** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.030 and PF1.031, each,** shall not exceed **58.0** tons of **gypsum, fly ash, slag, lime, cement kiln dust, limestone, pozzolan** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.030 and PF1.031, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.030 and PF1.031, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.20** pounds per hour, nor more than **0.88** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.096** pounds per hour, nor more than **0.42** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.014** pounds per hour, nor more than **0.063** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.030 and PF1.031, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.030 and PF1.031, each,** shall not exceed **46.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.030 and PF1.031, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.030 and PF1.031, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.030 and PF1.031** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AK. Emission Units PF1.030 and PF1.031 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.030 and PF1.031, each,** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AL. Emission Units S2.085, S2.196 and S2.197

System 20 – Cement Storage Silo (Revised February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.085	Transfer to Storage Silo #7 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,388,004	305,706
S2.196	Silo #7 to Airslide to Blender **(Added February 2026, Air Case # 12592)**	4,388,004	305,706
S2.197	Blender to Silo #7 **(Added February 2026, Air Case # 12592)**	4,388,004	305,706

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.085, S2.196 and S2.197, combined,** shall be controlled by **Baghouse (DC-601)**.
   b. Descriptive Stack Parameters
      Stack Height: 124.1 feet
      Stack Diameter: 1.0 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 2,951.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.085** shall not exceed **387.9** tons of **cement, gypsum, fly ash** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.196 and S2.197, each,** shall not exceed **70.0** tons of **cement, gypsum, fly ash** per hour, averaged over a calendar day.
   c. Hours
      (1) **S2.085, S2.196 and S2.197, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.61** pounds per hour, nor more than **2.68** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.61** pounds per hour, nor more than **2.68** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.24** pounds per hour, nor more than **1.07** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-601)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.085, S2.196 and S2.197, each,** shall not exceed **66.0** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AL. Emission Units S2.085, S2.196 and S2.197 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.085, S2.196 and S2.197, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.085, S2.196 and S2.197, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.085, S2.196 and S2.197** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.085, S2.196 and S2.197** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AM. Emission Units S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199

System 21 – Cement Bulk Loading (Revised February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.086	Silo transfers to Air Slides	4,388,022	305,686
S2.087	Air Slides transfer to Bucket Elevator 613		
S2.088	Bucket Elevator 613 to Air Slides 609-4 and 701-1 [or Truck Loadout Air Slide 608-4 to Truck Loadout Spout 610 is 100% Fully Enclosed]		
S2.089	Air Slides 609-4 and 701-1 transfer to Loading Spout 627		
S2.090	Silo transfers to North Rail Storage Bin 624		
S2.091	North Rail Storage Bin 624 transfer to Loading Spout 627		
S2.092	#1 Finish Mill Pump 512 transfer into Silos		
S2.093	#2 and #3 Finish Mill Pump 2212 and #1 and #2 Raw Mill Pump 213-10 transfer into Silos [Silo #10 transfer to Air Slide 606-3 to Air Slide 606-2 is 100% Fully Enclosed]		
S2.093A	Railcar Unloading System A transfer into Silos		
S2.093B	Railcar Unloading System B transfer into Silos [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]		
S2.198	Silos to Airslide to Blender **(Added February 2026, Air Case # 12592)**		
S2.199	Blender to Silos **(Added February 2026, Air Case # 12592)**		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199** shall be controlled by **Baghouse (DC-618)**.
   b. Descriptive Stack Parameters
      Stack Height: 114.9 feet
      Stack Diameter: 1.78 feet
      Stack Temperature: 125 °F
      Exhaust Flow: 10,236.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.086 through S2.093, each,** shall not exceed **187.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.093A and S2.093B, each,** shall not exceed **387.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.198 and S2.199 each,** shall not exceed **70.0** tons of **cement, fly ash** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199, each,** may operate a total of **24** hours per day.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AM. Emission Units S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **2.12** pounds per hour, nor more than **9.28** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **2.12** pounds per hour, nor more than **9.28** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.85** pounds per hour, nor more than **3.71** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-618)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.086 through S2.093, each,** shall not exceed **57.8** pounds per hour.
   f. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.093A, S2.093B, S2.198 and S2.199 each,** shall not exceed **66.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

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Section IV. Specific Operating Conditions (continued)

AM. Emission Units S2.086 through S2.093, S2.093A, S2.093B, S2.198 and S2.199 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Section IV. Specific Operating Conditions (continued)

AN. Emission Units S2.094 and S2.095

System 22A – Cement Bulk Loading 1		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.094	Silo #12 Fill	4,387,997	305,619
S2.095	Silo #13 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.094 and S2.095** shall be controlled by **Baghouse (DC-646-1)**.
   b. Descriptive Stack Parameters
      Stack Height: 122.0 feet
      Stack Diameter: 1.0 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 2,516.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.094 and S2.095, each,** shall not exceed **387.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.094 and S2.095, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.21** pounds per hour, nor more than **0.91** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-646-1)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.094 and S2.095, each,** shall not exceed **66.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.094 and S2.095, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.094 and S2.095, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.094 and S2.095** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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AN. Emission Units S2.094 and S2.095 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   f. Inspect the baghouse installed on **S2.094 and S2.095** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-646-1)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Ope3rating Conditions (continued)

AO. Emission Unit S2.096

System 22B – Cement Bulk Loading 4		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.096	Silos #12 and #13 to Loading Spouts 672-3 and 672-4 via Air Slides 654 - 661 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,387,994	305,615

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.096** shall be controlled by **Baghouse (DC-652) with HEPA Filter.**
   b. Descriptive Stack Parameters
      Stack Height: 111.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,514.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.096** shall not exceed **187.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.096** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.021** pounds per hour, nor more than **0.092** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0058** pounds per hour, nor more than **0.026** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00088** pounds per hour, nor more than **0.0039** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the **Baghouse (DC-652)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.096** shall not exceed **57.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the hours of operation for **S2.096** for each calendar day.
   b. Monitor and record the throughput for **S2.096** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.096** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.096** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Section IV. Specific Operating Conditions (continued)

AP. Emission Unit S2.097

System 23A – Cement Bulk Loading 2		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.097	Silo #14 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,387,993	305,607

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.097** shall be controlled by **Baghouse (DC-646-2)**.
   b. Descriptive Stack Parameters
      Stack Height: 122.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 2,515 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.097** shall not exceed **387.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.097** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.21** pounds per hour, nor more than **0.91** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-646-2)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.097** shall not exceed **66.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.097** for each calendar day.
   b. Monitor and record the hours of operation for **S2.097** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.097** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.097** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AP. Emission Unit S2.097 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-646-2)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AQ. Emission Unit S2.098

System 23B – Cement Bulk Loading 3		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.098	Silo #15 Fill [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,387,984	3055,611

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.098** shall be controlled by **Baghouse (DC-646-3)**.
   b. Descriptive Stack Parameters
      Stack Height: 122.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: 180 °F
      Exhaust Flow: 2,515.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.098** shall not exceed **387.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.098** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.52** pounds per hour, nor more than **2.28** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.21** pounds per hour, nor more than **0.91** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-646-3)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.098** shall not exceed **66.0** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.098** for each calendar day.
   b. Monitor and record the hours of operation for **S2.098** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.098** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.098** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AQ. Emission Unit S2.098 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-646-3)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AR. Emission Unit S2.099

System 23C – Cement Bulk Loading 5		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.099	Silos #14 and #15 to Loading Spouts 672-1 and 672-2 via Air Slides 663 - 670 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,387,990	305,603

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.099** shall be controlled by a **Baghouse (DC-653) with HEPA Filter**.
   b. Descriptive Stack Parameters
      Stack Height: 111.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,514.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.099** shall not exceed **187.9** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.099** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.021** pounds per hour, nor more than **0.092** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0058** pounds per hour, nor more than **0.026** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00088** pounds per hour, nor more than **0.0039** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-653)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.099** shall not exceed **57.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.099** for each calendar day.
   b. Monitor and record the hours of operation for **S2.099** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.099** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AR. Emission Unit S2.099 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   f. Inspect the baghouse installed on **S2.099** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-646-3)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Section IV. Specific Operating Conditions (continued)

AS. Emission Unit S2.100 through S2.102

System 24 – Packhouse		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.100	Pack Storage Bin transfer to Bucket Elevator 704 [Air Slide 701 transfer to Pack Storage Bin to Rotary Feeder 702 to Air Slides 703-3, 703-4, and 703-2 to Air Slide 703-1 to Bucket Elevator 704 is 100% Fully Enclosed]	4,388,010	305,660
S2.101	Bucket Elevator 704 to Air Slide 705-1 and 706-1		
S2.102	Air Slide 705-1 transfer to Packer 707 and Air Slides 706-1 and 706-2 [Baghouse (DC-710) transfer to Rotary Feeder 710-1 to Air Slide Conveyor 711-2 to Bucket Elevator 704 is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.100 through S2.102** shall be controlled by a **Baghouse (DC-710)**.
   b. Descriptive Stack Parameters
      Stack Height: 51.9 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 3,527.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.100 through S2.102, each,** shall not exceed **60.0** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.100 through S2.102, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **3.00** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **3.00** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.17** pounds per hour, nor more than **0.75** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-710)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.100 through S2.102, each,** shall not exceed **46.3** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AS. Emission Unit S2.100 through S2.102 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.100 through S2.102, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.100 through S2.102, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.100 through S2.102** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.100 through S2.102** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AT. Emission Units S2.104 and S2.105

System 25B – Rail Unloading/Transfer		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.104	Rail Transfer 634-8 to South Storage Bin 625	4,388,004	305,675
S2.105	Silo #8 transfer to South Storage Bin 625 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.104 and S2.105** shall be controlled by **Baghouse (DC-611)**.
   b. Descriptive Stack Parameters
      Stack Height: 60.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,764.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.104 and S2.105, each,** shall not exceed **100.0** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.104 and S2.105, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.41** pounds per hour, nor more than **1.80** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.41** pounds per hour, nor more than **1.80** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.60** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-611)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.104 and S2.105, each,** shall not exceed **51.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.104 and S2.105, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.104 and S2.105, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AT. Emission Units S2.104 and S2.105 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.104 and S2.105** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.104 and S2.105** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AU. Emission Unit S2.106

System 26 – Fly Ash Bulk Loading		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.106	South Storage Bin 625 transfer to Air Slide 609-4 and to Loading Spout 610 [Cyclonaire Tank Loading and Unloading is 100% Fully Enclosed]	4,388,008	305,666

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.106** shall be controlled by a **Baghouse (DC-612) with HEPA Filter**.
   b. Descriptive Stack Parameters
      Stack Height: 50 feet
      Stack Diameter: 0.94 feet
      Stack Temperature: Ambient
      Exhaust Flow: 2,645.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.106** shall not exceed **100.0** tons of **cement, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.106** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.011** pounds per hour, nor more than **0.049** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0031** pounds per hour, nor more than **0.014** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.00047** pounds per hour, nor more than **0.0021** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-612)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.106** shall not exceed **51.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.106** for each calendar day.
   b. Monitor and record the hours of operation for **S2.106** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.106** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AU. Emission Unit S2.106 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Inspect the baghouse installed on **S2.106** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AV. Emission Unit PF1.007

System 27A – Coal/Coke Handling (Rail Unloading)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.007	Railcar Unloading to Conveyor 111	4,388,080	305,641

1. Air Pollution Control Equipment (NAC 445B.3405)
   PF1.007 has no add-on controls.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.007** shall not exceed **200.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.007** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.007** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.38** pounds per hour, nor more than **6.04** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.48** pounds per hour, nor more than **2.10** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.074** pounds per hour, nor more than **0.32** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the **PF1.007** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.007** shall not exceed **58.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.007** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.007** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AV. Emission Unit PF1.007 (continued)

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants

a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-612)** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))

b. Compliance Requirements
The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))

c. Test Methods and Procedures
The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):

(1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):

(a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))

(b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))

(2) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):

(a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))

(b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))

(c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AW. Emission Units PF1.008 through PF1.010, PF1.032 and PF1.033

System 27B – Coal/Coke Handling (Covered Conveyors)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.008	Conveyor 111 transfer to Conveyor 111-1 or Conveyor 2302	4,388,088	305,660
PF1.009	Conveyor 2302 transfer to Conveyor 2302-1	4,388,064	305,669
PF1.010	Conveyor 2302-1 transfer to Conveyor 2302-2	4,388,018	305,729
PF1.032	Conveyor 111 transfer to Conveyor 111-2	4,388,088	305,660
PF1.033	Belt Conveyor 2103 transfer to Belt Conveyor 2106	4,388,081	305,698

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.008 through PF1.010, PF1.032 and PF1.033** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** shall not exceed **200.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **3.02** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.24** pounds per hour, nor more than **1.05** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.037** pounds per hour, nor more than **0.16** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** shall not exceed **58.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

AW. Emission Units PF1.008 through PF1.010, PF1.032 and PF1.033 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.008 through PF1.010, PF1.032 and PF1.033, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))

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Section IV. Specific Operating Conditions (continued)

AW. Emission Units PF1.008 – PF1.010, PF1.032 and PF1.033 (continued)

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

c. Test Methods and Procedures (continued)
The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)): (continued)

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))

(a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))

(b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))

(c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):

(a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))

(b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))

(c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

AX. Emission Units PF1.011 and PF1.012

System 27C – Coal/Coke Handling (Coal/Coke Storage Building)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.011	Conveyor 2302-2 transfer to Belt Tripper 2303	4,388,018	305,729
PF1.012	Belt Tripper 2303 transfer to Coal Storage	4,388,018	305,729

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.011 and PF1.012** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.011 and PF1.012, each,** shall not exceed **200.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.011 and PF1.012, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.011** the following pollutants in excess of the following specified limits:
      (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.69** pounds per hour, nor more than **3.02** tons per 12-month rolling period.
      (2) The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.24** pounds per hour, nor more than **1.05** tons per 12-month rolling period.
      (3) The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.037** pounds per hour, nor more than **0.16** tons per 12-month rolling period.
      (4) NAC 445B.22017 – The opacity from **PF1.011** shall not equal or exceed **20** percent.
      (5) NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.011** shall not exceed **58.5** pounds per hour.
   b. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.012** the following pollutants in excess of the following specified limits:
      (1) The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.18** pounds per hour, nor more than **0.78** tons per 12-month rolling period.
      (2) The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.085** pounds per hour, nor more than **0.37** tons per 12-month rolling period.
      (3) The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.056** tons per 12-month rolling period.
      (4) NAC 445B.22017 – The opacity from **PF1.012** shall not equal or exceed **20** percent.
      (5) NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.012** shall not exceed **58.5** pounds per hour.

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Section IV. Specific Operating Conditions (continued)

AX. Emission Units PF1.011 and PF1.012 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.011 and PF1.012, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.011 and PF1.012, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.011 and PF1.012** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.011 and PF1.012, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))

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Section IV. Specific Operating Conditions (continued)

AX. Emission Units PF1.011 and PF1.012 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

c. Test Methods and Procedures (continued)
The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)): (continued)

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))

(a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))

(b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))

(c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):

(a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))

(b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))

(c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

AY. Emission Units PF1.013 and PF1.014

System 27D – Coal/Coke Handling (Coal/Coke Storage Building)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.013	Inside Storage 2300-23A transfer to Weigh Feeders 2305-1, 2, 3, 4, 5	4,388,018	305,729
PF1.014	Weigh Feeders 2305-1, 2, 3, 4, 5 transfer to Conveyor 2306	4,388,018	305,729

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.013 and PF1.014** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.013 and PF1.014, each,** shall not exceed **20.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.013 and PF1.014, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.013 and PF1.014, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.069** pounds per hour, nor more than **0.30** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.024** pounds per hour, nor more than **0.11** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0037** pounds per hour, nor more than **0.016** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.013 and PF1.014, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.013 and PF1.014, each,** shall not exceed **30.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.013 and PF1.014, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.013 and PF1.014, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.013 and PF1.014** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

AY. Emission Units PF1.013 and PF1.014 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.013 and PF1.014, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))
      (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
         (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
         (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
         (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))
      (3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
         (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
         (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
         (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Section IV. Specific Operating Conditions (continued)

AY. Emission Units PF1.013 and PF1.014 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

AZ. Emission Unit PF1.015

System 27E – Coal/Coke Handling (Coal/Coke Storage Building)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.015	Conveyor 2306 transfer to Conveyor 2316	4,388,060	305,711

1. Air Pollution Control Equipment (NAC 445B.3405)
   PF1.015 has no add-on controls.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.015** shall not exceed **20.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.015** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.015** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.60** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.048** pounds per hour, nor more than **0.21** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0074** pounds per hour, nor more than **0.032** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.015** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.015** shall not exceed **30.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.015** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.015** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.015** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.015** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

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Section IV. Specific Operating Conditions (continued)

AZ. Emission Unit PF1.015 (continued)

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants

a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.015** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))

b. Compliance Requirements
The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))

c. Test Methods and Procedures
The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):

(1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
   (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
   (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))

(2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
   (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
   (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
   (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))

(3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
   (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
   (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
   (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Section IV. Specific Operating Conditions (continued)

AZ. Emission Unit PF1.015 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

BA. Emission Unit PF1.016

System 27F – Coal/Coke Handling (Mill Building Enclosure)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.016	Conveyor 2307 transfer to Coal Mill #1 Storage Bin 803	4,388,068	305,736

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.016** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.016** shall not exceed **20.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.016** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.016** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.069** pounds per hour, nor more than **0.30** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.024** pounds per hour, nor more than **0.11** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0037** pounds per hour, nor more than **0.016** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.016** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.016** shall not exceed **30.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.016** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.016** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.016** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BA. Emission Unit PF1.016 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.(continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.016** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))
      (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
         (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
         (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
         (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))
      (3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
         (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
         (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
         (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Section IV. Specific Operating Conditions (continued)

BA. Emission Unit PF1.016 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

BB. Emission Units PF1.017 and PF1.018

System 27G – Coal/Coke Handling (Mill Building Enclosure)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.017	Storage Bin 803 transfer to Feeder Belt 804	4,388,081	305,757
PF1.018	Feeder Belt 804 transfer to Coal Mill #1 805	4,388,081	305,757

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.017 and PF1.018** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.017 and PF1.018, each,** shall not exceed **7.5** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.017 and PF1.018, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.017 and PF1.018, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.11** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0090** pounds per hour, nor more than **0.039** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0014** pounds per hour, nor more than **0.0061** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.017 and PF1.018, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.017 and PF1.018, each,** shall not exceed **15.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.017 and PF1.018, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.017 and PF1.018, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.017 and PF1.018, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BB. Emission Units PF1.017 and PF1.018 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.017 and PF1.018, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))
      (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
         (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
         (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
         (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))
      (3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
         (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
         (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
         (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Section IV. Specific Operating Conditions (continued)

BB. Emission Units PF1.017 and PF1.018 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

BC. Emission Units PF1.019 and PF1.020

System 27H – Coal/Coke Handling (Mill Building Enclosure)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.019	Conveyor 2309 transfer to Conveyor 2307	4,388,068	305,736
PF1.020	Conveyor 2316 transfer to Bin 2041, Conveyor 2309, or Screw Conveyor 2316-2	4,388,068	305,736

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.019 and PF1.020** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.019 and PF1.020, each,** shall not exceed **20.0** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.019 and PF1.020, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.019 and PF1.020, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.069** pounds per hour, nor more than **0.30** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.024** pounds per hour, nor more than **0.11** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0037** pounds per hour, nor more than **0.016** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.019 and PF1.020, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.019 and PF1.020, each,** shall not exceed **30.5** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.019 and PF1.020, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.019 and PF1.020, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.019 and PF1.020, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BC. Emission Units PF1.019 and PF1.020 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.019 and PF1.020, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))
      (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
         (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
         (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
         (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))
      (3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
         (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
         (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
         (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Section IV. Specific Operating Conditions (continued)

BC. Emission Unit PF1.019 and PF1.020 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

BD. Emission Units PF1.021 and PF1.022

System 27I – Coal/Coke Handling (Mill Building Enclosure)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.021	Storage Bin 2041 transfer to Feeder Belt 2042	4,388,068	305,736
PF1.020	Feeder Belt 2042 transfer to Coal Mill #2 2043	4,388,068	305,736

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.021 and PF1.022** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.021 and PF1.022, each,** shall not exceed **7.5** tons of **coal and coke** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.021 and PF1.022, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.021 and PF1.022, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.11** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0090** pounds per hour, nor more than **0.039** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0014** pounds per hour, nor more than **0.0061** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.021 and PF1.022, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.021 and PF1.022, each,** shall not exceed **15.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.021 and PF1.022, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.021 and PF1.022, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.021 and PF1.022, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BD. Emission Units PF1.021 and PF1.022 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants
   a. Standards for coal processing and conveying equipment, coal storage systems, transfer and loading systems
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.021 and PF1.022, each,** which exhibit **20** percent opacity, or greater. (40 CFR 60.254(a))
   b. Compliance Requirements
   The Permittee must conduct all performance tests required by 40 CFR 60.8 to demonstrate compliance with the applicable emission standards using the methods identified in 40 CFR 60.257. (40 CFR 60.255(a))
   c. Test Methods and Procedures
   The Permittee must determine compliance with the applicable opacity standards as specified below (40 CFR 60.257(a)):
      (1) Method 9 of Appendix A-4 of Part 60 and the procedures in 40 CFR 60.11 must be used to determine opacity, with the exceptions specified below (40 CFR 60.257(a)(1)):
         (a) The duration of the Method 9 of Appendix A-4 of Part 60 performance test shall be 1 hour (ten 6-minute averages). (40 CFR 60.257(a)(1)(i))
         (b) If, during the initial 30 minutes of the observation of a Method 9 of Appendix A-4 of Part 60 performance test, all of the 6-minute average opacity readings are less than or equal to half the applicable opacity limit, then the observation period may be reduced from 1 hour to 30 minutes. (40 CFR 60.257(a)(1)(ii))
      (2) To determine opacity for fugitive coal dust emissions sources, the additional requirements specified below must be used. (40 CFR 60.257(a)(2))
         (a) The minimum distance between the observer and the emission source shall be 5.0 meters (16 feet), and the sun shall be oriented in the 140-degree sector of the back. (40 CFR 60.257(a)(2)(i))
         (b) The observer shall select a position that minimizes interference from other fugitive coal dust emissions sources and make observations such that the line of vision is approximately perpendicular to the plume and wind direction. (40 CFR 60.257(a)(2)(ii))
         (c) The observer shall make opacity observations at the point of greatest opacity in that portion of the plume where condensed water vapor is not present. Water vapor is not considered a visible emission. (40 CFR 60.257(a)(2)(iii))
      (3) A visible emissions observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions specified below (40 CFR 60.257(a)(3)):
         (a) No more than three emissions points may be read concurrently. (40 CFR 60.257(a)(3)(i))
         (b) All three emissions points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points. (40 CFR 60.257(a)(3)(ii))
         (c) If an opacity reading for any one of the three emissions points is within 5 percent opacity from the applicable standard (excluding readings of zero opacity), then the observer must stop taking readings for the other two points and continue reading just that single point. (40 CFR 60.257(a)(3)(iii))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BD. Emission Units PF1.021 and PF1.022 (continued)

5. Federal Requirements (continued)
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart Y – Coal Preparation and Processing Plants (continued)

d. Reporting and Recordkeeping

(1) The Permittee shall report semiannually periods of excess emissions as follow (40 CFR 60.258(b)):

(a) The Permittee shall submit semiannual reports to the Administrator or delegated authority of occurrences when the measurements of the reagent injection flow rate, as applicable, vary by more than 10 percent from the average determined during the most recent performance test. (40 CFR 60.258(b)(2))

(b) All 6-minute average opacities that exceed the applicable standard. (40 CFR 60.258(b)(3))

(2) After July 1, 2011, within 60 days after the date of completing each performance evaluation conducted to demonstrate compliance with Subpart Y, the Permittee must submit the test data to EPA by successfully entering the data electronically into EPA's WebFIRE data base available at http://cfpub.epa.gov/oarweb/index.cfm?action = fire.main. For performance tests that cannot be entered into WebFIRE (i.e., Method 9 of appendix A-4 of this part opacity performance tests) the Permittee must mail a summary copy to United States Environmental Protection Agency; Energy Strategies Group; 109 TW Alexander DR; mail code: D243-01; RTP, NC 27711. (40 CFR 60.258(d))

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Section IV. Specific Operating Conditions (continued)

BE. Emission Unit S2.107

System 28A – Finish Mill Feed Storage Tank and Handling		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.107	Pneumatic Loading to Finish Mill Feed Storage Tank [Finish Mill Feed Storage Tank transfer to Rotary Feeder 2240 to Weigh Screw Conveyor 2241 to Screw Conveyor 2242 to Screw Conveyor 2243 to Finish Mill #2 and #3 is 100% Fully Enclosed]	4,388,063	305,722

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.107** shall be controlled by a **Baghouse (DC-2238-3)**.
   b. Descriptive Stack Parameters
      Stack Height: 48.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 2,892.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.107** shall not exceed **35.0** tons of **gypsum, fly ash, slag, pozzolan, cement kiln dust, and limestone** per hour, averaged over a calendar day, nor more than **70,000.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.107** may operate a total of **24** hours per day.
      (2) **S2.107** may operate a total of **2,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall 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:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.28** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.28** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.28** pounds per hour, nor more than **0.28** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-2238-3)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.107** shall not exceed **41.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.107** for each calendar day.
   b. Monitor and record the hours of operation for **S2.107** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BE. Emission Unit S2.107 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   f. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.107** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   g. Inspect the baghouse installed on **S2.107** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.
   h. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
Standards of Performance for New Stationary Sources – 40 CFR Part 60 Subpart F – Portland Cement Plants
   a. Standards
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-2238-3)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
   b. Test Methods and Procedures
      (1) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
      (2) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
      (3) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BF. Emission Units PF1.034, PF1.043 and PF1.044

System 28C – Lime Handling (Finish Mill Feed Storage Tank)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.034	Loader transfer to Feed Hopper #1	4,388,081	305,698
PF1.043	Feed Hopper transfer to Feed Screw Conveyor	4,388,081	305,698
PF1.044	Feed Screw Conveyor transfer to Guppy	4,388,081	305,698

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.034, PF1.043 and PF1.044** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.034, PF1.043 and PF1.044, each,** shall not exceed **35.0** tons of **lime** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.034, PF1.043 and PF1.044, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.034, PF1.043 and PF1.044, each,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.058** pounds per hour, nor more than **0.25** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0087** pounds per hour, nor more than **0.038** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.034, PF1.043 and PF1.044, each,** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.034, PF1.043 and PF1.044, each,** shall not exceed **41.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.034, PF1.043 and PF1.044, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.034, PF1.043 and PF1.044, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.034, PF1.043 and PF1.044, each,** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BG. Emission Unit PF1.045

System 28D – Lime Handling (Finish Mill #1)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.045	Loader transfer to Feed Hopper #2 [Feed Hopper transfer to Rotary Feeder is 100% Fully Enclosed]	4,388,081	305,698

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.045** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.045** shall not exceed **35.0** tons of **lime** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.045** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.045** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.058** pounds per hour, nor more than **0.25** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0087** pounds per hour, nor more than **0.038** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.045** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.045** shall not exceed **41.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.045** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.045** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.045** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BH. Emission Unit PF1.046

System 28E – Lime Handling (Finish Mill #2 and/or #3)		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.046	Loader transfer to Feed Hopper #3 [Feed Hopper transfer to Rotary Feeder is 100% Fully Enclosed]	4,388,081	305,698

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.046** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.046** shall not exceed **35.0** tons of **lime** per hour, averaged over a calendar day.
   b. Hours
      (1) **PF1.046** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.046** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.058** pounds per hour, nor more than **0.25** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0087** pounds per hour, nor more than **0.038** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.046** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.046** shall not exceed **41.3** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.046** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.046** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.046** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BI. Emission Unit S2.128

System 28F – Lime Handling		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.128	Truck Unloading to Lime Tank	4,387,938	305,795

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.128** shall be controlled by **Baghouse (DC-LIMEBV)**.
   b. Descriptive Stack Parameters
      Stack Height: 51.4 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,400.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.128** shall not exceed **70.0** tons of **lime** per hour, averaged over a calendar day, nor more than **613,200.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.128** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-LIMEBV)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.053** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.053** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.053** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse (DC-LIMEBV)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.128** shall not exceed **47.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.128** for each calendar day.
   b. Monitor and record the hours of operation for **S2.128** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record a Method 9 visible emission test on the baghouse controlling **S2.128** on a **weekly** basis while operating. Each Method 9 visible emission test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.128** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BJ. Emission Unit S2.130

System 30 – Pony Motor #1 (Revised February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.130	Emergency Kiln Drive Engine (Deutz 74 hp, Model No. BF 4L 2011, Serial No. 10128580, Manufactured 02/2006)	4,388,011	305,773

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. **S2.130** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 10.0 feet
      Stack Diameter: 0.12 feet
      Stack Temperature: 750 °F

2. Operating Parameters (NAC 445B.3405)
   a. **S2.130** may consume only **diesel**.
   b. Descriptive Operating Parameters
      (1) Maximum Fuel Consumption Rate: 3.70 gallons per hour
   c. Hours
      (1) **S2.130** may operate a total of **20** hours per day.
      (2) **S2.130** may operate a total of **100** hours per 12-month rolling period of non-emergency use. There is no time limit on operation in emergency situations.
      (3) **S2.130** may operate from **2 AM** to **10 PM only** for non-emergency use.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.130** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.017** pounds per hour, nor more than **0.00085** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.017** pounds per hour, nor more than **0.00085** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.017** pounds per hour, nor more than **0.00085** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.0076** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.89** pounds per hour, nor more than **0.044** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.0073** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.18** pounds per hour, nor more than **0.0091** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the **S2.0130** shall not equal or exceed **20** percent.
   i. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.130** shall not exceed **0.39** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BJ. Emission Unit S2.130 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the total daily hours of operation for **S2.130** for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
   b. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   c. Maintain purchase records of diesel to determine fuel consumption rate for **S2.130** for each calendar month.

6. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. Emissions Limitations, Management Practices and Other Requirements (40 CFR 63.6603(a), Table 2d)
   For each Emergency stationary CI RICE and black start stationary CI RICE, the Permittee must meet the following requirement, except during periods of startup:
      (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
      (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
      (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   b. Fuel Requirements (40 CFR 63.6604)
   The Permittee must meet the following diesel requirements for non-road engine (40 CFR 63.6604, 80.510(b)):
      (1) Sulfur content to be 15 parts per million (ppm) maximum.
      (2) Cetane index or aromatic content as follows:
         (a) A minimum cetane index of 40; or
         (b) A maximum aromatic content of 35 volume percent.
   c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)
      (1) The Permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop the Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 63.6625(e))
      (2) The Permittee must install a non-resettable hour meter if one is not already installed. (40 CFR 63.6625(f))
      (3) The Permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in **BJ.5.a.** of this section. (40 CFR 63.6625(h))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BJ. Emission Unit S2.130 (continued)

6. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625) (continued)

(4) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in **BJ.5.a.(1)** of this section. The oil analysis must be performed at the same frequency specified for changing the oil in **BJ.5.a.(1)** of this section. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. (40 CFR 63.6625(i))

d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6)

(1) The Permittee must be in compliance with the emission limitations, operating limitations, and other requirements in Subpart ZZZZ that apply at all times. (40 CFR Part 63.6605(a))

(2) The Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR Part 63.6605(b))

(3) Permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in **BJ.5.a.** of this section according to methods specified below (40 CFR 63.6640(a), Table 6):

(a) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(b) Develop and follow Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BJ. Emission Unit S2.130 (continued)

6. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)
   d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6) (continued)
      (4) The Permittee must operate the emergency stationary RICE according to the requirements in **BJ.5.d.(4)(a) through (c)** of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in **BJ.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in **BJ.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 63.6640(f))
         (a) There is no time limit on the use of emergency stationary RICE in emergency situations. (40 CFR 63.6640(f)(1))
         (b) The Permittee may operate their emergency stationary RICE for any combination of the purposes specified in **BJ.5.d.(4)(b)(i)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **BJ.5.d.(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 63.6640(f)(2))
            i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. (40 CFR 63.6640(f)(2)(i))
         (c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in **BJ.5.d.(4)(b)** of this section. Except as provided in **BJ.5.d.(4)(c)(i) and (ii)** of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 63.6640(f)(4))
            i. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. (40 CFR 63.6640(f)(4)(i))
            ii. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 63.6640(f)(4)(ii)(A) through (E) are met. (40 CFR 63.6640(f)(4)(ii))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BJ. Emission Unit S2.130 (continued)

6. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

e. Recordkeeping Requirements (40 CFR Part 63.6655)

The Permittee must keep the following records:

(1) A copy of each notification and report that the Permittee submitted to comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee submitted, according to the requirement in 40 CFR Part 63.10(b)(2)(xiv). (40 CFR 63.6655(a)(1))

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (40 CFR 63.6655(a)(2))

(3) Records of performance tests and performance evaluations as required in 40 CFR Part 63.10(b)(2)(viii). (40 CFR 63.6655(a)(3))

(4) Records of all required maintenance performed on the RICE and any air pollution control and monitoring equipment. (40 CFR 63.6655(a)(4))

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with **BJ.5.d.(2)** of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (40 CFR 63.6655(a)(5))

(6) The Permittee must keep the records required in with **BJ.5.d.(3)** of this section to show continuous compliance with each emission or operating limitation that applies. (40 CFR 63.6655(d))

(7) The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. (40 CFR 63.6655(e))

(8) The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Part 63.6640(f)(2)(ii) or (iii), or 40 CFR Part 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. (40 CFR 63.6655(f))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BK. Emission Unit S2.131

System 31 – Pony Motor 2 (Revised February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.131	Emergency Kiln Drive (Duetz 60.8 hp, Model No. F4L 2011, Serial No. 00847623, Manufactured 02/2006)	4,388,017	305,790

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. **S2.131** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 10.0 feet
      Stack Diameter: 0.12 feet
      Stack Temperature: 750 °F

2. Operating Parameters (NAC 445B.3405)
   a. **S2.131** may consume only **diesel**.
   b. Descriptive Operating Parameters
      (1) Maximum Fuel Consumption Rate: **3.04 gallons** per hour
   c. Hours
      (1) **S2.131** may operate a total of **20** hours per day.
      (2) **S2.131** may operate a total of **100** hours per 12-month rolling period of non-emergency use. There is no time limit on operation in emergency situations.
      (3) **S2.131** may operate from **2 AM** to **10 PM only** for non-emergency use.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.131** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.0067** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.0067** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not 3exceed **0.13** pounds per hour, nor more than **0.0067** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.0062** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.86** pounds per hour, nor more than **0.043** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.41** pounds per hour, nor more than **0.020** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.15** pounds per hour, nor more than **0.0076** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the **S2.131** shall not equal or exceed **20** percent.
   i. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.131** shall not exceed **0.32** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BK. Emission Unit S2.131 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the total daily hours of operation for **S2.131** for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
   b. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   c. Maintain purchase records of diesel to determine fuel consumption rate for **S2.131** for each calendar month.

5. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. Emissions Limitations, Management Practices and Other Requirements (40 CFR 63.6603(a), Table 2d)
   For each Emergency stationary CI RICE and black start stationary CI RICE, the Permittee must meet the following requirement, except during periods of startup:
      (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
      (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
      (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   b. Fuel Requirements (40 CFR 63.6604)
   The Permittee must meet the following diesel requirements for non-road engine (40 CFR 63.6604, 80.510(b)):
      (1) Sulfur content to be 15 parts per million (ppm) maximum.
      (2) Cetane index or aromatic content as follows:
         (a) A minimum cetane index of 40; or
         (b) A maximum aromatic content of 35 volume percent.
   c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)
      (1) The Permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop the Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 63.6625(e))
      (2) The Permittee must install a non-resettable hour meter if one is not already installed. (40 CFR 63.6625(f))
      (3) The Permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in **BK.5.a.** of this section. (40 CFR 63.6625(h))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BK. Emission Unit S2.131 (continued)

5. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625) (continued)

(4) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in **BK.5.a.(1)** of this section. The oil analysis must be performed at the same frequency specified for changing the oil in **BK.5.a.(1)** of this section. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. (40 CFR 63.6625(i))

d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6)

(1) The Permittee must be in compliance with the emission limitations, operating limitations, and other requirements in Subpart ZZZZ that apply at all times. (40 CFR Part 63.6605(a))

(2) The Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR Part 63.6605(b))

(3) Permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in **BK.5.a.** of this section according to methods specified below (40 CFR 63.6640(a), Table 6):

(a) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(b) Develop and follow Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BK. Emission Unit S2.131 (continued)

5. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)
   d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6) (continued)
      (4) The Permittee must operate the emergency stationary RICE according to the requirements in **BK.5.d.(4)(a) through (c)** of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in **BK.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in **BK.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 63.6640(f))
         (a) There is no time limit on the use of emergency stationary RICE in emergency situations. (40 CFR 63.6640(f)(1))
         (b) The Permittee may operate their emergency stationary RICE for any combination of the purposes specified in **BK.5.d.(4)(b)(i)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **BK.5.d.(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 63.6640(f)(2))
            i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. (40 CFR 63.6640(f)(2)(i))
         (c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in **BK.5.d.(4)(b)** of this section. Except as provided in **BK.5.d.(4)(c)(i) and (ii)** of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 63.6640(f)(4))
            i. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. (40 CFR 63.6640(f)(4)(i))
            ii. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 63.6640(f)(4)(ii)(A) through (E) are met. (40 CFR 63.6640(f)(4)(ii))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BK. Emission Unit S2.131 (continued)

5. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

e. Recordkeeping Requirements (40 CFR Part 63.6655)

The Permittee must keep the following records:

(2) A copy of each notification and report that the Permittee submitted to comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee submitted, according to the requirement in 40 CFR Part 63.10(b)(2)(xiv). (40 CFR 63.6655(a)(1))

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (40 CFR 63.6655(a)(2))

(3) Records of performance tests and performance evaluations as required in 40 CFR Part 63.10(b)(2)(viii). (40 CFR 63.6655(a)(3))

(4) Records of all required maintenance performed on the RICE and any air pollution control and monitoring equipment. (40 CFR 63.6655(a)(4))

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with **BK.5.d.(2)** of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (40 CFR 63.6655(a)(5))

(6) The Permittee must keep the records required in with **BK.5.d.(3)** of this section to show continuous compliance with each emission or operating limitation that applies. (40 CFR 63.6655(d))

(7) The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. (40 CFR 63.6655(e))

(8) The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Part 63.6640(f)(2)(ii) or (iii), or 40 CFR Part 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. (40 CFR 63.6655(f))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BL. Emission Unit S2.132

System 32 – Portable Generator (Revised February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.132	Emergency Generator (CAT 227 hp, Model 3306 PCT, Serial 66D32021, Manufactured 1979)	4,388,012	305,651

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. **S2.132** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 35.0 feet
      Stack Diameter: 0.33 feet
      Stack Temperature: 750 °F

2. Operating Parameters (NAC 445B.3405)
   a. **S2.132** may consume only **diesel**.
   b. Descriptive Operating Parameters
      (1) Maximum Fuel Consumption Rate: **11.4 gallons** per hour
   c. Hours
      (1) **S2.132** may operate a total of **20** hours per day.
      (2) **S2.132** may operate a total of **100** hours per 12-month rolling period of non-emergency use. There is no time limit on operation in emergency situations.
      (3) **S2.132** may operate from **2 AM** to **10 PM only** for non-emergency use.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.132** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.0071** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.0071** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.14** pounds per hour, nor more than **0.0071** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.47** pounds per hour, nor more than **0.023** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **2.92** pounds per hour, nor more than **0.15** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.79** pounds per hour, nor more than **0.040** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.091** pounds per hour, nor more than **0.0046** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the **S2.132** shall not equal or exceed **20** percent.
   i. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.132** shall not exceed **1.17** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BL. Emission Unit S2.132 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the total daily hours of operation for **S2.132** for each day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
   b. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.
   c. Maintain purchase records of diesel to determine fuel consumption rate for **S2.132** for each calendar month.

5. Federal Requirements
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines
   a. Emissions Limitations, Management Practices and Other Requirements (40 CFR 63.6603(a), Table 2d)
   For each Emergency stationary CI RICE and black start stationary CI RICE, the Permittee must meet the following requirement, except during periods of startup:
      (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
      (2) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
      (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
   b. Fuel Requirements (40 CFR 63.6604)
   The Permittee must meet the following diesel requirements for non-road engine (40 CFR 63.6604, 80.510(b)):
      (1) Sulfur content to be 15 parts per million (ppm) maximum.
      (2) Cetane index or aromatic content as follows:
         (a) A minimum cetane index of 40; or
         (b) A maximum aromatic content of 35 volume percent.
   c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625)
      (1) The Permittee must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop the Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (40 CFR 63.6625(e))
      (2) The Permittee must install a non-resettable hour meter if one is not already installed. (40 CFR 63.6625(f))
      (3) The Permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in **BL.5.a.** of this section. (40 CFR 63.6625(h))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BL. Emission Unit S2.132 (continued)

5. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

c. Monitoring, Installation, Collection, Operation, Maintenance Requirements (40 CFR 63.6625) (continued)

(4) The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in **BL.5.a.(1)** of this section. The oil analysis must be performed at the same frequency specified for changing the oil in **BL.5.a.(1)** of this section. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. (40 CFR 63.6625(i))

d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6)

(1) The Permittee must be in compliance with the emission limitations, operating limitations, and other requirements in Subpart ZZZZ that apply at all times. (40 CFR Part 63.6605(a))

(2) The Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the Permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR Part 63.6605(b))

(3) Permittee must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in **BL.5.a.** of this section according to methods specified below (40 CFR 63.6640(a), Table 6):

(a) Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

(b) Develop and follow Permittee's own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BL. Emission Unit S2.132 (continued)

6. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)
   d. Compliance Requirements (40 CFR 63.6605, 63.6640, Table 6) (continued)
      (4) The Permittee must operate the emergency stationary RICE according to the requirements in **BL.5.d.(4)(a) through (c)** of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in **BL.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in **BL.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 63.6640(f))
         (a) There is no time limit on the use of emergency stationary RICE in emergency situations. (40 CFR 63.6640(f)(1))
         (b) The Permittee may operate their emergency stationary RICE for any combination of the purposes specified in **BL.5.d.(4)(b)(i)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **BL.5.d.(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 63.6640(f)(2))
            i. Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year. (40 CFR 63.6640(f)(2)(i))
         (c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in **BL.5.d.(4)(b)** of this section. Except as provided in **BL.5.d.(4)(c)(i) and (ii)** of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 63.6640(f)(4))
            i. Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system. (40 CFR 63.6640(f)(4)(i))
            ii. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 63.6640(f)(4)(ii)(A) through (E) are met. (40 CFR 63.6640(f)(4)(ii))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BL. Emission Unit S2.132 (continued)

5. Federal Requirements (continued)
National Emissions Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart ZZZZ – for Stationary Reciprocating Internal Combustion Engines (continued)

e. Recordkeeping Requirements (40 CFR Part 63.6655)

The Permittee must keep the following records:

(3) A copy of each notification and report that the Permittee submitted to comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that the Permittee submitted, according to the requirement in 40 CFR Part 63.10(b)(2)(xiv). (40 CFR 63.6655(a)(1))

(2) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (40 CFR 63.6655(a)(2))

(3) Records of performance tests and performance evaluations as required in 40 CFR Part 63.10(b)(2)(viii). (40 CFR 63.6655(a)(3))

(4) Records of all required maintenance performed on the RICE and any air pollution control and monitoring equipment. (40 CFR 63.6655(a)(4))

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with **BL.5.d.(2)** of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (40 CFR 63.6655(a)(5))

(6) The Permittee must keep the records required in with **BL.5.d.(3)** of this section to show continuous compliance with each emission or operating limitation that applies. (40 CFR 63.6655(d))

(7) The Permittee must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the Permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to their own maintenance plan. (40 CFR 63.6655(e))

(8) The Permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The Permittee must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR Part 63.6640(f)(2)(ii) or (iii), or 40 CFR Part 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. (40 CFR 63.6655(f))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BM. Emission Unit S2.133

System 33 – Unleaded Fuel Tank		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.133	Unleaded Fuel Tank (3,000 gallons)	4,388,020	305,776

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.133** shall be controlled by submerged fill.
   b. Descriptive Stack Parameters
      Shell Diameter: 13.0 feet
      Shell Height: 5.0 feet
      Capacity: 3,000.0 gallons

2. Operating Parameters (NAC 445B.3405)
   a. **S2.133** shall only be used to store **gasoline**.
   b. The maximum allowable throughput rate for **S2.133** shall not exceed **1,260,936.7** gallons per month, nor more than **15,131,240.0** gallons per 12-month rolling period.
   c. Hours
      S2.133 may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.133** the following pollutants in excess of the following specified limits:
   a. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.37** tons per year.
   b. NAC 445B.22017 – The opacity from **S2.133** shall not equal or exceed **20** percent.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput of **gasoline**, in gallons, loaded into, or dispensed from, **S2.133**, on a monthly basis, as determined from vendor invoices for tank loading or fuel pump non-resettable meter for tank dispensing.
   b. Monitor and record the 12-month rolling throughput rate in gallons per year. The annual throughput shall be determined at the end of each month as the sum of the monthly throughput rates for the year for all previous months of that year.

5. Federal Requirements
   National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities
   a. Permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR 63.11115)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BM. Emission Unit S2.133 (continued)

5. Federal Requirements (continued)
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities (continued)

b. Permittee must not allow **gasoline** to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
   (1) Minimize **gasoline** spills. (40 CFR 63.11116(a)(1))
   (2) Clean up spills as expeditiously as practicable. (40 CFR 63.11116(a)(2))
   (3) Cover all open **gasoline** containers and all **gasoline** storage tank fill-pipes with a gasketed seal when not in use. (40 CFR 63.11116(a)(3))
   (4) Minimize **gasoline** sent to open waste collection systems that collect and transport **gasoline** to reclamation and recycling devices, such as oil/water separators. (40 CFR 63.11116(a)(4))

c. Except as specified in 40 CFR 63.11117(c), the Permittee must only load **gasoline** into storage tanks at your facility by utilizing submerged filling, as defined in 40 CFR 63.11132, and as specified in 40 CFR 63.11117(b)(1), (b)(2), or (b)(3). The applicable distances in 40 CFR 63.11117(b)(1) and (2) shall be measured from the point in the opening of the submerged fill pipe that is the greatest distance from the bottom of the storage tank. (40 CFR 63.11117(b))
   (1) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank. (40 CFR 63.11117(b)(1))
   (2) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank. (40 CFR 63.11117(b)(2))
   (3) Submerged fill pipes not meeting the specifications of 40 CFR 63.11117(b)(1) or (b)(2) are allowed if the owner or operator can demonstrate that the liquid level in the tank is always above the entire opening of the fill pipe. Documentation providing such demonstration must be made available for inspection by the Administrator's delegated representative during the course of a site visit. (40 CFR 63.11117(b)(3))
   (4) Gasoline storage tanks with a capacity of less than 250 gallons are not required to comply with the submerged fill requirements in 40 CFR 63.11117(b), but must comply only with all of the requirements in 40 CFR 63.11116. (40 CFR 63.11117(c))
   (5) Permittee must have records available within 24 hours of a request by the Administrator to document your **gasoline** throughput. (40 CFR 63.11117(d))
   (6) Permittee must submit the applicable notifications as required under 40 CFR 63.11124(a). (40 CFR 63.11117(e))
   (7) Permittee must comply with the requirements of this subpart by the applicable dates contained in 40 CFR 63.11113. (40 CFR 63.11117(f))

d. Except as specified in 40 CFR 63.11118(c), the Permittee must meet the requirements in either 40 CFR 63.11118(b)(1) or (b)(2). (40 CFR 63.11118(b))
   (1) Each management practice in Table 1 to this subpart that applies to your GDF. (40 CFR 63.11118(b)(1))
   (2) If, prior to January 10, 2008, you satisfy the requirements in both 40 CFR 63.11118(b)(2)(i) and (ii), you will be deemed in compliance with this subsection. (40 CFR 63.11118(b)(2))
      (a) You operate a vapor balance system at your GDF that meets the requirements of either 40 CFR 63.11118(b)(2)(i)(A) or (b)(2)(i)(B). (40 CFR 63.11118(b)(2)(i))
         i. Achieves emissions reduction of at least 90 percent. (40 CFR 63.11118(b)(2)(i)(A))
         ii. Operates using management practices at least as stringent as those in Table 1 to this subpart. (40 CFR 63.11118(b)(2)(i)(B))
      (b) Your gasoline dispensing facility is in compliance with an enforceable State, local, or tribal rule or permit that contains requirements of either 40 CFR 63.11118(b)(2)(i)(A) or (b)(2)(i)(B).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BM. Emission Unit S2.133 (continued)

5. Federal Requirements (continued)
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities (continued)
   e. The emission sources listed in 40 CFR 63.11118(c)(1) through (3) are not required to comply with the control requirements in 40 CFR 63.11118(b), but must comply with the requirements in 40 CFR 63.11117. (40 CFR 63.11118(b))
      (1) Gasoline storage tanks with a capacity of less than 250 gallons that are constructed after January 10, 2008. (40 CFR 63.11118(c)(1))
      (2) Gasoline storage tanks with a capacity of less than 2,000 gallons that were constructed before January 10, 2008. (40 CFR 63.11118(c)(3))
      (3) Gasoline storage tanks equipped with floating roofs, or the equivalent. (40 CFR 63.11118(c)(3))
   f. Cargo tanks unloading at GDF must comply with the management practices in Table 2 to this subpart. (40 CFR 63.11118(d))
   g. The Permittee must comply with the applicable testing requirements contained in 40 CFR 63.11120. (40 CFR 63.11118(e))
   h. The Permittee must submit the applicable notifications as required under 40 CFR 63.11124. (40 CFR 63.11118(f))
   i. The Permittee must keep records and submit reports as specified in 40 CFR 40 CFR 63.11125 and 63.11126. (40 CFR 63.11118(g))
   j. The Permittee must comply with the requirements of this subpart by the applicable dates contained in 40 CFR 63.11113. (40 CFR 63.11118(h))
   k. Testing and Monitoring Requirements
      (1) The Permittee, at the time of installation, as specified in 40 CFR 63.11113(e), of a vapor balance system required under 40 CFR 63.11118(b)(1), and every 3 years thereafter, must comply with the requirements in 40 CFR 63.11120(a)(1) and (2). (40 CFR 63.11120(a))
         (a) The Permittee must demonstrate compliance with the leak rate and cracking pressure requirements, specified in item 1(g) of Table 1 to this subpart, for pressure-vacuum vent valves installed on your gasoline storage tanks using the test methods identified in 40 CFR 63.11120(a)(1)(i) or (a)(1)(ii). (40 CFR 63.11120(a)(1))
         (b) The Permittee must demonstrate compliance with the static pressure performance requirement specified in item 1(h) of Table 1 to this subpart for your vapor balance system by conducting a static pressure test on your gasoline storage tanks using the test methods identified in 40 CFR 63.11120(a)(2)(i), (a)(2)(ii), or (a)(2)(iii). (40 CFR 63.11120(a)(2))
      (2) The Permittee choosing, under the provisions of 40 CFR 63.6(g), to use a vapor balance system other than that described in Table 1 to this subpart must demonstrate to the Administrator or delegated authority under paragraph 40 CFR 63.11131(a) of this subpart, the equivalency of their vapor balance system to that described in Table 1 to this subpart using the procedures specified in 40 CFR 63.11120 (b)(1) through (3). (40 CFR 63.11120(b))
         (a) The Permittee must demonstrate initial compliance by conducting an initial performance test on the vapor balance system to demonstrate that the vapor balance system achieves 95 percent reduction using the California Air Resources Board Vapor Recovery Test Procedure TP-201.1,—Volumetric Efficiency for Phase I Vapor Recovery Systems, adopted April 12, 1996, and amended February 1, 2001, and October 8, 2003, (incorporated by reference, see 40 CFR 63.14). (40 CFR 63.11120(b)(1))
         (b) The Permittee must, during the initial performance test required under 40 CFR 63.11120(b)(1), determine and document alternative acceptable values for the leak rate and cracking pressure requirements specified in item 1(g) of Table 1 to this subpart and for the static pressure performance requirement in item 1(h) of Table 1 to this subpart. (40 CFR 63.11120(b)(2))
         (c) The Permittee must comply with the testing requirements specified in 40 CFR 63.11120(a).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BM. Emission Unit S2.133 (continued)

5. Federal Requirements (continued)
National Emission Standards for Hazardous Air Pollutants (NESHAP) – 40 CFR Part 63 Subpart CCCCCC – for Gasoline Dispensing Facilities (continued)

k. Testing and Monitoring Requirements (continued)

(3) Conduct of performance tests. Performance tests conducted for this subpart shall be conducted under such conditions as the Administrator specifies to the owner or operator based on representative performance (i.e., performance based on normal operating conditions) of the affected source. Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests. (40 CFR 63.11120(c))

(4) Owners and operators of gasoline cargo tanks subject to the provisions of Table 2 to this subpart must conduct annual certification testing according to the vapor tightness testing requirements found in 40 CFR 63.11092(f). (40 CFR 63.11120(d))

l. Notifications, Records, and Reports

(1) Each owner or operator subject to the control requirements in 40 CFR 63.11117 must comply with 40 CFR 63.11124(a)(1) through (3). (40 CFR 63.11124(a))

(2) Each owner or operator subject to the control requirements in 40 CFR 63.11118 must comply with 40 CFR 63.11124(b)(1) through (5). (40 CFR 63.11124(b))

m. Recordkeeping Requirements

(1) Each owner or operator subject to the management practices in 40 CFR 63.11118 must keep records of all tests performed under 40 CFR 63.11120(a) and (b). (40 CFR 63.11125(a))

(2) Records required under 40 CFR 63.11125(a) shall be kept for a period of 5 years and shall be made available for inspection by the Administrator's delegated representatives during the course of a site visit. (40 CFR 63.11125(b))

(3) Each owner or operator of a gasoline cargo tank subject to the management practices in Table 2 to this subpart must keep records documenting vapor tightness testing for a period of 5 years. Documentation must include each of the items specified in 40 CFR 63.11094(b)(2)(i) through (viii). Records of vapor tightness testing must be retained as specified in either 40 CFR 63.11125(c)(1) or (c)(2). (40 CFR 63.11125(c))

(4) Each owner or operator of an affected source under this subpart shall keep records as specified in 40 CFR 63.11125(d)(1) and (2). (40 CFR 63.11125(d))

n. Reporting Requirements

(1) Each owner or operator subject to the management practices in 40 CFR 63.11118 shall report to the Administrator the results of all volumetric efficiency tests required under 40 CFR 63.11120(b). Reports submitted under this paragraph must be submitted within 180 days of the completion of the performance testing. (40 CFR 63.11126(a))

(2) Each owner or operator of an affected source under this subpart shall report, by March 15 of each year, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. (40 CFR 63.11125(b))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BN. Emission Units PF1.047 and PF1.048

System 34A – Finish Mill #4 - Dump to Hopper		Location UTM (Zone 11, NAD 83)	
		m North	m East
PF1.047	Dump to Crane Weigh Hopper	4,388,081	305,698
PF1.048	Dump to Front End Loader Weigh Hopper	4,388,081	305,698

1. Air Pollution Control Equipment (NAC 445B.3405)
   Emissions from **PF1.047 and PF1.048** shall be controlled by a **Building Enclosure**.

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **PF1.047 and PF1.048, combined,** shall not exceed **150.0** tons of **clinker, pozzolan, limestone, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day, nor more than **613,200.0** tons per 12-month rolling period.
   b. Hours
      (1) **PF1.047 and PF1.048, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.047 and PF1.048, combined,** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.23** pounds per hour, nor more than **0.46** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.083** pounds per hour, nor more than **0.17** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.012** pounds per hour, nor more than **0.026** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **PF1.047 and PF1.048** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **PF1.047 and PF1.048, combined,** shall not exceed **55.4** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **PF1.047 and PF1.048, each,** for each calendar day.
   b. Monitor and record the hours of operation for **PF1.047 and PF1.048, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the **building enclosure** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the enclosure installed on **PF1.047 and PF1.048** on a **weekly** basis to confirm that the enclosure is in place and functioning properly. If the enclosure is in disrepair, the Permittee shall perform corrective action within 24 hours to ensure that the enclosure is functioning properly.

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Section IV. Specific Operating Conditions (continued)

BN. Emission Units PF1.047 and PF1.048 (continued)

5. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BO. Emission Units S2.134 and S2.135

System 34B – Finish Mill #4 (Pozzolan Truck Dump Baghouse #3)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.134	Truck to Dump Hopper	4,388,186	305,628
S2.135	Truck Dump Hopper to Conveyor 8	4,388,186	305,628

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.134 and S2.135** shall be controlled by **Baghouse #3**.
   b. Descriptive Stack Parameters
      Stack Height: 30.0 feet
      Stack Diameter: 1.5 feet
      Stack Temperature: Ambient
      Exhaust Flow: 4,527.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.134 and S2.135, each,** shall not exceed **150.0** tons of **clinker, pozzolan, limestone, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day, nor more than **613,200.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.134 and S2.135, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse #3** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse #3** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.134 and S2.135, each,** shall not exceed **55.4** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.134 and S2.135, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.134 and S2.135, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

BO. Emission Units S2.134 and S2.135 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.134 and S2.135** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.134 and S2.135** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BP. Emission Units S2.136 through S2.138

System 34C – Finish Mill #4 (Conveyor to Bucket Elevator Baghouse #4)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.136	Conveyor 8 to Conveyor 1	4,388,087	305,669
S2.137	Conveyor 9 to Bucket Elevator 2		
S2.138	Bucket Elevator 2 to Conveyor 1		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.136 through S2.138** shall be controlled by **Baghouse #4**.
   b. Descriptive Stack Parameters
      Stack Height: 64.2 feet
      Stack Diameter: 1.5 feet
      Stack Temperature: Ambient
      Exhaust Flow: 2,263.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.136 through S2.138, each,** shall not exceed **70.0** tons of **clinker, pozzolan, limestone, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.136 through S2.138, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse #4** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.055** pounds per hour, nor more than **0.24** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.055** pounds per hour, nor more than **0.24** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.055** pounds per hour, nor more than **0.24** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse #4** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.136 through S2.138, each,** shall not exceed **47.8** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.136 through S2.138, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.136 through S2.138, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.

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Section IV. Specific Operating Conditions (continued)

BP. Emission Units S2.136 through S2.138 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.136 through S2.138** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.136 – S2.138** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Section IV. Specific Operating Conditions (continued)

BQ. Emission Units S2.139 through S2.148

System 34D – Finish Mill #4 (Conveyor Transfer Baghouse #2)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.139	Conveyor 1 to Conveyor 2	4,388,058	305,626
S2.140	Conveyor 2 to Bin 1 Feed Conveyor		
S2.141	Conveyor 1 to Conveyor 3		
S2.142	Conveyor 3 to Bin 2 Feed Conveyor		
S2.143	Conveyor 1 to Conveyor 4		
S2.144	Conveyor 4 to Bin 3 Feed Conveyor		
S2.145	Conveyor 1 to Conveyor 5		
S2.146	Conveyor 5 to Bin 4 Feed Conveyor		
S2.147	Conveyor 1 to Conveyor 6		
S2.148	Conveyor 6 to Bin 5 Feed Conveyor		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.139 through S2.148** shall be controlled by **Baghouse #2**.
   b. Descriptive Stack Parameters
      Stack Height: 100.0 feet
      Stack Diameter: 1.25 feet
      Stack Temperature: Ambient
      Exhaust Flow: 4,527.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.139 through S2.148, each,** shall not exceed **150.0** tons of **clinker, pozzolan, limestone, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day, nor more than **613,200.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.139 through S2.148, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse #2** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse #2** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.139 through S2.148, each,** shall not exceed **55.4** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BQ. Emission Units S2.139 through S2.148 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.139 through S2.148, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.139 through S2.148, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.139 through S2.148** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.139 through S2.148** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BR. Emission Units S2.149 through S2.164

System 34E – Finish Mill #4 (Feed Mill Bins Baghouse #1)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.149	Bin 1 Feed Conveyor to Bin 1	4,388,074	305,623
S2.150	Bin 2 Feed Conveyor to Bin 2		
S2.151	Bin 3 Feed Conveyor to Bin 3		
S2.152	Bin 4 Feed Conveyor to Bin 4		
S2.153	Bin 5 Feed Conveyor to Bin 5		
S2.154	Bin 1 to Weigh Feeder 1		
S2.155	Weigh Feeder 1 to Conveyor 7		
S2.156	Bin 2 to Weigh Feeder 2		
S2.157	Weigh Feeder 2 to Conveyor 7		
S2.158	Bin 3 to Weigh Feeder 3		
S2.159	Weigh Feeder 3 to Conveyor 7		
S2.160	Bin 4 to Weigh Feeder 4		
S2.161	Weigh Feeder 4 to Conveyor 7		
S2.162	Bin 5 to Weigh Feeder 5		
S2.163	Weigh Feeder 5 to Conveyor 7		
S2.164	Conveyor 7 to Bucket Elevator 1		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.149 through S2.164** shall be controlled by **Baghouse #1**.
   b. Descriptive Stack Parameters s
      Stack Height: 100.0 feet
      Stack Diameter: 1.25 feet
      Stack Temperature: Ambient
      Exhaust Flow: 4,527.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.149 through S2.153, each,** shall not exceed **150.0** tons of **clinker, pozzolan, limestone, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day.
   b. The maximum allowable throughput rate for **S2.154 through S2.164, each,** shall not exceed **70.0** tons of **clinker, pozzolan, limestone, lime, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day.
   c. Hours
      (1) **S2.149 through S2.164, each,** may operate a total of **24** hours per day.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BR. Emission Units S2.149 through S2.164 (continued)

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse #1** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.11** pounds per hour, nor more than **0.48** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of **Baghouse #1** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.149 through S2.164, each,** shall not exceed **55.4** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.149 through S2.164, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.149 through S2.164, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.149 through S2.164** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.149 through S2.164** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BR. Emission Units S2.149 through S2.164 (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BS. Emission Units S2.165A through S2.167A

System 34F – Finish Mill #4 (Gebr. Pfeiffer Mill)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.165A	Bucket Elevator 1 to Finish Mill #4	4,388,095	305,616
S2.166A	Finish Mill #4		
S2.167A	Hot Gas Generator (22.185 MMBtu/hr)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.165A through S2.167A** shall be controlled by **Baghouse**.
   b. Descriptive Stack Parameters
      Stack Height: 100.0 feet
      Stack Diameter: 2.92 feet
      Stack Temperature: 206.6 °F
      Exhaust Flow: 20,184.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.167A** may consume only **natural gas**.
   b. The maximum allowable fuel consumption rate for **S2.167A** shall not exceed **21,749.5 standard cubic feet (scf)** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.165A and S2.166A, each,** shall not exceed **70.0** tons of **clinker, pozzolan, limestone, lime, gypsum, cement kiln dust, and fly ash** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.165A through S2.167A, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Baghouse** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **2.86** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **2.86** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.65** pounds per hour, nor more than **2.86** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.057** tons per 12-month rolling period.
   e. The discharge of **NO_x** (oxides of nitrogen) to the atmosphere shall not exceed **1.34** pounds per hour, nor more than **5.88** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.83** pounds per hour, nor more than **8.00** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.52** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of the **Baghouse** shall not equal or exceed **20** percent.
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.167A** shall not exceed **0.50** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.167A** shall not exceed **15.5** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.165A and S2.166A, each,** shall not exceed **47.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BS. Emission Units S2.165A through S2.167A (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Monitor and record the consumption rate of **natural gas** for each calendar day for **S2.167A** (in **scf**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in scf per hour) for **S2.167A** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.
   b. Clinker, pozzolan, limestone, lime, gypsum, cement kiln dust, and fly ash
      (1) Monitor and record the throughput for **S2.165A and S2.166A, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.165A and S2.166A, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.165A through S2.167A, each,** for each calendar day.
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.165A through S2.167A** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.165A through S2.167A** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BS. Emission Units S2.165A through S2.167A (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following: (continued)
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
   The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.
   b. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.165A through S2.167A**, as listed in **Table BS -1** below:

Table BS -1:
Part 64 CAM Monitoring for the controls on S2.165A through S2.167A

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BT. Emission Units S2.165B through S2.167B

System 34F – Finish Mill #4 (Cemengal (FLS) Mill)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.165B	Bucket Elevator 1 to Finish Mill #4	4,388,095	305,616
S2.166B	Finish Mill #4		
S2.167B	Hot Gas Generator (22.526 MMBtu/hr)		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.165B through S2.167B** shall be controlled by **Baghouse**.
   b. Descriptive Stack Parameters
      Stack Height: 100.0 feet
      Stack Diameter: 2.92 feet
      Stack Temperature: 199.4 °F
      Exhaust Flow: 44,853.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. **S2.167B** may consume only **natural gas**.
   b. The maximum allowable fuel consumption rate for **S2.167B** shall not exceed **22,084.1 standard cubic feet (scf)** per hour, averaged over a calendar day.
   c. The maximum allowable throughput rate for **S2.165B and S2.166B, each,** shall not exceed **70.0** tons of **clinker, pozzolan, limestone, lime, cement kiln dust, fly ash, and gypsum** per hour, averaged over a calendar day.
   d. Hours
      (1) **S2.165B through S2.167B, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Baghouse** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **1.44** pounds per hour, nor more than **6.29** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **1.44** pounds per hour, nor more than **6.29** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **1.44** pounds per hour, nor more than **6.29** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.013** pounds per hour, nor more than **0.058** tons per 12-month rolling period.
   e. The discharge of **NO_x** (oxides of nitrogen) to the atmosphere shall not exceed **1.36** pounds per hour, nor more than **5.97** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **1.86** pounds per hour, nor more than **8.13** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.12** pounds per hour, nor more than **0.53** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the exhaust stack of the **Baghouse** shall not equal or exceed **20** percent.
   i. NAC 445B.2203 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.167B** shall not exceed **0.50** pounds per MMBtu.
   j. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.167B** shall not exceed **15.8** pounds per hour.
   k. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.165B and S2.166B, each,** shall not exceed **47.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BT. Emission Units S2.165B through S2.167B (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Natural Gas
      (1) Monitor and record the consumption rate of **natural gas** for each calendar day for **S2.167B** (in **scf**) by use of a fuel flow meter.
      (2) Record the average hourly consumption rate (in scf per hour) for **S2.167B** using the total daily consumption rate and total daily hours of operation.
      (3) Record the consumption rate (in scf) on a cumulative monthly basis, for each 12-month rolling period.
   b. Clinker, pozzolan, limestone, lime, gypsum, cement kiln dust, and fly ash
      (1) Monitor and record the throughput for **S2.165B and S2.166B, each,** for each calendar day.
      (2) Record the average hourly throughput rate (in tons per hour) for **S2.165B and S2.166B, each,** using the total daily throughput rate and total daily hours of operation.
      (3) Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   c. Monitor and record the hours of operation for **S2.165B through S2.167B, each,** for each calendar day
   d. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.165B through S2.167B** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.
   e. Inspect the baghouse installed on **S2.165B through S2.167B** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A and Method 202 in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A and 202 test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 and Method 202 in Appendix M of 40 CFR Part 51 test. All particulate captured in the Method 5 and Method 202 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 6C in Appendix A of 40 CFR Part 60 shall be used to determine the sulfur dioxide concentration. Each test will be run for a minimum of one hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BT. Emission Units S2.165B through S2.167B (continued)

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following: (continued)
   g. Method 7E in Appendix A of 40 CFR Part 60 shall be used to determine the nitrogen oxides concentration. Each test will be run for a minimum of one hour.
   h. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.
   i. Method 10 in Appendix A of 40 CFR Part 60 shall be used to determine the carbon monoxide concentration. Each test will be run for a minimum of one hour.
   j. Method 25A in Appendix A of 40 CFR Part 60 shall be used to determine the volatile organic compound concentration. Method 18 in Appendix A of 40 CFR Part 60 or Method 320 in Appendix A of CFR Part 63 may be used in conjunction with Method 25A to break out the organic compounds that are not considered VOC's by definition per 40 CFR 51.100(s). Each Method 25A test will be run for a minimum of one hour.

6. Federal Requirements
   a. Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
   The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.
   b. Compliance Assurance Monitoring (CAM) – (40 CFR 64.1, et.seq.)
   The Permittee, upon issuance of this operating permit, shall conduct monitoring, recordkeeping, and reporting for the controls on **S2.165B through S2.167B**, as listed in **Table BT -1** below:

Table BT -1:
Part 64 CAM Monitoring for the controls on S2.165B through S2.167B

CAM Performance Indicator===>	**Pressure Drop**
Measurement Approach	Conduct and record a reading of the baghouse pressure drop daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Indicator Range	An excursion is defined as a pressure drop less than 2.0 inches of water or greater than 13.0 inches of water. Excursions trigger an inspection and corrective actions.
Measurement Locations	The pressure taps are located at the inlet and outlet of the baghouse.
Verification of Operational Status	Annually.
Quality Assurance/Quality Control	The gauge is a Magnehilic. The pressure taps are purged anytime there are continuous readings below 2.0 inches of water.
Monitoring Frequency	An instantaneous reading of the baghouse pressure drop is conducted and recorded daily. If the baghouse is not in operation, the record shall indicate it was not in operation.
Data Collection Procedures	An instantaneous reading of the baghouse pressure drop is recorded daily.
Averaging Periods	Instantaneous reading.
Operation of Approved Monitoring	Permittee shall comply with the applicable provisions of 40 CFR 64.7.
Reporting	Permittee shall comply with the applicable *General Reporting Requirements* set forth in 40 CFR 64.9(a).
Recordkeeping	Permittee shall comply with the applicable *General Recordkeeping Requirements* set forth in 40 CFR 64.9(b).

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BU. Emission Unit S2.168

System 35 – PAC Storage Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.168	PAC Storage Silo Loading [PAC Storage Silo Unloading to Ductwork is 100% Fully Enclosed]	4,387,929	305,819

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.168** shall be controlled by a **Baghouse**.
   b. Descriptive Stack Parameters
      Stack Height: 51.7 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,500.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.168** shall not exceed **5.0** tons of **carbon** per hour, averaged over a calendar day, nor more than **18,000.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.168** may operate a total of **24** hours per day.
      (2) **S2.168** may operate a total of **4,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Baghouse** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.064** pounds per hour, nor more than **0.13** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.064** pounds per hour, nor more than **0.13** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.064** pounds per hour, nor more than **0.13** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of the **Baghouse** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.168** shall not exceed **12.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.168** for each calendar day.
   b. Monitor and record the hours of operation for **S2.168** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   e. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BU. Emission Unit S2.168 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.168** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

g. Inspect the baghouse installed on **S2.168** on a **weekly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BV. Emission Unit S2.169

System 36 – Waste PAC Storage Silo		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.169	Waste PAC Storage Silo [Waste Storage Silo Unloading into Ductwork is 100% Fully Enclosed]	4,387,920	305,836

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.169** shall be controlled by a **Baghouse**.
   b. Descriptive Stack Parameters
      Stack Height: 53.3 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 600.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.169** shall not exceed **5.0** tons of **carbon** per hour, averaged over a calendar day, nor more than **18,000.0** tons per 12-month rolling period.
   b. Hours
      (1) **S2.169** may operate a total of **24** hours per day.
      (2) **S2.169** may operate a total of **4,000** hours per 12-month rolling period.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Baghouse** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.051** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.051** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.051** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the exhaust stack of the **Baghouse** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.169** shall not exceed **12.1** pounds per hour.

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
   The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.169** for each calendar day.
   b. Monitor and record the hours of operation for **S2.169** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   e. Record the monthly hours of operation and the corresponding annual hours of operation for each 12-month rolling period. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for each 12-month rolling period.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BV. Emission Unit S2.169 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405) (continued)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate. (continued)

f. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.169** on a **weekly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the weekly visible emissions, and any corrective actions taken.

g. Inspect the baghouse installed on **S2.169** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BW. Emission Units S2.170 through S2.179

System 37 – Carpet Shredding Operation		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.170	Primary Shredder and associated transfers (In from Conveyor Belt BC-001, Out to Reversing Belt BC-002)	4,388,195	305,886
S2.171	Reversing Belt BC-002 to Conveyor Belt BC-004		
S2.172	Reversing Belt BC-004 to Drag Chain DG-001		
S2.173	Drag Chain DG-001 to Walking Floor Trailer #1		
S2.174	Drag Chain DG-001 to Walking Floor Trailer #2		
S2.175	Reversing Belt BC-002 to Conveyor Belt BC-003		
S2.176	Secondary Shredder/Crusher/Mill and associated transfers (In from Conveyor Belt BC-003, Out to Shaker Screen)		
S2.177	Shaker Screen and associated transfers (In from Secondary Shredder/Crusher/Mill, Out to Conveyor Belt BC-005 or Conveyor Belt BC-004)		
S2.178	Conveyor Belt BC-005 to Bag Loader		
S2.179	Bag Loading		

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.170 through S2.179** shall be controlled by a **Baghouse**.
   b. Descriptive Stack Parameters
      Stack Height: 40.0 feet
      Stack Diameter: 1.00 feet
      Stack Temperature: Ambient
      Exhaust Flow: 3,000.0 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.170 through S2.179, each,** shall not exceed **120.0** tons of **carpet** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.170 through S2.179, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of the **Baghouse** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.051** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.051** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.051** pounds per hour, nor more than **0.23** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from the **Baghouse** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.170 through S2.179, each,** shall not exceed **21.7** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BW. Emission Units S2.170 through S2.179 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.170 through S2.179, each,** for each calendar day.
   b. Monitor and record the hours of operation for **S2.170 through S2.179, each,** for each calendar day.
   c. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   d. Record the throughput rate of material (in tons) on a cumulative monthly basis, for each 12-month rolling period.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.170 through S2.179** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.170 through S2.179** in accordance with the Dust Collector Routine Maintenance Plan dated January 5, 2009 and record the results and any corrective actions taken.

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

6. Federal Requirements
Prevent of Significant Deterioration of Air Quality (PSD) – 40 CFR Part 52.21
The Permittee, upon issuance of this operating permit, shall comply with the PSD Source Obligation requirements set forth in **Section IX** of this operating permit.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BX. Emission Units S2.182 and S2.183

System 38 – New Railcar Cement Unloading System (DC-001) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.182	Rail Unloading to Air Slide (AS-004)	4,387,974	305,674
S2.183	Air Slide (AS-004) to Bucket Elevator Tail (BE-001)	4,387,974	305,674

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.182 and S2.183, combined,** shall be controlled by **Baghouse (DC-001)**.
   b. Descriptive Stack Parameters
      Stack Height: 47.0 feet
      Stack Diameter: 0.92 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,825 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.182 and S2.183, each,** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.182 and S2.183, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-001)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.078** pounds per hour, nor more than **0.34** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.078** pounds per hour, nor more than **0.34** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.028** pounds per hour, nor more than **0.12** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-001)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.182 and S2.183, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BX. Emission Units S2.182 and S2.183 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.182 and S2.183, each,** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.182 and S2.183, each,** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.182 and S2.183** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.182 and S2.183** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BX. Emission Units S2.182 and S2.183 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-001)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BY. Emission Unit S2.184

System 39 – New Railcar Cement Unloading System (DC-002) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.184	Bucket Elevator Head (BE-001) to Air Slide (AS-021) [Air Slide (AS-021) to Air Slide (AS-024) is fully enclosed]	4,387,982	305,668

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.184** shall be controlled by **Baghouse (DC-002)**.
   b. Descriptive Stack Parameters
      Stack Height: 52.0 feet
      Stack Diameter: 0.67 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,000 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.184** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.184** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-002)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.066** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-002)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.184** shall not exceed **64.8** pounds per hour.

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Section IV. Specific Operating Conditions (continu7ed)

BY. Emission Unit S2.184 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.184** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.184** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.184** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.184** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BY. Emission Unit S2.184 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-002)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BZ. Emission Units S2.185 and S2.186

System 40 – New Railcar Cement Unloading System (DC-003) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.185	Air Slide (AS-103) or (AS-804) to Air Slide (AS-400)	4,387,993	305,632
S2.186	Air Slide (AS-400) to Bucket Elevator Tail (BE-003)	4,387,993	305,632

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.185 and S2.186, combined,** shall be controlled by **Baghouse (DC-003)**.
   b. Descriptive Stack Parameters
      Stack Height: 129.0 feet
      Stack Diameter: 1.17 feet
      Stack Temperature: Ambient
      Exhaust Flow: 3,000 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.185 and S2.186, each,** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.185 and S2.186, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-003)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.56** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.13** pounds per hour, nor more than **0.56** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.045** pounds per hour, nor more than **0.20** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-003)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.185 and S2.186, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BZ. Emission Units S2.185 and S2.186 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.185 and S2.186, each,** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.185 and S2.186, each,** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.185 and S2.186** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.185 and S2.186** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

BZ. Emission Units S2.185 and S2.186 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-003)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CA. Emission Unit S2.187

System 41 – New Railcar Cement Unloading System (DC-004) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.187	Bucket Elevator Head (BE-003) to Air Slide (AS-401) [Air Slide (AS-401) discharge to Silos #12 through #15 is fully enclosed]	4,387,990	305,625

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.187** shall be controlled by **Baghouse (DC-004)**.
   b. Descriptive Stack Parameters
      Stack Height: 129.0 feet
      Stack Diameter: 0.83 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,000 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.187** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.187** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-004)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.066** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-004)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.187** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CA. Emission Unit S2.187 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.187** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.187** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.187** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.187** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CA. Emission Unit S2.187 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-004)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CB. Emission Units S2.188 and S2.189

System 42 – New Railcar Cement Unloading System (DC-005) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.188	Air Slide (AS-023) or (cement dome) to Air Slide (AS-024)	4,388,026	305,679
S2.189	Air Slide (AS-024) to Bucket Elevator Tail (BE-002)	4,388,026	305,679

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.188 and S2.189, combined,** shall be controlled by **Baghouse (DC-005)**.
   b. Descriptive Stack Parameters
      Stack Height: 129.0 feet
      Stack Diameter: 0.83 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,750 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.188 and S2.189, each,** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.188 and S2.189, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-005)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.075** pounds per hour, nor more than **0.33** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.075** pounds per hour, nor more than **0.33** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.026** pounds per hour, nor more than **0.12** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-005)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.188 and S2.189, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CB. Emission Units S2.188 and S2.189 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.188 and S2.189, each,** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.188 and S2.189, each,** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.188 and S2.189** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.188 and S2.189** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CB. Emission Units S2.188 and S2.189 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-005)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CC. Emission Unit S2.190

System 43 – New Railcar Cement Unloading System (DC-006) (Added February 2029, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.190	Bucket Elevator Head (BE-002) to Air Slide (AS-801) [Air Slide (AS-801) transfers to Silos SI-001 through SI-008 are fully enclosed]	4,388,023	305,685

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.190** shall be controlled by **Baghouse (DC-006)**.
   b. Descriptive Stack Parameters
      Stack Height: 129.0 feet
      Stack Diameter: 0.67 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,000 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.190** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.190** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-006)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.066** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-006)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.190** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CC. Emission Unit S2.190 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.190** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.190** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.190** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.190** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CC. Emission Unit S2.190 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-006)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CD. Emission Units S2.191 and S2.192

System 44 – New Railcar Cement Unloading System (DC-007) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.191	Silos (SI-001) through (SI-008) unloading to Air Slide (AS-825)	4,388,010	305,690
S2.192	Air Slide (AS-825) to Bucket Elevator Tail (BE-004)	4,388,010	305,690

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.191 and S2.192, combined,** shall be controlled by **Baghouse (DC-007)**.
   b. Descriptive Stack Parameters
      Stack Height: 111.0 feet
      Stack Diameter: 0.75 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,400 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.191 and S2.192, each,** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.191 and S2.192, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-007)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.060** pounds per hour, nor more than **0.26** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.060** pounds per hour, nor more than **0.26** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.021** pounds per hour, nor more than **0.093** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-007)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.191 and S2.192, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CD. Emission Units S2.191 and S2.192 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.191 and S2.192, each,** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.191 and S2.192, each,** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.191 and S2.192** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.191 and S2.192** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CD. Emission Units S2.191 and S2.192 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-007)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CE. Emission Units S2.193 and S2.194

System 45 – New Railcar Cement Unloading System (DC-008) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.193	Silos (SI-001) through (SI-008) unloading to Air Slide (AS-830)	4,388,004	305,692
S2.194	Air Slide (AS-830) to Bucket Elevator Tail (BE-004)	4,388,004	305,692

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.193 and S2.194, combined,** shall be controlled by **Baghouse (DC-008)**.
   b. Descriptive Stack Parameters
      Stack Height: 111.0 feet
      Stack Diameter: 0.75 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,400 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.193 and S2.194, each,** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.193 and S2.194, each,** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-008)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.060** pounds per hour, nor more than **0.26** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.060** pounds per hour, nor more than **0.26** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.021** pounds per hour, nor more than **0.093** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-008)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.193 and S2.194, each,** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CE. Emission Units S2.193 and S2.194 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.193 and S2.194, each,** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.193 and S2.194, each,** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.193 and S2.194** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.193 and S2.194** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CE. Emission Units S2.193 and S2.194 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-008)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CF. Emission Unit S2.195

System 46 – New Railcar Cement Unloading System (DC-009) (Added February 2026, Air Case # 12592)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.195	Bucket Elevator Head (BE-004) to Air Slide (AS-100) [Air Slide (AS-100) transfers to North Rail Storage Bin 624 or South Storage Bin 625 are fully enclosed]	4,388,004	305,683

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. Emissions from **S2.195** shall be controlled by **Baghouse (DC-009)**.
   b. Descriptive Stack Parameters
      Stack Height: 70 feet
      Stack Diameter: 0.67 feet
      Stack Temperature: Ambient
      Exhaust Flow: 1,000 dry standard cubic feet per minute (dscfm)

2. Operating Parameters (NAC 445B.3405)
   a. The maximum allowable throughput rate for **S2.195** shall not exceed **350.0** tons of **cement, pozzolan, fly ash** per hour, averaged over a calendar day.
   b. Hours
      (1) **S2.195** may operate a total of **24** hours per day.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-009)** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.043** pounds per hour, nor more than **0.19** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.015** pounds per hour, nor more than **0.066** tons per 12-month rolling period.
   d. NAC 445B.22017 – The opacity from **Baghouse (DC-009)** shall not equal or exceed **20** percent.
   e. NAC 445B.22033 – The maximum allowable discharge of **PM_{10}** to the atmosphere from **S2.195** shall not exceed **64.8** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CF. Emission Unit S2.195 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the throughput for **S2.195** for each calendar day.
   b. Record the corresponding average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined from the total daily throughput and the total daily hours of operation.
   c. Record the throughput rate of material, in tons, on a cumulative monthly basis, for each 12-month rolling period.
   d. Monitor and record the hours of operation for **S2.195** for each calendar day.
   e. Conduct and record an observation of visible emissions (excluding water vapor) on the baghouse controlling **S2.195** on a **monthly** basis while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
   f. Inspect the baghouse installed on **S2.195** on a **monthly** basis in accordance with the manufacturer's operation and maintenance manual and record the results (e.g. the condition of the filter fabric), and any corrective actions taken.
   g. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Performance and Compliance Testing (NAC 445B.3405, (NAC 445B.252(1))
The Permittee, upon issuance of this operating permit, shall conduct and record renewal performance testing at least 90 days prior to the expiration of this operating permit, but no earlier than 365 days from the date of expiration of this operating permit, and every 5 years thereafter, in accordance with the following:
   a. All opacity compliance demonstrations and performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section **I.I.** Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All performance test results shall be based on the arithmetic average of three valid runs. (NAC 445B.252(5))
   b. Testing shall be conducted on the exhaust stack (post controls).
   c. Method 5 in Appendix A of 40 CFR Part 60 shall be used to determine PM emissions**.** The sample volume for each test run shall be at least 1.7 dscm (60 dscf). Test runs must be conducted for up to two hours in an effort to collect this minimum sample.
   d. Method 201A in Appendix M of 40 CFR Part 51 shall be used to determine PM_{10} and $PM_{2.5}$ emissions. The sample time and sample volume collected for each test run shall be sufficient to collect enough mass to weigh accurately.
   e. The Method 201A test required in this section may be replaced by a Method 5 in Appendix A of 40 CFR Part 60 test. All particulate captured in the Method 5 test performed under this provision shall be considered $PM_{2.5}$ for determination of compliance.
   f. Method 9 in Appendix A of 40 CFR Part 60 shall be used to determine opacity. Opacity observations shall be conducted concurrently with the applicable performance test. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15 second intervals), unless otherwise specified by an applicable subpart.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CF. Emission Unit S2.195 (continued)

6. Federal Requirements
   a. New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart F – Standards of Performance for Portland Cement Plants (40 CFR Part 60.60)
      (1) Standards
      The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from the exhaust stack of **Baghouse (DC-009)** which exhibit **10** percent opacity, or greater. (40 CFR 60.62(c))
      (2) Test Methods and Procedures
         (a) Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. (40 CFR 60.64(b)(2))
         (b) The Permittee must follow the appropriate monitoring procedures in 40 CFR 63.1350(f), (m)(1) through (4), (10) and (11), (o), and (p). (40 CFR 60.64(b)(3))
         (c) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) as required by Subpart F the Permittee must submit the results of the performance tests conducted to demonstrate compliance under Subpart F to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (http://www.epa.gov/cdx). Performance test data must be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see http://www.epa.gov/ttn/chief/ert/index.html). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. (40 CFR 60.64(d)(1))

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Section IV. Specific Operating Conditions (continued)

CG. Emission Unit S2.200

System 47 – LNB Emergency Generator (Added Month Year, Air Case # 12736)		Location UTM (Zone 11, NAD 83)	
		m North	m East
S2.200	LNB Emergency Generator (86.5 HP; Manufactured by Izuzu; Model:BR-4JJ1X; Engine Family: KSZXL03.0RXB; Manufactured 2019)	4,388,066	305,759

1. Air Pollution Control Equipment (NAC 445B.3405)
   a. **S2.200** has no add-on controls.
   b. Descriptive Stack Parameters
      Stack Height: 5.0 feet
      Stack Diameter: 0.33 feet
      Stack Temperature: 800 °F

2. Operating Parameters (NAC 445B.3405)
   a. **S2.200** may consume only **ultra-low sulfur diesel (ULSD)**.
   b. The maximum allowable fuel consumption rate for **S2.200** shall not exceed **4.40 gallons** per hour, averaged over a calendar day, nor more than **440.0 gallons** per 12-month rolling period of non-emergency use.
   c. Hours
      (1) **S2.200** may operate a total of **24** hours per day.
      (2) **S2.200** may operate a total of **100** hours per year of non-emergency use. There is no time limit on operation in emergency situations.

3. Emission Limits (NAC 445B.305, NAC 445B.3405)
   The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.200** the following pollutants in excess of the following specified limits:
   a. The discharge of **PM** (particulate matter) to the atmosphere shall not exceed **0.0028** pounds per hour, nor more than **0.00014** tons per 12-month rolling period.
   b. The discharge of **PM_{10}** (particulate matter less than or equal to 10 microns in diameter) to the atmosphere shall not exceed **0.0028** pounds per hour, nor more than **0.00014** tons per 12-month rolling period.
   c. The discharge of **$PM_{2.5}$** (particulate matter less than or equal to 2.5 microns in diameter) to the atmosphere shall not exceed **0.0028** pounds per hour, nor more than **0.00014** tons per 12-month rolling period.
   d. The discharge of **SO_2** (sulfur dioxide) to the atmosphere shall not exceed **0.18** pounds per hour, nor more than **0.0089** tons per 12-month rolling period.
   e. The discharge of **NO_X** (oxides of nitrogen) to the atmosphere shall not exceed **0.057** pounds per hour, nor more than **0.0028** tons per 12-month rolling period.
   f. The discharge of **CO** (carbon monoxide) to the atmosphere shall not exceed **0.71** pounds per hour, nor more than **0.036** tons per 12-month rolling period.
   g. The discharge of **VOCs** (volatile organic compounds) to the atmosphere shall not exceed **0.027** pounds per hour, nor more than **0.0014** tons per 12-month rolling period.
   h. NAC 445B.22017 – The opacity from the **S2.200** shall not equal or exceed **20** percent.
   i. NAC 445B.22047 – The maximum allowable discharge of **sulfur** to the atmosphere from **S2.200** shall not exceed **0.43** pounds per hour.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CG. Emission Unit S2.200 (continued)

4. Monitoring, Recordkeeping, and Reporting (NAC 445B.3405)
The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
   a. Monitor and record the consumption rate of **ULSD** for each calendar day for **S2.200** (in gallons) by multiplying the hourly fuel consumption rate as stated in **CG.2.b.** of this section and the total daily hours of operation. The corresponding average hourly fuel consumption rate in gallons per hour as provided on the manufacturer's specification, to be kept onsite with records.
   b. Record the consumption rate of **ULSD**, in gallons, on a cumulative monthly basis, for each 12-month rolling period.
   c. Keep on site, and make available upon request, documentation demonstrating the purchase and use of ULSD for **S2.200**.
   d. Monitor and record the total daily hours of operation for **S2.200** for each calendar day of operation. The Permittee shall note which hours of operation are emergency hours, and which hours of operation are hours for non-emergency use.
   e. Record the monthly hours of operation and the corresponding annual hours of operation for the year. The monthly hours of operation shall be determined at the end of each month as the sum of daily hours of operation for each day of the month. The annual hours of operation shall be determined at the end of each month as the sum of the monthly hours of operation for the year.
   f. Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (40 CFR 60.7(b))

5. Federal Requirements
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
   a. Emissions Standards (40 CFR 60.4205)
   The Permittee must comply with the emission standards for new non-road CI (compression ignition) ICE (internal combustion engine) in 40 CR 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE. (40 CFR 60.4205(b))
      (1) For a 2014 model year and later Tier 4 non-road engine with a rated power greater than or equal to 37 kW and less than 130 kW: (40 CFR 60.4202(a), 40 CFR 1039.101)
         (a) The discharge of PM to the atmosphere shall not exceed **0.02** grams/kW-hr.
         (b) The discharge of CO to the atmosphere shall not exceed **5.0** grams/kW-hr.
         (c) The discharge of NMHC (non-methane hydrocarbon) to the atmosphere shall not exceed **0.19** grams/kW-hr.
         (d) The discharge of NO_X to the atmosphere shall not exceed **0.40** gram/kW-hr.
      (2) Exhaust opacity must not exceed: (40 CFR 60.4202(a)(1)(i), 40 CFR 1039.105(b))
         (a) 20 percent during acceleration mode;
         (b) 15 percent during the lugging mode; and
         (c) 50 percent during the peaks in either the acceleration or lugging modes.
   b. Fuel Requirements (40 CFR 60.4207)
   The Permittee must meet the following diesel requirements for non-road engine: (40 CFR 60.4207(b), 40 CFR 1090.305)
      (1) Sulfur content to be 15 parts per million (ppm) maximum.
      (2) A minimum cetane index of 40; or
      (3) A maximum aromatic content of 35 volume percent.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CG. Emission Unit S2.200 (continued)

5. Federal Requirements (continued)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (continued)

c. Monitoring Requirements (40 CFR 60.4209)
If the CI ICE does not meet the standards applicable to non-emergency engines, the Permittee must install a non-resettable hour meter prior to startup of the engine. (40 CFR 60.4209(a))

d. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211)

(1) The Permittee must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine. (40 CFR 60.4206)

(2) The Permittee must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; change only those emission-related settings that are permitted by the manufacturer; and meet the requirements of 40 CFR Part 1068, except as permitted in **CG.5.d.(5)** of this section. (40 CFR 60.4211(a))

(3) The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in **CG.5.d.(5)** of this section. (40 CFR 60.4211(c))

(4) In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs **CG.5.d.(4)(a) through (c)** of this section, is prohibited. If the Permittee do not operate the engine according to the requirements in paragraphs **CG.5.d.(4)(a) through (c)** of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. (40 CFR 60.4211(f))

(a) There is no time limit on the use of emergency stationary ICE in emergency situations. (40 CFR 60.4211(f)(1))

(b) The Permittee may operate the Permittee's emergency stationary ICE for any combination of the purposes specified in paragraphs **CG.5.d.(4)(b)** of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph **CG.5.d.(4)(c)** of this section counts as part of the 100 hours per calendar year. (40 CFR 60.4211(f)(2))

i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. (40 CFR 60.4211(f)(2)(i))

(c) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph **CG.5.d.(4)(b)** of this section. Except as provided in paragraph **CG.5.d.(4)(c)** of this section, the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. (40 CFR 60.4211(f)(3))

i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 60.4211(f)(3)(i)(A) through (E) are met. (40 CFR 60.4211(f)(3)(i))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IV. Specific Operating Conditions (continued)

CG. Emission Unit S2.200 (continued)

5. Federal Requirements (continued)
New Source Performance Standards (NSPS) – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (continued)

d. Compliance Requirements (40 CFR 60.4206, 40 CFR 60.4211) (continued)

(5) If the Permittee does not install, configure, operate, and maintain the Permittee's engine and control device according to the manufacturer's emission-related written instructions, or the Permittee change emission-related settings in a way that is not permitted by the manufacturer, the Permittee must demonstrate compliance as follows: (40 CFR 4211(g))

(a) For CI ICE with a maximum engine power less than 100 hp, the Permittee must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the Permittee do not install and configure the engine and control device according to the manufacturer's emission-related written instructions, or the Permittee change the emission-related settings in a way that is not permitted by the manufacturer, the Permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of such action. (40 CFR 60.4211(g)(1))

e. National Emission Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63, Subpart ZZZZ – Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:
If the compression ignition engine meets the requirements of 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ requirements are also met. (40 CFR Part 63.6590(c))

******End of Specific Operating Conditions******

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry

A. Emission Standards (40 CFR 63.1343, Table 1)

1. *General*. The provisions in 40 CFR 63.1343 apply to each kiln and any alkali bypass associated with that kiln, clinker cooler, raw material dryer, and open clinker storage pile. All D/F, HCl, and total hydrocarbon (THC) emissions limit are on a dry basis. The D/F, HCl, and THC limits for kilns are corrected to 7 percent oxygen. All THC emissions limits are measured as propane. Standards for mercury and THC are based on a rolling 30-day average. If using a CEMS to determine compliance with the HCl standard, this standard is based on a rolling 30-day average. The Permittee must ensure appropriate corrections for moisture are made when measuring flow rates used to calculate mercury emissions. The 30-day period means all operating hours within 30 consecutive kiln operating days excluding periods of startup and shutdown. All emissions limits for kilns, clinker coolers, and raw material dryers currently in effect that are superseded by the limits below continue to apply until the compliance date of the limits below, or until the source certifies compliance with the limits below, whichever is earlier. (40 CFR 63.1343(a))
2. The Permittee must comply with the following emission limits for the **existing raw material dryer in Systems 06, 06A, and 06B, each,** during normal operation located at an area source of HAPS. (40 CFR 63.1343(b), Table 1)
   a. The discharge of **THC** to the atmosphere shall not exceed **24** ppmvd, based on a 30-day rolling average.
3. The Permittee must comply with the following emission limits for the **existing kiln in Systems 09 and 09A, each,** during normal operation located at an area source of HAPS. (40 CFR 63.1343(b), Table 1)
   a. The discharge of **Filterable PM** (particulate matter) to the atmosphere shall not exceed **0.07** lb/ton of clinker.
   b. The discharge of **D/F** (dioxins and furans) to the atmosphere shall not exceed **0.2** ng/dscm with a **7** percent oxygen correction factor with the average baghouse inlet temperature of greater than 400˚F or **0.40** ng/dscm with a 7 percent oxygen correction factor with the average baghouse inlet temperature of 400˚F or less.
   c. The discharge of **Hg** (mercury) to the atmosphere shall not exceed **55** lb/MM tons of clinker, based on a 30-day rolling average.
   d. The discharge of **THC** (total hydrocarbon) to the atmosphere shall not exceed **24** ppmvd with a **7** percent oxygen correction factor, based on a 30-day rolling average.
4. The Permittee must comply with the following emission limits for an **existing clinker cooler in Systems 10 and 16, each,** during normal operation located at an area source of HAPS. (40 CFR 63.1343(b), Table 1)
   a. The discharge of **Filterable PM** to the atmosphere shall not exceed **0.07** lb/ton of clinker.
5. The Permittee must comply with the following emission limits for the **existing kiln in Systems 15 and 15A, each,** during normal operation located at an area source of HAPS. (40 CFR 63.1343(b), Table 1)
   a. The discharge of **Filterable PM** to the atmosphere shall not exceed **0.07** lb/ton of clinker.
   b. The discharge of **D/F** to the atmosphere shall not exceed **0.2** ng/dscm with a **7** percent oxygen correction factor with the average baghouse inlet temperature of greater than 400˚F or **0.40** ng/dscm with a 7 percent oxygen correction factor with the average baghouse inlet temperature of 400˚F or less.
   c. The discharge of **Hg** to the atmosphere shall not exceed **55** lb/MM tons of clinker, based on a 30-day rolling average.
   d. The discharge of **THC** to the atmosphere shall not exceed **24** ppmvd with a **7**percent oxygen correction factor, based on a 30-day rolling average.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry

B. Operating Limits for Kilns (40 CFR 63.1346)

1. The Permittee of a kiln subject to a D/F emissions limitation under 40 CFR 63.1343 must operate the kiln such that the temperature of the gas at the inlet to the kiln PM control device (PMCD) and alkali bypass PMCD, if applicable, does not exceed the applicable temperature limit specified in paragraph (b) of 40 CFR 63.1346. (40 CFR 63.1346 (a))
2. The temperature limit for affected sources meeting the limits of 40 CFR 63.1346(a) or paragraphs (a)(1) through (a)(3) of 40 CFR 63.1346 is determined in accordance with 40 CFR 63.1349(b)(3)(iv). (40 CFR 63.1346 (b))
3. No kiln may 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 facility can demonstrate that 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 facility has the burden of proving there has been no emissions increase over baseline. Once the kiln is in compliance with a mercury emissions limit specified in 40 CFR 63.1343, this paragraph no longer applies. (40 CFR 63.1346(f))
4. During periods of startup and shutdown the Permittee must meet the following requirements (40 CFR 63.1346(g)(1) through (4)):
   a. During startup the Permittee must use any one or combination of the following clean fuels: natural gas, synthetic natural gas, propane, distillate oil, synthesis gas (syngas), and ultra-low sulfur diesel (ULSD) until the kiln reaches a temperature of 1200 degrees Fahrenheit.
   b. Combustion of the primary kiln fuel may commence once the kiln temperature reaches 1200 degrees Fahrenheit.
   c. The Permittee must keep records as specified in 40 CFR 63.1355 during periods of startup and shutdown.

C. Operation and Maintenance Plan (40 CFR 63.1347)

1. The Permittee must prepare a written operations and maintenance plan. The plan must be submitted to the Administrator for review and approval as part of the application for a Part 70 permit and must include the following information (40 CFR 63.1347(a)(1) through (3)):
   a. Procedures for proper operation and maintenance of the affected source and air pollution control devices in order to meet the emissions limits and operating limits, including fugitive dust control measures for open clinker piles of 40 CFR 63.1343, 63.1345, and 63.1346. The operations and maintenance plan must address periods of startup and shutdown.
   b. Corrective actions to be taken when required by 40 CFR 63.1350(f)(3);
   c. Procedures to be used during an inspection of the components of the combustion system of each kiln and each in-line kiln raw mill located at the facility at least once per year.
2. Failure to comply with any provision of the operations and maintenance plan developed in accordance with 40 CFR 63.1347 is a violation of the standard. (40 CFR 63.1347(b))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

D. Compliance Requirements (40 CFR 63.1348)

1. *Continuous Monitoring Requirements*. The Permittee must demonstrate compliance with the emissions standards and operating limits by using the performance test methods and procedures in 40 CFR 63.1350 and 63.8 for each affected source. (40 CFR 63.1348(b))
   a. *General Requirements.* (40 CFR 63.1348(b)(1))
      (1) The Permittee must monitor and collect data according to 40 CFR 63.1350 and the site-specific monitoring plan required by 40 CFR 63.1350(p). (40 CFR 63.1348(b)(1)(i))
      (2) Except for periods of startup and shutdown, monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee must operate the monitoring system and collect data at all required intervals at all times the affected source is operating. (40 CFR 63.1348(b)(1)(ii))
      (3) The Permittee may not use data recorded during monitoring system startup, shutdown or malfunctions or repairs associated with monitoring system malfunctions in calculations used to report emissions or operating levels. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. The Permittee must use all the data collected during all other periods in assessing the operation of the control device and associated control system. (40 CFR 63.1348(b)(1)(iii))
      (4) *Clinker Production*. The Permittee must determine the hourly production rate of clinker according to the requirements of 40 CFR 63.1350(d). (40 CFR 63.1348(b)(1)(iv))
   b. *PM Compliance*. The Permittee must use the monitoring methods and procedures in 40 CFR 63.1350(b) and (d). (40 CFR 63.1348(b)(2))
   c. *D/F Compliance*. The Permittee must demonstrate compliance using a continuous monitoring system (CMS) that is installed, operated and maintained to record the temperature of specified gas streams in accordance with the requirements of 40 CFR 63.1350(g). (40 CFR 63.1348(b)(4))
   d. *THC Compliance*. The Permittee must demonstrate compliance using the monitoring methods and procedures in 40 CFR 63.1350(i) and (j). THC must be measured either upstream of the coal mill or in the coal mill stack. (40 CFR 63.1348(b)(6)(i) and (ii))
   e. *Mercury Compliance*. The Permittee must demonstrate compliance using the monitoring methods and procedures in 40 CFR 63.1350(k). If the Permittee uses an integrated sorbent trap monitoring system to determine ongoing compliance, use the procedures described in 40 CFR 63.1348(a)(5) to assign hourly mercury concentration values and to calculate rolling 30 operating day emissions rates. Since the Permittee assigns the mercury concentration measured with the sorbent trap to each relevant hour respectively for each operating day of the integrated period, the Permittee may schedule the sorbent trap change periods to any time of the day (i.e., the sorbent trap replacement need not be scheduled at 12:00 midnight nor must the sorbent trap replacements occur only at integral 24-hour intervals). Mercury must be measured either upstream of the coal mill or in the coal mill stack. (40 CFR 63.1348(b)(7)(i) and (ii))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

D. Compliance Requirements (40 CFR 63.1348) (continued)

2. *Changes in operations*. (40 CFR 63.1348(c))
   a. If the Permittee plans to undertake a change in operations that may adversely affect compliance with an applicable standard, operating limit, or parametric monitoring value under this subpart, the source must conduct a performance test as specified in 40 CFR 63.1349(b). (40 CFR 63.1348(c)(1))
   b. In preparation for and while conducting a performance test required in 40 CFR 63.1349(b), the Permittee may operate under the planned operational change conditions for a period not to exceed 360 hours, provided that the conditions in (c)(2)(i) through (c)(2)(iv) of 40 CFR 63.1348 are met. The Permittee must submit temperature and other monitoring data that are recorded during the pretest operations. (40 CFR 63.1348(c)(2))
      (1) The Permittee must provide the Administrator written notice at least 60 days prior to undertaking an operational change that may adversely affect compliance with an applicable standard under this subpart for any source, or as soon as practicable where 60 days advance notice is not feasible. Notice provided under this paragraph must include a description of the planned change, the emissions standards that may be affected by the change, and a schedule for completion of the performance test required under paragraph (c)(1) of 40 CFR 63.1348, including when the planned operational change period would begin. (40 CFR 63.1348(c)(2)(i))
      (2) The performance test results must be documented in a test report according to 40 CFR 63.1349(a). (40 CFR 63.1348(c)(2)(ii)
      (3) A test plan must be made available to the Administrator prior to performance testing, if requested. (40 CFR 63.1348(c)(2)(iii)
      (4) The performance test must be completed within 360 hours after the planned operational change period begins. (40 CFR 63.1348(c)(2)(iv)

3. *General duty to minimize emissions*. At all times the Permittee must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. (40 CFR 63.1348(d))

E. Performance Testing Requirements (40 CFR 63.1349)

1. The Permittee must document performance test results in complete test reports that contain the information required by paragraphs (a)(1) through (10) of 40 CFR 63.1349, as well as all other relevant information. As described in 40 CFR 63.7(c)(2)(i), the Permittee must make available to the Administrator prior to testing, if requested, the site-specific test plan to be followed during performance testing. (40 CFR 63.1349(a))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350)

1. Following the compliance date, the Permittee must demonstrate compliance with Subpart LLL on a continuous basis by meeting the requirements of this section. (40 CFR 63.1350(a)(1))
2. For each existing unit that is equipped with a CMS, maintain the average emissions or the operating parameter values within the operating parameter limits established through performance tests. (40 CFR 63.1350(a)(3))
3. Any instance where the Permittee fails to comply with the continuous monitoring requirements of this section is a violation. (40 CFR 63.1350(a)(4))
4. *PM monitoring requirements*. (40 CFR 63.1350(b))
   a. The Permittee will use a PM CPMS to establish a site-specific operating limit corresponding to the results of the performance test demonstrating compliance with the PM limit. The Permittee will conduct the performance test using Method 5 or Method 5I at Appendix A-3 to 40 CFR Part 60. The Permittee will use the PM CPMS to demonstrate continuous compliance with this operating limit. The Permittee must repeat the performance test annually and reassess and adjust the site-specific operating limit in accordance with the results of the performance test using the procedures in 40 CFR 63.1349(b)(1) (i) through (vi) of Subpart LLL. The Permittee must also repeat the test if you change the analytical range of the instrument, or if the Permittee replaces the instrument itself or any principle analytical component of the instrument that would alter the relationship of output signal to in-stack PM concentration. (40 CFR 63.1350(b)(1)(i))
   b. To determine continuous compliance, the Permittee must use the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out-of-control. The Permittee must demonstrate continuous compliance by using all quality-assured hourly average data collected by the PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit (milliamps) on a 30 operating day rolling average basis, updated at the end of each new kiln operating day. (40 CFR 63.1350(b)(1)(ii))
   c. For any exceedance of the 30 process operating day PM CPMS average value from the established operating parameter limit, the Permittee must (40 CFR 63.1350(b)(1)(iii)(A) through (C)):
      (1) Within 48 hours of the exceedance, visually inspect the APCD;
      (2) If inspection of the APCD identifies the cause of the exceedance, take corrective action as soon as possible and return the PM CPMS measurement to within the established value; and
      (3) Within 30 days of the exceedance or at the time of the annual compliance test, whichever comes first, conduct a PM emissions compliance test to determine compliance with the PM emissions limit and to verify or re-establish the PM CPMS operating limit within 45 days. The Permittee is not required to conduct additional testing for any exceedances that occur between the time of the original exceedance and the PM emissions compliance test required under this paragraph.
   d. PM CPMS exceedances leading to more than four required performance tests in a 12-month process operating period (rolling monthly) constitute a presumptive violation of Subpart LLL. (40 CFR 63.1350(b)(1)(iv))
5. *Clinker production monitoring requirements*. In order to determine clinker production, the Permittee must (40 CFR 63.1350(d)):
   a. Determine hourly clinker production by one of two methods (40 CFR 63.1350(d)(1)):
      (1) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of clinker produced. The system of measuring hourly clinker production must be maintained within ±5 percent accuracy, or (40 CFR 63.1350(d)(1)(i))
      (2) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of feed to the kiln. The system of measuring feed must be maintained within ±5 percent accuracy. Calculate the hourly clinker production rate using a kiln-specific feed to clinker ratio based on reconciled clinker production determined for accounting purposes and recorded feed rates. Update this ratio monthly. Note that if this ratio changes at clinker reconciliation, you must use the new ratio going forward, but do not have to retroactively change clinker production rates previously estimated. (40 CFR 63.1350(d)(1)(ii))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

5. *Clinker production monitoring requirements*. In order to determine clinker production, the Permittee must (40 CFR 63.1350(d)): (continued)
   - b. Determine, record, and maintain a record of the accuracy of the system of measuring hourly clinker production (or feed mass flow if applicable) before initial use (for new sources) or by the effective compliance date of this rule (for existing sources). During each quarter of source operation, the Permittee must determine, record, and maintain a record of the ongoing accuracy of the system of measuring hourly clinker production (or feed mass flow). (40 CFR 63.1350(d)(2))
   - c. If the Permittee measures clinker production directly, record the daily clinker production rates; if the Permittee measures the kiln feed rates and calculate clinker production, record the hourly kiln feed and clinker production rates. (40 CFR 63.1350(d)(3))
   - d. Develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (p)(4) of 40 CFR 63.1350. (40 CFR 63.1350(d)(4))

6. *D/F monitoring requirements*. The Permittee must comply with the monitoring requirements of paragraphs (g)(1) through (5) and (m)(1) through (4) of 40 CFR 63.1350 to demonstrate continuous compliance with the D/F emissions standard. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of 40 CFR 63.1350. (40 CFR 63.1350(g))
   - a. The Permittee must install, calibrate, maintain, and continuously operate a CMS to record the temperature of the exhaust gases from the kiln and alkali bypass, if applicable, at the inlet to, or upstream of, the kiln and/or alkali bypass PMCDs. (40 CFR 63.1350(g)(1))
     - (1) The temperature recorder response range must include zero and 1.5 times the average temperature established according to the requirements in 40 CFR 63.1349(b)(3)(iv). (40 CFR 63.1350(g)(1)(i))
     - (2) The calibration reference for the temperature measurement must be a National Institute of Standards and Technology calibrated reference thermocouple-potentiometer system or alternate reference, subject to approval by the Administrator. (40 CFR 63.1350(g)(1)(ii))
     - (3) The calibration of all thermocouples and other temperature sensors must be verified at least once every three months. (40 CFR 63.1350(g)(1)(iii))
   - b. The Permittee must monitor and continuously record the temperature of the exhaust gases from the kiln and alkali bypass, if applicable, at the inlet to the kiln and/or alkali bypass PMCD. (40 CFR 63.1350(g)(2))
   - c. The required minimum data collection frequency must be one minute. (40 CFR 63.1350(g)(3))
   - d. Every hour, record the calculated rolling three-hour average temperature using the average of 180 successive one-minute average temperatures. See 40 CFR 63.1349(b)(3). (40 CFR 63.1350(g)(4))
   - e. When the operating status of the raw mill of the in-line kiln/raw mill is changed from off to on or from on to off, the calculation of the three-hour rolling average temperature must begin anew, without considering previous recordings. (40 CFR 63.1350(g)(5))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

7. *THC Monitoring Requirements*. The Permittee must comply with the monitoring requirements of paragraphs (i)(1) and (i)(2) and (m)(1) through (m)(4) of 40 CFR 63.1350. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (p)(4) of 40 CFR 63.1350. (40 CFR 63.1350(i))
   a. The Permittee must install, operate, and maintain a THC continuous emission monitoring system in accordance with Performance Specification 8 or Performance Specification 8A of Appendix B to 40 CFR Part 60 and comply with all of the requirements for continuous monitoring systems found in the general provisions, Subpart A of Part 63. The Permittee must operate and maintain each CEMS according to the quality assurance requirements in Procedure 1 of Appendix F in 40 CFR Part 60. For THC continuous emission monitoring systems certified under Performance Specification 8A, conduct the relative accuracy test audits required under Procedure 1 in accordance with Performance Specification 8, Sections 8 and 11 using Method 25A in Appendix A to 40 CFR Part 60 as the reference method; the relative accuracy must meet the criteria of Performance Specification 8, Section 13.2. (40 CFR 63.1350(i)(1))
8. *Total organic HAP monitoring requirements*. If the Permittee is complying with the total organic HAP emissions limits, the Permittee must continuously monitor THC according to paragraphs (i)(1) and (2) of 40 CFR 63.1350 or in accordance with Performance Specification 8 or Performance Specification 8A of Appendix B to 40 CFR Part 60 and comply with all of the requirements for continuous monitoring systems found in the general provisions, Subpart A of Part 63. The Permittee must operate and maintain each CEMS according to the quality assurance requirements in Procedure 1 of Appendix F in 40 CFR Part 60. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of 40 CFR 63.1350. (40 CFR 63.1350(j))
9. *Mercury monitoring requirements*. The Permittee must install and operate a mercury continuous emissions monitoring system (Hg CEMS) in accordance with Performance Specification 12A (PS 12A) of Appendix B to 40 CFR Part 60 or an integrated sorbent trap monitoring system in accordance with Performance Specification 12B (PS 12B) of Appendix B to 40 CFR Part 60. The Permittee must monitor mercury continuously according to paragraphs (k)(1) through (5) of 40 CFR 63.1350. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of 40 CFR 63.1350. (40 CFR 63.1350(k))
   a. The Permittee must use a span value for any Hg CEMS that represents the mercury concentration corresponding to approximately two times the emissions standard and may be rounded up to the nearest multiple of 5 µg/m3 of total mercury or higher level if necessary to include Hg concentrations which may occur (excluding concentrations during in-line raw "mill off" operation). As specified in PS 12A, Section 6.1.1, the data recorder output range must include the full range of expected Hg concentration values which would include those expected during "mill off" conditions. Engineering judgments made and calculations used to determine the corresponding span concentration from the emission standard shall be documented in the site-specific monitoring plan and associated records. (40 CFR 63.1350(k)(1))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

9. *Mercury monitoring requirements*. The Permittee must install and operate a mercury continuous emissions monitoring system (Hg CEMS) in accordance with Performance Specification 12A (PS 12A) of Appendix B to 40 CFR Part 60 or an integrated sorbent trap monitoring system in accordance with Performance Specification 12B (PS 12B) of Appendix B to 40 CFR Part 60. The Permittee must monitor mercury continuously according to paragraphs (k)(1) through (5) of 40 CFR 63.1350. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of 40 CFR 63.1350. (40 CFR 63.1350(k)) (continued)

b. In order to quality assure data measured above the span value, the Permittee must use one of the four options in paragraphs (k)(2)(i) through (iv) of 40 CFR 63.1350. (40 CFR 63.1350(k)(2))

(1) Include a second span that encompasses the Hg emission concentrations expected to be encountered during "mill off" conditions. This second span may be rounded to a multiple of 5 µg/m3 of total mercury. The requirements of PS 12A, shall be followed for this second span with the exception that a RATA with the mill off is not required. (40 CFR 63.1350(k)(2)(i))

(2) Quality assure any data above the span value by proving instrument linearity beyond the span value established in paragraph (k)(1) of 40 CFR 63.1350 using the following procedure. Conduct a weekly "above span linearity" calibration challenge of the monitoring system using a reference gas with a certified value greater than your highest expected hourly concentration or greater than 75 percent of the highest measured hourly concentration. The "above span" reference gas must meet the requirements of PS 12A, Section 7.1 and must be introduced to the measurement system at the probe. Record and report the results of this procedure as you would for a daily calibration. The "above span linearity" challenge is successful if the value measured by the Hg CEMS falls within 10 percent of the certified value of the reference gas. If the value measured by the Hg CEMS during the above span linearity challenge exceeds ±10 percent of the certified value of the reference gas, the monitoring system must be evaluated and repaired and a new "above span linearity" challenge met before returning the Hg CEMS to service, or data above span from the Hg CEMS must be subject to the quality assurance procedures established in paragraph (k)(2)(iii) of 40 CFR 63.1350. In this manner all hourly average values exceeding the span value measured by the Hg CEMS during the week following the above span linearity challenge when the CEMS response exceeds ±20 percent of the certified value of the reference gas must be normalized using Equation 22. (40 CFR 63.1350(k)(2)(ii))

(Eq. 22)

(3) Quality assure any data above the span value established in paragraph (k)(1) of 40 CFR 63.1350 using the following procedure. Any time two consecutive 1-hour average measured concentrations of Hg exceeds the span value the Permittee must, within 24 hours before or after, introduce a higher, "above span" Hg reference gas standard to the Hg CEMS. The "above span" reference gas must meet the requirements of Performance Specification 12A, Section 7.1, must target a concentration level between 50 and 150 percent of the highest expected hourly concentration measured during the period of measurements above span, and must be introduced at the probe. While this target represents a desired concentration range that is not always achievable in practice, it is expected that the intent to meet this range is demonstrated by the value of the reference gas. Expected values may include "above span" calibrations done before or after the above span measurement period. Record and report the results of this procedure as for a daily calibration. The "above span" calibration is successful if the value measured by the Hg CEMS is within 20 percent of the certified value of the reference gas. If the value measured by the Hg CEMS exceeds 20 percent of the certified value of the reference gas, then the Permittee must normalize the one-hour average stack gas values measured above the span during the 24-hour period preceding or following the "above span" calibration for reporting based on the Hg CEMS response to the reference gas as shown in Equation 22. Only one "above span" calibration is needed per 24-hour period. (40 CFR 63.1350(k)(2)(iii))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

9. *Mercury monitoring requirements*. The Permittee must install and operate a mercury continuous emissions monitoring system (Hg CEMS) in accordance with Performance Specification 12A (PS 12A) of Appendix B to 40 CFR Part 60 or an integrated sorbent trap monitoring system in accordance with Performance Specification 12B (PS 12B) of Appendix B to 40 CFR Part 60. The Permittee must monitor mercury continuously according to paragraphs (k)(1) through (5) of 40 CFR 63.1350. The Permittee must also develop an emissions monitoring plan in accordance with paragraphs (p)(1) through (4) of 40 CFR 63.1350. (40 CFR 63.1350(k)) (continued)
   c. The Permittee must operate and maintain each Hg CEMS or an integrated sorbent trap monitoring system according to the quality assurance requirements in Procedure 5 of Appendix F to 40 CFR Part 60. During the RATA of integrated sorbent trap monitoring systems required under Procedure 5, the Permittee may apply the appropriate exception for sorbent trap section 2 breakthrough in (k)(3)(i) through (iv) of 40 CFR 63.1350 (40 CFR 63.1350(k)(3)(i) through (iv)):
      (1) For stack Hg concentrations >1 µg/dscm, ≤10% of section 1 mass;
      (2) For stack Hg concentrations ≤1 µg/dscm and >0.5 µg/dscm, ≤20% of section 1 mass;
      (3) For stack Hg concentrations ≤0.5 µg/dscm and >0.1 µg/dscm, ≤50% of section 1 mass; and
      (4) For stack Hg concentrations ≤0.1 µg/dscm, no breakthrough criterion assuming all other QA/QC specifications are met.
   d. Relative accuracy testing of mercury monitoring systems under Performance Specifications 12A, PS 12B, or Procedure 5 must be conducted at normal operating conditions. If a facility has an inline raw mill, the testing must occur with the raw mill on. (40 CFR 63.1350(k)(4))

10. *Parameter monitoring requirements*. If the Permittee has an operating limit that requires the use of a CMS, the Permittee must install, operate, and maintain each continuous parameter monitoring system (CPMS) according to the procedures in paragraphs (m)(1) through (4) of 40 CFR 63.1350 by the compliance date specified in 40 CFR 63.1351. The Permittee must also meet the applicable specific parameter monitoring requirements in 40 CFR 63.1350(m)(5) through (11) that are applicable. (40 CFR 63.1350(m))

11. *Continuous Flow Rate Monitoring System*. The Permittee must install, operate, calibrate, and maintain instruments, according to the requirements in paragraphs (n)(1) through (10) of 40 CFR 63.1350, for continuously measuring and recording the stack gas flow rate to allow determination of the pollutant mass emissions rate to the atmosphere from sources subject to an emissions limitation that has a pounds per ton of clinker unit and that is required to be monitored by a CEMS. (40 CFR 63.1350(n))
   a. The Permittee must install each sensor of the flow rate monitoring system in a location that provides representative measurement of the exhaust gas flow rate at the sampling location of the mercury CEMS, taking into account the manufacturer's recommendations. The flow rate sensor is that portion of the system that senses the volumetric flow rate and generates an output proportional to that flow rate. (40 CFR 63.1350(n)(1))
   b. The flow rate monitoring system must be designed to measure the exhaust flow rate over a range that extends from a value of at least 20 percent less than the lowest expected exhaust flow rate to a value of at least 20 percent greater than the highest expected exhaust flow rate. (40 CFR 63.1350(n)(2))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

11. *Continuous Flow Rate Monitoring System*. The Permittee must install, operate, calibrate, and maintain instruments, according to the requirements in paragraphs (n)(1) through (10) of 40 CFR 63.1350, for continuously measuring and recording the stack gas flow rate to allow determination of the pollutant mass emissions rate to the atmosphere from sources subject to an emissions limitation that has a pounds per ton of clinker unit and that is required to be monitored by a CEMS. (40 CFR 63.1350(n)) (continued)

c. The flow rate monitoring system must be equipped with a data acquisition and recording system that is capable of recording values over the entire range specified in paragraph (n)(2) of 40 CFR 63.1350. (40 CFR 63.1350(n)(4))

d. The signal conditioner, wiring, power supply, and data acquisition and recording system for the flow rate monitoring system must be compatible with the output signal of the flow rate sensors used in the monitoring system. (40 CFR 63.1350(n)(5))

e. The flow rate monitoring system must be designed to complete a minimum of one cycle of operation for each successive 15-minute period. (40 CFR 63.1350(n)(6))

f. The flow rate sensor must have provisions to determine the daily zero and upscale calibration drift (CD) (see sections 3.1 and 8.3 of Performance Specification 2 in Appendix B to 40 CFR Part 60 for a discussion of CD). (40 CFR 63.1350(n)(7))

(1) Conduct the CD tests at two reference signal levels, zero (e.g., 0 to 20 percent of span) and upscale (e.g., 50 to 70 percent of span). (40 CFR 63.1350(n)(7)(i))

(2) The absolute value of the difference between the flow monitor response and the reference signal must be equal to or less than 3 percent of the flow monitor span. (40 CFR 63.1350(n)(7)(ii))

g. The Permittee must perform an initial relative accuracy test of the flow rate monitoring system according to Section 8.2 of Performance Specification 6 of Appendix B to Part 60 of the chapter with the exceptions in paragraphs (n)(8)(i) and (n)(8)(ii) of 40 CFR 63.1350. (40 CFR 63.1350(n)(8))

(1) The relative accuracy test is to evaluate the flow rate monitoring system alone rather than a continuous emission rate monitoring system. (40 CFR 63.1350(n)(8)(i))

(2) The relative accuracy of the flow rate monitoring system shall be no greater than 10 percent of the mean value of the reference method data. (40 CFR 63.1350(n)(8)(ii))

h. The Permittee must verify the accuracy of the flow rate monitoring system at least once per year by repeating the relative accuracy test specified in 40 CFR 63.1350(n)(8). (40 CFR 63.1350(n)(9))

i The Permittee must operate the flow rate monitoring system and record data during all periods of operation of the affected facility including periods of startup, shutdown, and malfunction, except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments). (40 CFR 63.1350(n)(10))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

12. *Alternate monitoring requirements approval*. The Permittee may submit an application to the Administrator for approval of alternate monitoring requirements to demonstrate compliance with the emission standards of this subpart subject to the provisions of paragraphs (o)(1) through (6) of 40 CFR 63.1350. (40 CFR 63.1350(o))
    a. The Administrator will not approve averaging periods other than those specified in this section, unless the Permittee documents, using data or information, that the longer averaging period will ensure that emissions do not exceed levels achieved during the performance test over any increment of time equivalent to the time required to conduct three runs of the performance test. (40 CFR 63.1350(o)(1))
    b. If the application to use an alternate monitoring requirement is approved, the Permittee must continue to use the original monitoring requirement until approval is received to use another monitoring requirement. (40 CFR 63.1350(o)(2))
    c. The Permittee must submit the application for approval of alternate monitoring requirements no later than the notification of performance test. The application must contain the information specified in paragraphs (o)(3)(i) through (iii) of 40 CFR 63.1350 (40 CFR 63.1350(o)(3)(i) through (iii)):
        (1) Data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach;
        (2) A description of the proposed alternative monitoring requirement, including the operating parameter to be monitored, the monitoring approach and technique, the averaging period for the limit, and how the limit is to be calculated; and
        (3) Data or information documenting that the alternative monitoring requirement would provide equivalent or better assurance of compliance with the relevant emission standard.
    d. The Administrator will notify the Permittee of the approval or denial of the application within 90 calendar days after receipt of the original request, or within 60 calendar days of the receipt of any supplementary information, whichever is later. The Administrator will not approve an alternate monitoring application unless it would provide equivalent or better assurance of compliance with the relevant emission standard. Before disapproving any alternate monitoring application, the Administrator will provide (40 CFR 63.1350(o)(4)(i) and (ii)):
        (1) Notice of the information and findings upon which the intended disapproval is based; and
        (2) Notice of opportunity for the Permittee to present additional supporting information before final action is taken on the application. This notice will specify how much additional time is allowed for the Permittee to provide additional supporting information.
    e. The Permittee is responsible for submitting any supporting information in a timely manner to enable the Administrator to consider the application prior to the performance test. Neither submittal of an application, nor the Administrator's failure to approve or disapprove the application relieves the Permittee of the responsibility to comply with any provision of Subpart LLL. (40 CFR 63.1350(o)(5))
    f. The Administrator may decide at any time, on a case-by-case basis that additional or alternative operating limits, or alternative approaches to establishing operating limits, are necessary to demonstrate compliance with the emission standards of Subpart LLL. (40 CFR 63.1350(o)(6))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

F. Monitoring Requirements (40 CFR 63.1350) (continued)

13. *Development and submittal (upon request) of monitoring plans*. If the Permittee demonstrates compliance with any applicable emissions limit through performance stack testing or other emissions monitoring, the Permittee must develop a site-specific monitoring plan according to the requirements in paragraphs (p)(1) through (4) of 40 CFR 63.1350. This requirement also applies to the Permittee if the Permittee petitions the EPA Administrator for alternative monitoring parameters under paragraph (o) of 40 CFR 63.1350 and 40 CFR 63.8(f). (40 CFR 63.1350(p))
    a. For each CMS required in this section, the Permittee must develop, and submit to the permitting authority for approval upon request, a site-specific monitoring plan that addresses paragraphs (p)(1)(i) through (iii) of 40 CFR 63.1350. The Permittee must submit this site-specific monitoring plan, if requested, at least 30 days before the initial performance evaluation of the CMS. (40 CFR 63.1350(p)(1)(I) through (iii))
        (1) Installation of the CMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device);
        (2) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and
        (3) Performance evaluation procedures and acceptance criteria (e.g., calibrations).
    b. In the site-specific monitoring plan, the Permittee must also address paragraphs (p)(2)(i) through (iii) of 40 CFR 63.1350. (40 CFR 63.1350(p)(2)(i) through (iii))
        (1) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 63.8(c)(1), (c)(3), and (c)(4)(ii);
        (2) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 63.8(d); and
        (3) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 63.10(c), (e)(1), and (e)(2)(i).
    c. The Permittee must conduct a performance evaluation of each CMS in accordance with your site-specific monitoring plan. (40 CFR 63.1350(p)(3))
    d. The Permittee must operate and maintain the CMS in continuous operation according to the site-specific monitoring plan. (40 CFR 63.1350(p)(4))

G. Additional Test Methods (40 CFR 63.1352)

The Permittee conducting tests to determine the rates of emission of specific organic HAP from raw material dryers, and kilns at Portland cement manufacturing facilities, solely for use in applicability determinations under 40 CFR 63.1340 of Subpart LLL are permitted to use Method 320 of Appendix A to Part 63, or Method 18 of Appendix A to 40 CFR Part 60. (40 CFR 63.1352(b))

H. Notification Requirements (40 CFR 63.1353)

1. The notification provisions of 40 CFR Part 63, Subpart A that apply and those that do not apply to the Permittee of affected sources subject to Subpart LLL are listed in Table 1 of Subpart LLL. If any State requires a notice that contains all of the information required in a notification listed in this section, the Permittee may send the Administrator a copy of the notice sent to the State to satisfy the requirements of this section for that notification. (40 CFR 63.1353(a))
2. The Permittee shall comply with the notification requirements in 40 CFR 63.9 as follows (40 CFR 63.1353(b)):
    a. Initial notifications as required by 40 CFR 63.9(b) through (d). For the purposes of Subpart LLL, a Title V or 40 CFR Part 70 permit application may be used in lieu of the initial notification required under 40 CFR 63.9(b), provided the same information is contained in the permit application as required by 40 CFR 63.9(b), and the State to which the permit application has been submitted has an approved operating permit program under 40 CFR Part 70 and has received delegation of authority from the EPA. Permit applications shall be submitted by the same due dates as those specified for the initial notification. (40 CFR 63.1353(b)(1))
    b. Notification of performance tests, as required by 40 CFR 63.7 and 63.9(e). (40 CFR 63.1353(b)(2))
    c. Notification, as required by 40 CFR 63.9(g), of the date that the continuous emission monitor performance evaluation required by 40 CFR 63.8(e) is scheduled to begin. (40 CFR 63.1353(b)(4))
    d. Notification of compliance status, as required by 40 CFR 63.9(h). (40 CFR 63.1353(b)(5))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

H. Notification Requirements (40 CFR 63.1353) (continued)

2. The Permittee shall comply with the notification requirements in 40 CFR 63.9 as follows (40 CFR 63.1353(b)): (continued)

e. Within 48 hours of an exceedance that triggers retesting to establish compliance and new operating limits, notify the appropriate permitting agency of the planned performance tests. The notification requirements of 40 CFR 63.7(b) and 63.9(e) do not apply to retesting required for exceedances under Subpart LLL. (40 CFR 63.1353(b)(6))

I. Reporting Requirements (40 CFR 63.1354)

1. The reporting provisions of Subpart A of Part 63 that apply and those that do not apply to the Permittee of affected sources subject to Subpart LLL are listed in Table 1 of Subpart LLL. If any State requires a report that contains all of the information required in a report listed in this section, the Permittee may send the Administrator a copy of the report sent to the State to satisfy the requirements of this section for that report. (40 CFR 63.1354(a))

2. The Permittee shall comply with the reporting requirements specified in 40 CFR 63.10 of the general provisions of this Part 63, Subpart A as follows (40 CFR 63.1354(b)):

a. As required by 40 CFR 63.10(d)(2), the Permittee shall report the results of performance tests as part of the notification of compliance status. (40 CFR 63.1354(b)(1))

b. As required by 40 CFR 63.10(d)(3), the Permittee shall report the opacity results from tests required by 40 CFR 63.1349. (40 CFR 63.1354(b)(2))

c. As required by 40 CFR 63.10(d)(4), the Permittee required to submit progress reports as a condition of receiving an extension of compliance under 40 CFR 63.6(i) shall submit such reports by the dates specified in the written extension of compliance. (40 CFR 63.1354(b)(3))

d. As required by 40 CFR 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 40 CFR 63.8(e). The Permittee shall submit the report simultaneously with the results of the performance test. (40 CFR 63.1354(b)(6))

e. As required by 40 CFR 63.10(e)(3), the Permittee 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. (40 CFR 63.1354(b)(8))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

I. Reporting Requirements (40 CFR 63.1354) (continued)

2. The Permittee shall comply with the reporting requirements specified in 40 CFR 63.10 of the general provisions of this Part 63, Subpart A as follows (40 CFR 63.1354(b)): (continued)

f. The Permittee shall submit a summary report semiannually within 60 days of the reporting period to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The Permittee must use the appropriate electronic report in CEDRI for this subpart. Instead of using the electronic report in CEDRI for Subpart LLL, the Permittee may submit an alternate electronic file consistent with the extensible markup language (XML) schema listed on the CEDRI website (https://www.epa.gov/electronic-reporting-air-emissions/compliance-and-emissions-data-reporting-interface-cedri), once the XML schema is available. If the reporting form specific to Subpart LLL is not available in CEDRI at the time that the report is due, the Permittee must submit the report the Administrator at the appropriate address listed in 40 CFR 63.13. The Permittee must begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI. The excess emissions and summary reports must be submitted no later than 60 days after the end of the reporting period, regardless of the method in which the reports are submitted. The report must contain the information specified in 40 CFR 63.10(e)(3)(vi). In addition, the summary report shall include (40 CFR 63.1354(b)(9)(i) through (vii)):

(1) All exceedances of maximum control device inlet gas temperature limits specified in 40 CFR 63.1346(a) and (b);

(2) Notification of any failure to calibrate thermocouples and other temperature sensors as required under 40 CFR 63.1350(g)(1)(iii) of Subpart LLL; and

(3) Notification of any failure to maintain the activated carbon injection rate, and the activated carbon injection carrier gas flow rate or pressure drop, as applicable, as required under 40 CFR 63.1346(c)(2).

(4) Notification of failure to conduct any combustion system component inspections conducted within the reporting period as required under 40 CFR 63.1347(a)(3).

(5) Any and all failures to comply with any provision of the operation and maintenance plan developed in accordance with 40 CFR 63.1347(a).

(6) For each PM CPMS, HCl, Hg, and THC CEMS, SO_2 CEMS, or Hg sorbent trap monitoring system, within 60 days after the reporting periods, you must report all of the calculated 30-operating day rolling average values derived from the CPMS, CEMS, CMS, or Hg sorbent trap monitoring systems.

(7) In response to each violation of an emissions standard or established operating parameter limit, the date, duration and description of each violation and the specific actions taken for each violation including inspections, corrective actions and repeat performance tests and the results of those actions.

g. If the total continuous monitoring system downtime for any CEM or any CMS for the reporting period is 10 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. (40 CFR 63.1354(b)(10))

h. All reports required by Subpart LLL not subject to the requirements in paragraphs (b)(9) introductory text and (b)(11)(i) of 40 CFR 63.1354 must be sent to the Administrator at the appropriate address listed in 40 CFR 63.13. The Administrator or the delegated authority may request a report in any form suitable for the specific case (e.g., by commonly used electronic media such as Excel spreadsheet, on CD or hard copy). The Administrator retains the right to require submittal of reports subject to 40 CFR 63.1354 (b)(9) introductory text and 40 CFR 63.1354 (b)(11)(i) in paper format. (40 CFR 63.1354(b)(12))

3. For each failure to meet a standard or emissions limit caused by a malfunction at an affected source, the Permittee must report the failure in the semi-annual compliance report required by 40 CFR 63.1354(b)(9). The report must contain the date, time and duration, and the cause of each event (including unknown cause, if applicable), and a sum of the number of events in the reporting period. The report must list for each event the affected source or equipment, an estimate of the amount of each regulated pollutant emitted over the emission limit for which the source failed to meet a standard, and a description of the method used to estimate the emissions. The report must also include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 63.1348(d), including actions taken to correct a malfunction. (40 CFR 63.1354(c))

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Section V. NESHAP Subpart LLL – Portland Cement Manufacturing Industry (continued)

J. Recordkeeping Requirements (40 CFR 63.1355)

1. 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 40 CFR 63.10(b)(1). 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. (40 CFR 63.1355(a))
2. The Permittee shall maintain records for each affected source as required by 40 CFR 63.10(b)(2) and (b)(3); and (40 CFR 63.1355(b))
   a. All documentation supporting initial notifications and notifications of compliance status under 40 CFR 63.9 (40 CFR 63.1355(b)(1));
   b. All records of applicability determination, including supporting analyses; and (40 CFR 63.1355(b)(2))
   c. If the Permittee has been granted a waiver under 40 CFR 63.8(f)(6), any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements. (40 CFR 63.1355(b)(3))
3. In addition to the recordkeeping requirements in paragraph (b) of 40 CFR 63.1355, the Permittee of an affected source equipped with a continuous monitoring system shall maintain all records required by 40 CFR 63.10(c). (40 CFR 63.1355(c))
4. The Permittee must keep records of the daily clinker production rates according to the clinker production monitoring requirements in 40 CFR 63.1350(d). (40 CFR 63.1355(e))
5. The Permittee must keep records of the date, time and duration of each startup or shutdown period for any affected source that is subject to a standard during startup or shutdown that differs from the standard applicable at other times, and the quantity of feed and fuel used during the startup or shutdown period. (40 CFR 63.1355(f))
6. The Permittee must keep records of the date, time and duration of each malfunction that causes an affected source to fail to meet an applicable standard; if there was also a monitoring malfunction, the date, time and duration of the monitoring malfunction; the record must list the affected source or equipment, an estimate of the volume of each regulated pollutant emitted over the standard for which the source failed to meet a standard, and a description of the method used to estimate the emissions. (40 CFR 63.1355(g)(1))
7. The Permittee must keep records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.1348(d) including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (40 CFR 63.1355(g)(2))
8. For each exceedance from an emissions standard or established operating parameter limit, the Permittee must keep records of the date, duration and description of each exceedance and the specific actions taken for each exceedance including inspections, corrective actions and repeat performance tests and the results of those actions. (40 CFR 63.1355(h))

K. Sources with Multiple Emission Limit or Monitoring Requirements (40 CFR 63.1356)

If the Permittee has an affected source subject to Subpart LLL with a different emissions limit or requirement for the same pollutant under another regulation in 40 CFR, once the Permittee is in compliance with the most stringent emissions limit or requirement, the Permittee is not subject to the less stringent requirement. Until the Permittee is in compliance with the more stringent limit, the less stringent limit continues to apply.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013

A. Introduction

What is the purpose of this subpart?

Subpart IIIa establishes emission requirements and compliance schedules for the control of emissions from commercial and industrial solid waste incineration units (CISWI) that are not covered, or are only partially covered, by an EPA approved and currently effective state or tribal plan. The pollutants addressed by these emission requirements are listed in tables 4 through 7 to Subpart IIIa. These emission requirements are developed in accordance with Sections 111 and 129 of the Clean Air Act and 40 CFR Part 60, Subpart B. (40 CFR 62.14500a)

B. Applicability

Is the Permittee subject to this subpart?

1. The Permittee is subject to Subpart IIIa if the Permittee owns or operates a CISWI as defined in 40 CFR 62.14840a and the CISWI meets the criteria described in 40 CFR 62.14510a(a)(1) through (a)(3).
   a. Construction of the CISWI unit commenced on or before June 4, 2010, and have not been modified or reconstructed since August 7, 2013. (40 CFR 62.14510a(a)(1))
   b. The CISWI unit is not exempt under 40 CFR 62.14530a. (40 CFR 62.14510a(a)(2))
   c. The CISWI unit CISWI is not regulated by an EPA approved and currently effective state or tribal plan, or the CISWI is located in any state whose approved state or tribal plan is only approved in part. In the case of a state or tribal program that is approved in part, the federal plan applies to affected CISWI in lieu of the disapproved portions of the state or tribal program until the state or tribe plan addresses the deficiencies and the revised plan is approved by the EPA. (40 CFR 62.14510a(a)(3))

C. Compliance Schedule

When must the facility comply with this subpart if the facility plans to continue operation of the CISWI?

1. The facility must complete the compliance schedule requirements of 40 CFR 62.14535a(a)(1) through (5). (40 CFR 62.14535a(a))
   a. The Permittee must comply with the operating training and qualification requirements and inspection requirements 30 days after the date of publication in the Federal Register. (40 CFR 62.14535a(a)(1))
   b. The Permittee must submit a waste management plan no later than 30 days after the date of publication in the Federal Register. (40 CFR 62.14535a(a)(2))
   c. The Permittee must achieve final compliance by 30 days after the date of publication in the Federal Register. To achieve final compliance, the Permittee must incorporate all process changes and complete retrofit construction of control devices, so that, if the affected CISWI is brought online, all necessary process changes and air pollution control devices would operate as designed. (40 CFR 62.14535a(a)(3))
   d. The Permittee must conduct the initial performance test within 180 days after the date required to achieve final compliance under40 CFR 62.14535a(a)(3). (40 CFR 62.14535a(a)(4))
   e. The Permittee must submit an initial report including the results of the initial performance test no later than 60 days following the initial performance test (see 40CFR 62.14675a through 62.14735a for complete reporting and recordkeeping requirements). (40 CFR 62.14535a(a)(5))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

D. Waste Management Plan

1. What is a waste management plan?
A waste management plan is a written plan that identifies both the feasibility and the methods used to reduce or separate certain components of solid waste from the waste stream in order to reduce or eliminate toxic emissions from incinerated waste. (40 CFR 62.14550a)

2. When must the facility submit a waste management plan?
The facility must submit a waste management plan no later than 30 days after date of publication in the Federal Register or six months prior to commencing or recommencing burning solid waste, whichever is later. (40 CFR 62.14555a)

3. What should be included in the waste management plan?
A waste management plan must include consideration of the reduction or separation of waste-stream elements such as paper, cardboard, plastics, glass, batteries, or metals; or the use of recyclable materials. The plan must identify any additional waste management measures, and the source must implement those measures considered practical and feasible, based on the effectiveness of waste management measures already in place, the costs of additional measures, the emissions reductions expected to be achieved, and any other environmental or energy impacts they might have. (40 CFR 62.14560a)

E. Operator Training and Qualification

1. What are the operator training and qualification requirements?
   a. The Permittee must have a fully trained and qualified CISWI operator accessible at all times when the unit is in operation, either at the facility or able to be at the facility within one hour. The trained and qualified CISWI operator may operate the CISWI directly or be the direct supervisor of one or more other plant personnel who operate the unit. If all qualified CISWI operators are temporarily not accessible, the Permittee must follow the procedures in 40 CFR 62.14595a. (40 CFR 62.14565a(a))
   b. Operator training and qualification must be obtained through a state-approved program or by completing the requirements included in paragraph (c) of 40 CFR 62.14565a. (40 CFR 62.14565a(b))
   c. Training must be obtained by completing an incinerator operator training course that includes, at a minimum, the three elements described in paragraphs (c)(1) through (3) of 40 CFR 62.14565a. (40 CFR 62.14565a(c))
      (1) Training on the eleven subjects listed in paragraphs (c)(1)(i) through (xi) of 40 CFR 62.14565a. (40 CFR 62.14565a(c)(1)(i) through (xi))
         (a) Environmental concerns, including types of emissions.
         (b) Basic combustion principles, including products of combustion.
         (c) Operation of the specific type of incinerator to be used by the operator, including proper startup, waste charging, and shutdown procedures.
         (d) Combustion controls and monitoring.
         (e) Operation of air pollution control equipment and factors affecting performance (where applicable).
         (f) Inspection and maintenance of the incinerator and air pollution control devices.
         (g) Actions to correct malfunctions or conditions that may lead to malfunction.
         (h) Bottom and fly ash characteristics and handling procedures.
         (i) Applicable federal, state, and local regulations, including Occupational Safety and Health Administration workplace standards.
         (j) Pollution prevention.
         (k) Waste management practices.

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

E. Operator Training and Qualification (continued)

1. What are the operator training and qualification requirements? (continued)
   c. Training must be obtained by completing an incinerator operator training course that includes, at a minimum, the three elements described in paragraphs (c)(1) through (3) of 40 CFR 62.14565a. (40 CFR 62.14565a(c)) (continued)
      (2) An examination designed and administered by the instructor. (40 CFR 62.14565a(c)(2))
      (3) Written material covering the training course topics that can serve as reference material following completion of the course. (40 CFR 62.14565a(c)(3))

2. When must the operator training course be completed?
   a. The operator training course must be completed by the later of the three dates specified in paragraphs (a)(1) through (3) of 40 CFR 62.14570a. (40 CFR 62.14570a(a)(1) through (3))
      (1) 30 days after date of publication in the Federal Register.
      (2) Six months after CISWI startup; or
      (3) Six months after an employee assumes responsibility for operating the CISWI or assumes responsibility for supervising the operation of the CISWI.

3. How does the Permittee obtain operator qualification?
   a. The Permittee must obtain operator qualification by completing a training course that satisfies the criteria under 40 CFR 62.14565a(b). (40 CFR 62.14575a(a))
   b. Qualification is valid from the date on which the training course is completed and the operator successfully passes the examination required under 40 CFR 62.14565a(c)(2). (40 CFR 62.14575a(b))

4. How does the facility maintain operator qualification?
   To maintain qualification, the Permittee must complete an annual review or refresher course covering, at a minimum, the five topics described below. (40 CFR 62.14580a(a) through (e))
   a. Update of regulations.
   b. Incinerator operation, including startup and shutdown procedures, waste charging, and ash handling.
   c. Inspection and maintenance.
   d. Responses to malfunctions or conditions that may lead to malfunction.
   e. Discussion of operating problems encountered by attendees.

5. How does the facility renew lapsed operator qualification?
   The Permittee must renew a lapsed operator qualification by one of the two methods: (40 CFR 62.14585a(a) and (b))
   a. For a lapse of less than 3 years, the Permittee must complete a standard annual refresher course described in 40 CFR 62.14580a.
   b. For a lapse of 3 years or more, the Permittee must repeat the initial qualification requirements in 40 CFR 62.14575a(a).

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

E. Operator Training and Qualification (continued)

6. What site-specific documentation is required?

a. Documentation must be available at the facility and readily accessible for all CISWI operators that addresses the ten topics described in paragraphs (a)(1) through (10) of 40 CFR 62.14590a. The Permittee must maintain this information and the training records required by paragraph (c) of 40 CFR 62.14590a in a manner that they can be readily accessed and are suitable for inspection upon request. (40 CFR 62.14590a(a)(1) through (10))

(1) Summary of the applicable standards under this subpart.
(2) Procedures for receiving, handling, and charging waste.
(3) Incinerator startup, shutdown, and malfunction procedures.
(4) Procedures for maintaining proper combustion air supply levels.
(5) Procedures for operating the incinerator and associated air pollution control systems within the standards established under Subpart IIIa.
(6) Monitoring procedures for demonstrating compliance with the incinerator operating limits.
(7) Reporting and recordkeeping procedures.
(8) The waste management plan required under 40 CFR 62.14550a through 62.14560a.
(9) Procedures for handling ash.
(10) A list of the wastes burned during the performance test.

b. The Permittee must establish a program for reviewing the information listed in paragraph (a) of 40 CFR 62.14590a with each employee who operates the incinerator. (40 CFR 62.14590a(b))

(1) The initial review of the information listed in paragraph (a) of this section must be conducted by the later of the three dates specified below. (40 CFR 62.14590a(b)(1)(i) through (iii))
(a) 30 days after date of publication in the Federal Register.
(b) Six months after CISWI startup.
(c) Six months after being assigned to operate the CISWI.
(2) Subsequent annual reviews of the information listed in paragraph (a) of this section must be conducted no later than 12 months following the previous review. (40 CFR 62.14590a(b)(2))

c. The Permittee must also maintain the information specified below: (40 CFR 62.14590a(c))

(1) Records showing the names of all plant personnel who operate the CISWI who have completed review of the information in 40 CFR 62.14590a(a) as required by 40 CFR 62.14590a(b), including the date of the initial review and all subsequent annual reviews. (40 CFR 62.14590a(c)(1))
(2) Records showing the names of all plant personnel who operate the CISWI who have completed the operator training requirements under 40 CFR 62.14565a, met the criteria for qualification under 40 CFR 62.14575a, and maintained or renewed their qualification under 40 CFR 62.14580a or 40 CFR 62.14585a. Records must include documentation of training, the dates of the initial refresher training, and the dates of their qualification and all subsequent renewals of such qualifications. (40 CFR 62.14590a(c)(2))
(3) For each qualified operator, the phone and/or pager number at which they can be reached during operating hours. (40 CFR 62.14590a(c)(3))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

E. Operator Training and Qualification (continued)

7. What if all the qualified operators are temporarily not accessible?
If all qualified operators are temporarily not accessible (i.e., not at the facility and not able to be at the facility within 1 hour), the Permittee must meet one of the two criteria specified in paragraphs (a) and (b) of 40 CFR 62.14595a, depending on the length of time that a qualified operator is not accessible. (40 CFR 62.14595a)

a. When all qualified operators are not accessible for more than 8 hours, but less than 2 weeks, the CISWI may be operated by other plant personnel familiar with the operation of the CISWI who have completed a review of the information specified in 40 CFR 62.14590a(a) within the past 12 months. However, the Permittee must record the period when all qualified operators were not accessible and include this deviation in the annual report as specified under 40 CFR 62.14705a. (40 CFR 62.14595a(a))

b. When all qualified operators are not accessible for 2 weeks or more, the Permittee must take the two actions that are described below. (40 CFR 62.14595a(b))

(1) Notify the Administrator of this deviation in writing within 10 days. In the notice, state what caused this deviation, what the Permittee is doing to ensure that a qualified operator is accessible, and when the Permittee anticipates that a qualified operator will be accessible. (40 CFR 62.14595a(b)(1))

(2) Submit a status report to the Administrator every 4 weeks outlining what the Permittee is doing to ensure that a qualified operator is accessible, stating when the Permittee anticipates that a qualified operator will be accessible and requesting approval from the Administrator to continue operation of the CISWI. The Permittee must submit the first status report 4 weeks after the Permittee notifies the Administrator of the deviation under paragraph (b)(1) of 40 CFR 62.14595a. If the Administrator notifies the Permittee that the request to continue operation of the CISWI is disapproved, the CISWI may continue operation for 90 days, then must cease operation. Operation of the unit may resume if the Permittee meets the two requirements in paragraphs (b)(2)(i) and (ii) of 40 CFR 62.14595a. (40 CFR 62.14595a(b)(2))

(i) A qualified operator is accessible as required under 40 CFR 62.14565a(a). (40 CFR 62.14595a(b)(2)(i))

(ii) The Permittee notifies the Administrator that a qualified operator is accessible and that you are resuming operation. (40 CFR 62.14595a(b)(2)(ii))

F. Emission Limitation and Operating Limits

1. What emission limitation must the Permittee meet and by when?
The Permittee must meet the emission limitations for each CISWI specified in Table 6 to Subpart IIIa by 30 days after date of publication in the Federal Register. The emission limitations apply at all times the unit is operating including and not limited to startup, shutdown, or malfunction. (40 CFR 62.14600a(a))

2. What operating limits must the Permittee meet and by when?

a. The Permittee must meet the operating limits established on the date that the performance test report is submitted to the EPA's Central Data Exchange or postmarked, per the requirements of 40 CFR 62.14730a(b). (40 CFR 62.14605a(b))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

F. Emission Limitation and Operating Limits (continued)

2. What operating limits must the Permittee meet and by when? (continued)

b. The Permittee must establish the PM CPMS operating limit and determine compliance with it according to paragraphs (i)(1) through (5) of 40 CFR 62.14605a: (40 CFR 62.14605a(i))

(1) During the initial performance test or any subsequent performance test that demonstrates compliance with the PM limit, record all hourly average output values (milliamps, or the digital signal equivalent) from the PM CPMS for the periods corresponding to the test runs (e.g., three 1-hour average PM CPMS output values for three 1-hour test runs): (40 CFR 62.14605a(i)(1))

(a) The PM CPMS must provide a 4-20 milliamp output, or the digital signal equivalent, and the establishment of its relationship to manual reference method measurements must be determined in units of milliamps or digital bits; (40 CFR 62.14605a(i)(1)(i))

(b) The PM CPMS operating range must be capable of reading PM concentrations from zero to a level equivalent to at least two times the allowable emission limit. If the PM CPMS is an auto-ranging instrument capable of multiple scales, the primary range of the instrument must be capable of reading PM concentration from zero to a level equivalent to two times the allowable emission limit; and (40 CFR 62.14605a(i)(1)(ii))

(c) During the initial performance test or any subsequent performance test that demonstrates compliance with the PM limit, record and average all milliamp output values, or their digital equivalent, from the PM CPMS for the periods corresponding to the compliance test runs (e.g., average all the PM CPMS output values for three corresponding 2-hour Method 5 or Method 29 PM test runs). (40 CFR 62.14605a(i)(1)(iii))

(2) If the average of the three PM performance test runs are below 75 percent of the PM emission limit, the Permittee must calculate an operating limit by establishing a relationship of PM CPMS signal to PM concentration using the PM CPMS instrument zero, the average PM CPMS output values corresponding to the three compliance test runs, and the average PM concentration from the Method 5 or Method 29 performance test with the procedures below: (40 CFR 62.14605a(i)(2))

(a) Determine the instrument zero output with one of the following procedures: (40 CFR 62.14605a(i)(2)(i))

(i) Zero point data for in-situ instruments should be obtained by removing the instrument from the stack and monitoring ambient air on a test bench; (40 CFR 62.14605a(i)(2)(i)(A))

(ii) Zero point data for extractive instruments should be obtained by removing the extractive probe from the stack and drawing in clean ambient air; (40 CFR 62.14605a(i)(2)(i)(B))

(iii) The zero point can also be established by performing manual reference method measurements when the flue gas is free of PM emissions or contains very low PM concentrations (e.g., when the process is not operating, but the fans are operating or your source is combusting only natural gas) and plotting these with the compliance data to find the zero intercept; and (40 CFR 62.14605a(i)(2)(i)(C))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

F. Emission Limitation and Operating Limits (continued)

2. What operating limits must the Permittee meet and by when? (continued)

b. The Permittee must establish the PM CPMS operating limit and determine compliance with it according to paragraphs (i)(1) through (5) of 40 CFR 62.14605a: (40 CFR 62.14605a(i)) (continued)

(2) If the average of the three PM performance test runs are below 75 percent of the PM emission limit, the Permittee must calculate an operating limit by establishing a relationship of PM CPMS signal to PM concentration using the PM CPMS instrument zero, the average PM CPMS output values corresponding to the three compliance test runs, and the average PM concentration from the Method 5 or Method 29 performance test with the procedures below: (40 CFR 62.14605a(i)(2)) (continued)

(a) Determine the instrument zero output with one of the following procedures: (40 CFR 62.14605a(i)(2)(i)) (continued)

(iv) If none of the steps in paragraphs (i)(2)(i)(A) through (C) of 40 CFR 62.14605a are possible, the Permittee must use a zero output value provided by the manufacturer. (40 CFR 62.14605a(i)(2)(i)(D))

(b) Determine the PM CPMS instrument average in milliamps, or the digital equivalent, and the average of the corresponding three PM compliance test runs, using Equation 1: (40 CFR 62.14605a(i)(2)(ii))

$$\bar{x} = \frac{1}{n}\sum_{i=1}^{n} X_1 , \bar{y} = \frac{1}{n}\sum_{i=1}^{n} Y_a \quad (Eq. 1)$$

Where:

X_1 = the PM CPMS output data points for the three runs constituting the performance test,
Y_1 = the PM concentration value for the three runs constituting the performance test, and
n = the number of data points.

(c) With the instrument zero expressed in milliamps, or the digital equivalent, the three run average PM CPMS milliamp value, or its digital equivalent, and your three run average PM concentration from the three compliance tests, determine a relationship of mg/dscm per milliamp or digital signal equivalent, with Equation 2: (40 CFR 62.14605a(i)(2)(iii))

$$R = Z + \frac{Y_1}{(X_1 - z)} \quad (Eq. 2)$$

Where:

R = the relative mg/dscm per milliamp, or the digital equivalent, for the PM CPMS,
Y1 = the three run average mg/dscm PM concentration,
X1 = the three run average milliamp output, or the digital equivalent, from the PM CPMS, and
Z = the milliamp or digital signal equivalent of your instrument zero determined from paragraph (i)(2)(i) of 40 CFR 62.14605a.

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

F. Emission Limitation and Operating Limits (continued)

2. What operating limits must the Permittee meet and by when? (continued)

b. The Permittee must establish the PM CPMS operating limit and determine compliance with it according to paragraphs (i)(1) through (5) of 40 CFR 62.14605a: (40 CFR 62.14605a(i)) (continued)

(2) If the average of the three PM performance test runs are below 75 percent of the PM emission limit, the Permittee must calculate an operating limit by establishing a relationship of PM CPMS signal to PM concentration using the PM CPMS instrument zero, the average PM CPMS output values corresponding to the three compliance test runs, and the average PM concentration from the Method 5 or Method 29 performance test with the procedures below: (40 CFR 62.14605a(i)(2)) (continued)

(d) Determine your source specific 30-day rolling average operating limit using the mg/dscm per milliamp value, or per digital signal equivalent, from equation 2 to paragraph (i)(2)(iii) in equation 3 to this paragraph (i)(2)(iv), below. This sets your operating limit at the PM CPMS output value corresponding to 75 percent of your emission limit: (40 CFR 62.14605a(i)(2)(iv))

$$O_1 = Z + \frac{075(L)}{R} \quad (Eq. 3)$$

Where:

O_l = the operating limit for the PM CPMS on a 30-day rolling average, in milliamps or their digital signal equivalent,

L = the source emission limit expressed in mg/dscm,

z = the instrument zero in milliamps or digital equivalent, determined from paragraph (i)(2)(i) of 40 CFR 62.14605a, and

R = the relative mg/dscm per milliamp, or per digital signal output equivalent, for your PM CPMS, from equation 2 to paragraph (i)(2)(iii).

(3) If the average of the three PM compliance test runs is at or above 75 percent of the PM emission limit the Permittee must determine the operating limit by averaging the PM CPMS milliamp or digital signal output corresponding to the three PM performance test runs that demonstrate compliance with the emission limit using Equation 4 to this paragraph (i)(3) and must submit all compliance test and PM CPMS data according to the reporting requirements in paragraph (i)(5) of 40 CFR 62.14605a: (40 CFR 62.14605a(i)(3))

$$O_h = \frac{1}{n}\sum_{i=1}^{n} X_1 \quad (Eq. 4)$$

Where:

X_l = the PM CPMS data points for all runs i,

n = the number of data points, and

O_h = the site specific operating limit, in milliamps or digital signal equivalent.

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

F. Emission Limitation and Operating Limits (continued)

2. What operating limits must the Permittee meet and by when? (continued)

b. The Permittee must establish the PM CPMS operating limit and determine compliance with it according to paragraphs (i)(1) through (5) of 40 CFR 62.14605a: (40 CFR 62.14605a(i)) (continued)

(4) To determine continuous compliance, the Permittee must record the PM CPMS output data for all periods when the process is operating and the PM CPMS is not out-of-control. The Permittee must demonstrate continuous compliance by using all quality-assured hourly average data collected by the PM CPMS for all operating hours to calculate the arithmetic average operating parameter in units of the operating limit (e.g., milliamps or digital signal bits, PM concentration, raw data signal) on a 30-day rolling average basis. (40 CFR 62.14605a(i)(4))

(5) For PM performance test reports used to set a PM CPMS operating limit, the electronic submission of the test report must also include the make and model of the PM CPMS instrument, serial number of the instrument, analytical principle of the instrument (e.g., beta attenuation), span of the instruments primary analytical range, milliamp or digital signal value equivalent to the instrument zero output, technique by which this zero value was determined, and the average milliamp or digital signals corresponding to each PM compliance test run. (40 CFR 62.14605a(i)(5))

G. Performance Testing

1. How does the Permittee conduct the initial and annual performance test?

a. All performance tests must consist of a minimum of three test runs conducted under conditions representative of normal operations. (40 CFR 62.14615a(a))

b. The Permittee must document that the waste burned during the performance test is representative of the waste burned under normal operating conditions by maintaining a log of the quantity of waste burned (as required in 40 CFR 62.14675a(b)(1)) and the types of waste burned during the performance test. (40 CFR 62.14615a(b))

c. All performance tests must be conducted using the minimum run duration specified in Table 6 of Subpart IIIa. (40 CFR 62.14615a(c))

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G. Performance Testing (continued)

1. How does the Permittee conduct the initial and annual performance test? (continued)

c. All performance tests must be conducted using the minimum run duration specified in Table 6 of Subpart IIIa. (40 CFR 62.14615a(c)) (continued)

Table 6 of 40 CFR Part 62 Subpart IIIa

For the air pollutant	The Permittee must meet this emission limitation	Using this averaging time	And determining compliance using this method
Cadmium	0.0014 milligrams per dry standard cubic meter.2	3-run average (collect a minimum volume of 2 dry standard cubic meters)	Performance test (Method 29 of Appendix A-8 to 40 CFR Part 60).
Dioxins/furans (total mass basis)	1.3 nanograms per dry standard cubic meter.	3-run average (collect a minimum volume of 4 dry standard cubic meters)	Performance test (Method 23 of Appendix A-7 to 40 CFR Part 60).
Dioxins/furans (toxic equivalency basis)	0.075 nanograms per dry standard cubic meter.[2]	3-run average (collect a minimum volume of 4 dry standard cubic meters)	Performance test (Method 23 of Appendix A-7 to 40 CFR Part 60).
Hydrogen chloride	3.0 parts per million dry volume.[2]	30-day rolling average if HCl CEMS is being used	HCl CEMS as specified in 40 CFR 62.14670(j).
Lead	0.014 milligrams per dry standard cubic meter.2	3-run average (collect a minimum volume of 2 dry standard cubic meters)	Performance test (Method 29 of Appendix A-8 to 40 CFR Part 60).
Mercury	0.011 milligrams per dry standard cubic meter Or 58 pounds/million tons of clinker	30-day rolling average	Integrated sorbent trap monitoring system (Performance Specification 12B of Appendix B to 40 CFR Part 60 and Procedure 5 of Appendix F to 40 CFR Part 60), as specified in 40 CFR 62.14670(j).
Particulate matter filterable	13.5 milligrams per dry standard cubic meter	30-day rolling average	PM CPMS (as specified in 40 CFR 62.14670(x))

[1] All emission limitations are measured at 7 percent oxygen (except for CEMS and integrated sorbent trap monitoring system data during startup and shutdown), dry basis at standard conditions. For dioxins/furans, you must meet either the total mass basis limit or the toxic equivalency basis limit.

[2] In lieu of performance testing, you may use a CEMS or, for mercury, an integrated sorbent trap monitoring system, to demonstrate initial and continuing compliance with an emissions limit, as long as you comply with the CEMS or integrated sorbent trap monitoring system requirements applicable to the specific pollutant in 40 CFR 62.14640a and 40 CFR 62.14665a. As prescribed in 40 CFR 62.14640a(u), if the Permittee uses a CEMS or integrated sorbent trap monitoring system to demonstrate compliance with an emissions limit, the averaging time is a 30-day rolling average of 1-hour arithmetic average emission concentrations.

[3] Alkali bypass and in-line coal mill stacks are subject to performance testing only, as specified in 62.14640a(y)(3). They are not subject to the CEMS, integrated sorbent trap monitoring system, or CPMS requirements that otherwise may apply to the main kiln exhaust.

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G. Performance Testing (continued)

1. How does the Permittee conduct the initial and annual performance test? (continued)

d. Method 1 of 40 CFR Part 60, Appendix A-1 must be used to select the sampling location and number of traverse points. (40 CFR 62.14615a(d))

e. Method 3A of 40 CFR Part 60, Appendix A-1 must be used for gas composition analysis, including measurement of oxygen concentration. Method 3A must be used simultaneously with each method (except when using Method 9 of 40 CFR Part 60, Appendix A- 4 and Method 22 of 40 CFR Part 60, Appendix A-7). (40 CFR 62.14615a(e))

f. All pollutant concentrations, except for opacity, must be adjusted to 7 percent oxygen using equation 5 to this paragraph (f): (40 CFR 62.14615a(f))

$$C_{adj} = C_{meas}\,(20.9-7)/(20.9-\%O_2) \quad \text{(Eq. 5)}$$

Where:
C_{adj} = pollutant concentration adjusted to 7 percent oxygen;
C_{meas} = pollutant concentration measured on a dry basis;
(20.9−7) = 20.9 percent oxygen−7 percent oxygen (defined oxygen correction basis);
20.9 = oxygen concentration in air, percent; and
$\%O_2$ = oxygen concentration measured on a dry basis, percent.

g. The Permittee must determine dioxins/furans toxic equivalency by following the procedures: (40 CFR 62.14615a(g))

(1) Measure the concentration of each dioxin/furan (tetra- through octa-) isomer emitted using EPA Method 23 of 40 CFR Part 60, Appendix A-7. (40 CFR 62.14615a(g)(1))

(2) Quantify isomers meeting identification criteria in Section 11.4.3.4 of Method 23 of40 CFR Part 60, Appendix A-7, regardless of whether the isomers meet identification criteria in Section 11.4.3.4.1 of Method 23. The Permittee must quantify the isomers per Section 11.4.3.5 of Method 23. [Note: The Permittee may reanalyze the sample aliquot or split to reduce the number of isomers not meeting identification criteria in Section 11.4.3.4 of Method 23.]. (40 CFR 62.14615a(g)(2))

(3) For each dioxin/furan (tetra- through octa-chlorinated) isomer measured in accordance with paragraph (g)(1) and (2) of this section, multiply the isomer concentration by its corresponding toxic equivalency factor specified in table 2 to this subpart; and (40 CFR 62.14615a(g)(3))

(4) Sum the products calculated in accordance with paragraph (g)(3) of 40 CFR 62.14615a(g) to obtain the total concentration of dioxins/furans emitted in terms of toxic equivalency. (40 CFR 62.14615a(g)(4))

h. Method 22 of 40 CFR Part 60, Appendix A-7 must be used to determine compliance with the fugitive ash emission limit Table 6 to Subpart IIIa. (40 CFR 62.14615a(h))

i. The Permittee must determine dioxins/furans total mass basis by following the procedures below: (40 CFR 62.14615a(j))

(1) Measure the concentration of each dioxin/furan tetra- through octa-chlorinated isomer emitted using EPA Method 23 of 40 CFR Part 60, Appendix A-7; (40 CFR 62.14615a(j)(1))

(2) Quantify isomers meeting identification criteria in Section 11.4.3.4 of Method 23 of 40 CFR Part 60, Appendix A-7, regardless of whether the isomers meet identification criteria in Section 11.4.3.4.1 of Method 23. (Note: The Permittee may reanalyze the sample aliquot or split to reduce the number of isomers not meeting identification criteria in Section 11.4.3.4 of Method 23.); and (40 CFR 62.14615a(j)(2))

(3) Sum the quantities measured in accordance with paragraphs (j)(1) and (2) of 40 CFR 62.14615a to obtain the total concentration of dioxins/furans emitted in terms of total mass basis. (40 CFR 62.14615a(j)(3))

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G. Performance Testing (continued)

2. How are the performance test data used?
The Permittee uses results of performance tests to demonstrate compliance with the emission limitations in Table 6 to Subpart IIIa.

H. Initial Compliance Requirements

1. The Permittee must conduct an initial performance test to determine compliance with the emission limitations in Table 6 to Subpart IIIa, to establish the kiln-specific emission limit in 40 CFR 62.14640a(y), as applicable, and to establish operating limits using the procedure in 40 CFR 62.14605a or 40 CFR 62.14610a. The initial performance test must be conducted using the test methods listed in Table 6 to Subpart IIIa and the procedures in 40 CFR 62.14615a. The use of the bypass stack during a performance test shall invalidate the performance test. (40 CFR 62.14625a)

   As an alternative to conducting a performance test, as required under 40 CFR 62.14615a and 62.14600a, the Permittee may use a 30-day rolling average of the 1-hour arithmetic average CEMS data, including CEMS data during startup and shutdown as defined in Subpart IIIa, to determine compliance with the emission limitations in Table 6 to Subpart IIIa. The Permittee must conduct a performance evaluation of each continuous monitoring system within 180 days of installation of the monitoring system. The initial performance evaluation must be conducted prior to collecting CEMS data that will be used for the initial compliance demonstration. (40 CFR 62.14625a)

2. By what date must the Permittee conduct initial performance test?
   a. The initial performance test must be conducted no later than 180 days after the final compliance date. The final compliance date is 30 days after date of publication in the Federal Register, or the date the Permittee restarts the CISWI if later than 30 days after date of publication in the Federal Register. (40 CFR 62.14630a(a))
   b. If the Permittee commence or recommence combusting a solid waste at an existing combustion unit at any commercial or industrial facility and conducted a test consistent with the provisions of Subpart IIIa while combusting the given solid waste within the 6 months preceding the reintroduction of that solid waste in the combustion chamber, the Permittee does not need to retest until 6 months from the date the Permittee reintroduce that solid waste. (40 CFR 62.14630a(b))
   c. If the Permittee commence or recommence combusting a solid waste at an existing combustion unit at any commercial or industrial facility and have not conducted a performance test consistent with the provisions of Subpart IIIa while combusting the given solid waste within the 6 months preceding the reintroduction of that solid waste in the combustion chamber, the Permittee must conduct a performance test within 60 days from the date the Permittee reintroduce solid waste. (40 CFR 62.14630a(c))

3. By what date must the Permittee conduct the initial air pollution control device inspection?
   a. The initial air pollution control device inspection must be conducted within 60 days after installation of the control device and the associated CISWI reaches the charge rate at which it will operate, but no later than 180 days after 30 days after date of publication in the Federal Register. (40 CFR 62.14635a(a))
   b. Within 10 operating days following an air pollution control device inspection, all necessary repairs must be completed unless the owner or operator obtains written approval from the state agency establishing a date whereby all necessary repairs of the designated facility must be completed. (40 CFR 62.14635a(b))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits?

a. *Compliance with standards.*

(1) The emission standards and operating requirements set forth in Subpart IIIa apply at all times. (40 CFR 62.14640a(a)(1))

(2) If the Permittee cease combusting solid waste the Permittee may opt to remain subject to the provisions of Subpart IIIa. Consistent with the definition of CISWI, the Permittee is subject to the requirements of Subpart IIIa at least 6 months following the last date of solid waste combustion. Solid waste combustion is ceased when solid waste is not in the combustion chamber (i.e., the solid waste feed to the combustor has been cut off for a period of time not less than the solid waste residence time). (40 CFR 62.14640a(a)(2))

(3) If the Permittee cease combusting solid waste, the Permittee must be in compliance with any newly applicable standards on the effective date of the waste-to-fuel switch. The effective date of the waste-to-fuel switch is a date selected by the Permittee, that must be at least 6 months from the date that cease combusting solid waste, consistent with paragraph (a)(2) of 40 CFR 62.14640a. The Permittee's source must remain in compliance with Subpart IIIa until the effective date of the waste-to-fuel switch. (40 CFR 62.14640a(a)(3))

(4) The Permittee of an existing commercial or industrial combustion unit that combusted a fuel or non-waste material, and commence or recommence combustion of solid waste, the Permittee is subject to the provisions of Subpart IIIa as of the first day the Permittee introduce or reintroduce solid waste to the combustion chamber, and this date constitutes the effective date of the fuel-to-waste switch. The Permittee must complete all initial compliance demonstrations for any Section 112 standards that are applicable to the facility before the Permittee commence or recommence combustion of solid waste. The Permittee must provide 30 days prior notice of the effective date of the waste-to-fuel switch. The notification must identify: (40 CFR 62.14640a(a)(4))

(i) The name of the Permittee of the CISWI, the location of the source, the emissions unit(s) that will cease burning solid waste, and the date of the notice; (40 CFR 62.14640a(a)(4)(i))

(ii) The currently applicable subcategory under Subpart IIIa, and any 40 CFR Part 63 subpart and subcategory that will be applicable after the Permittee cease combusting solid waste; (40 CFR 62.14640a(a)(4)(ii))

(iii) The fuel(s), non-waste material(s) and solid waste(s) the CISWI is currently combusting and has combusted over the past 6 months, and the fuel(s) or non-waste materials the unit will commence combusting; (40 CFR 62.14640a(a)(4)(iii))

(iv) The date on which the Permittee became subject to the currently applicable emission limits; (40 CFR 62.14640a(a)(4)(iv))

(v) The date upon which the Permittee will cease combusting solid waste, and the date (if different) that the Permittee intend for any new requirements to become applicable (i.e., the effective date of the waste-to-fuel switch), consistent with paragraphs (a)(2) and (3) of 40 CFR 62.14640a. (40 CFR 62.14640a(a)(4)(v))

(5) All air pollution control equipment necessary for compliance with any newly applicable emissions limits which apply as a result of the cessation or commencement or recommencement of combusting solid waste must be installed and operational as of the effective date of the waste-to-fuel, or fuel-to-waste switch. (40 CFR 62.14640a(a)(5))

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I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

b. The Permittee must conduct an annual performance test for the pollutants listed in Table 6 to Subpart IIIa. The annual performance test must be conducted using the test methods listed in Table 6 to Subpart IIIa and the procedures in 40 CFR 62.14615a. Annual performance tests are not required if the Permittee use CEMS or continuous opacity monitoring systems to determine compliance. (40 CFR 62.14640a(b))

c. The Permittee must continuously monitor the operating parameters specified in 40 CFR 62.14605a or established under 40 CFR 62.14610a. Operation above the established maximum or below the established minimum operating limits constitutes a deviation from the established operating limits. Three-hour block average values are used to determine compliance (except for baghouse leak detection system alarms) unless a different averaging period is established under 40 CFR 62.14610a or, for energy recovery units, where the averaging time for each operating parameter is a 30-day rolling average, calculated each hour as the average of the previous 720 operating hours. Operation above the established maximum, below the established minimum, or outside the allowable range of the operating limits specified in paragraph (a) of 40 CFR 62.14640a constitutes a deviation from the operating limits established under Subpart IIIa, except during performance tests conducted to determine compliance with the emission and operating limits or to establish new operating limits. Operating limits are confirmed or reestablished during performance tests. (40 CFR 62.14640a(c))

d. For facilities using a CEMS to demonstrate compliance with the carbon monoxide emission limit, compliance with the carbon monoxide emission limits may be demonstrated by using the CEMS, as described in 40 CFR 60.14665a(o). (40 CFR 62.14640a(g))

e. For waste-burning kilns, the Permittee must conduct an annual performance test for the pollutants (except mercury and hydrogen chloride if no acid gas wet scrubber or dry scrubber is used) listed in Table 6 to Subpart IIIa, unless the facility choose to demonstrate initial and continuous compliance using CEMS, as allowed in paragraph (u) of 40 CFR 62.14640a. The Permittee must determine compliance with the hydrogen chloride emissions limit using a HCl CEMS according to the requirements in paragraph (j)(1) of this sectio40 CFR 62.14640a. The Permittee must determine compliance with the mercury emissions limit using a mercury CEMS or an integrated sorbent trap monitoring system according to paragraph (j)(2) of 40 CFR 62.14640a. The Permittee must determine compliance with particulate matter using a PM CPMS according to paragraph (x) of this 40 CFR 62.14640a. (40 CFR 62.14640a(j))

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I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

e. (continued)

(1) The Permittee must operate the HCl CEMS in accordance with Performance Specification 15 (PS 15) of 40 CFR Part 60, Appendix B, or, PS 18 of 40 CFR Part 60, Appendix B. The Permittee must operate, maintain, and quality assure a HCl CEMS installed and certified under PS 15 according to the quality assurance requirements in Procedure 1 of 40 CFR Part 60, Appendix F except that the Relative Accuracy Test Audit requirements of Procedure 1 must be replaced with the validation requirements and criteria of Sections 11.1.1 and 12.0 of PS 15. The Permittee must operate, maintain and quality assure a HCl CEMS installed and certified under PS 18 according to the quality assurance requirements in Procedure 6 of 40 CFR Part 60, Appendix F. For any performance specification that is used, the Permittee must use Method 321 of 40 CFR Part 63, Appendix A as the reference test method for conducting relative accuracy testing. The span value and calibration requirements in paragraphs (j)(1)(i) and (ii) of 40 CFR 62.14640a apply to all HCl CEMS used under Subpart IIIa: (40 CFR 62.14640a(j)(1))

(a) The Permittee must use a measurement span value for any HCl CEMS of 0-10 ppmvw unless the monitor is installed on a kiln without an inline raw mill. Kilns without an inline raw mill may use a higher span value sufficient to quantify all expected emissions concentrations. The HCl CEMS data recorder output range must include the full range of expected HCl concentration values which would include those expected during "mill off" conditions. The corresponding data recorder range shall be documented in the site-specific monitoring plan and associated records; (40 CFR 62.14640a(j)(1)(i))

(b) In order to quality assure data measured above the span value, the Permittee must use one of the three options in paragraphs (j)(1)(ii)(A) through (C) of 40 CFR 62.14640a: (40 CFR 62.14640a(j)(1)(ii))

(i) Include a second span that encompasses the HCl emission concentrations expected to be encountered during "mill off" conditions. This second span may be rounded to a multiple of 5 ppm of total HCl. The requirements of the appropriate HCl monitor performance specification shall be followed for this second span with the exception that a RATA with the mill off is not required; (40 CFR 62.14640a(j)(1)(ii)(A))

(ii) Quality assure any data above the span value by proving instrument linearity beyond the span value established in paragraph (j)(1)(i) of this section using the following procedure. Conduct a weekly "above span linearity" calibration challenge of the monitoring system using a reference gas with a certified value greater than the highest expected hourly concentration or greater than 75 percent of the highest measured hourly concentration. The "above span" reference gas must meet the requirements of the applicable performance specification and must be introduced to the measurement system at the probe. Record and report the results of this procedure as you would for a daily calibration. The "above span linearity" challenge is successful if the value measured by the HCl CEMS falls within 10 percent of the certified value of the reference gas. If the value measured by the HCl CEMS during the above span linearity challenge exceeds 10 percent of the certified value of the reference gas, the monitoring system must be evaluated and repaired and a new "above span linearity" challenge met before returning the HCl CEMS to service, or data above span from the HCl CEMS must be subject to the quality assurance procedures established in (j)(1)(ii)(D) of 40 CFR 62.14640a. In this manner values measured by the HCl CEMS during the above span linearity challenge exceeding +/-20 percent of the certified value of the reference gas must be normalized using equation 6 to paragraph (j)(1)(ii)(D); (40 CFR 62.14640a(j)(1)(ii)(B))

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I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

e. (continued)

(1) (continued)

(b) (continued)

(iii) Quality assure any data above the span value established in paragraph (j)(1)(i) of 40 CFR 62.14640a using the following procedure. Any time two consecutive one-hour average measured concentration of HCl exceeds the span value you must, within 24 hours before or after, introduce a higher, "above span" HCl reference gas standard to the HCl CEMS. The "above span" reference gas must meet the requirements of the applicable performance specification and target a concentration level between 50 and 150 percent of the highest expected hourly concentration measured during the period of measurements above span, and must be introduced at the probe. While this target represents a desired concentration range that is not always achievable in practice, it is expected that the intent to meet this range is demonstrated by the value of the reference gas. Expected values may include above span calibrations done before or after the above-span measurement period. Record and report the results of this procedure as you would for a daily calibration. The "above span" calibration is successful if the value measured by the HCl CEMS is within 20 percent of the certified value of the reference gas. If the value measured by the HCl CEMS is not within 20 percent of the certified value of the reference gas, then the Permittee must normalize the stack gas values measured above span as described in paragraph (j)(1)(ii)(D) of 40 CFR 62.14640a. If the "above span" calibration is conducted during the period when measured emissions are above span and there is a failure to collect the one data point in an hour due to the calibration duration, then the Permittee must determine the emissions average for that missed hour as the average of hourly averages for the hour preceding the missed hour and the hour following the missed hour. In an hour where an "above span" calibration is being conducted and one or more data points are collected, the emissions average is represented by the average of all valid data points collected in that hour; and (40 CFR 62.14640a(j)(1)(ii)(C))

(iv) In the event that the "above span" calibration is not successful (i.e., the HCl CEMS measured value is not within 20 percent of the certified value of the reference gas), then the Permittee must normalize the one-hour average stack gas values measured above the span during the 24- hour period preceding or following the "above span" calibration for reporting based on the HCl CEMS response to the reference gas as shown in equation 6 to this paragraph (j)(1)(ii)(D): (40 CFR 62.14640a(j)(1)(ii)(D))

$$\frac{Certified\ reference\ gas\ value}{Measured\ value\ of\ reference\ gass} = Measured\ stack\ gas = Normalized\ stack\ gas\ result \quad (Eq.\ 6)$$

Only one "above span" calibration is needed per 24-hour period.

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I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

e. (continued)

(2) Compliance with the mercury emissions limit must be determined using an integrated sorbent trap monitoring system according to the following requirements: (40 CFR 62.14640a(j)(2))

(a) The Permittee must operate an integrated sorbent trap monitoring system in accordance with performance Specification 12B of 40 CFR Part 60, Appendix B; these monitoring systems must be quality assured according to Procedure 5 of Appendix F to 40 CFR Part 60. For the purposes of emissions calculations when using an integrated sorbent trap monitoring system, the mercury concentration determined for each sampling period must be assigned to each hour during the sampling period. If the Permittee chooses to comply with the production-rate based mercury limit for the waste-burning kiln, the Permittee must also monitor hourly clinker production and determine the hourly mercury emissions rate in pounds per million ton of clinker produced. The Permittee must demonstrate compliance with the mercury emissions limit using a 30-day rolling average of these 1-hour mercury concentrations or mass emissions rates, calculated using equation 19-19 in Section 12.4.1 of EPA Reference Method 19 of 40 CFR Part 60, Appendix A-7. CEMS data during startup and shutdown, as defined in Subpart IIIa, are not corrected to 7 percent oxygen, and are measured at stack oxygen content; (40 CFR 62.14640a(j)(2)(i))

(b) The Permittee using an integrated sorbent trap monitoring system to determine mass emission rate must install, operate, calibrate and maintain an instrument for continuously measuring and recording the mercury mass emissions rate to the atmosphere according to the requirements of performance specification 6 of 40 CFR Part 60, Appendix B; and (40 CFR 62.14640a(j)(2)(ii))

(c) The Permittee of a waste-burning kiln must demonstrate initial compliance by operating an integrated sorbent trap monitoring system while the raw mill of the in-line kiln/raw mill is operating under normal conditions and including at least one period when the raw mill is off. (40 CFR 62.14640a(j)(2)(iii))

f. If the Permittee uses an air pollution control device to meet the emission limitations in Subpart IIIa, the Permittee must conduct an initial and annual inspection of the air pollution control device. The inspection must include, at a minimum, the following: (40 CFR 62.14640a(k))

(1) Inspect air pollution control device(s) for proper operation; and (40 CFR 62.14640a(k)(1))

(2) Develop a site-specific monitoring plan according to the requirements in paragraph (l) of 40 CFR 62.14640a. This requirement also applies if the facility petitiosn the EPA Administrator for alternative monitoring parameters under 40 CFR 60.13(i). (40 CFR 62.14640a(k)(2))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

g. For each CMS required in this section, the Permittee must develop and submit to the EPA Administrator for approval a site-specific monitoring plan according to the requirements of this paragraph (l) that addresses paragraphs (l)(1)(i) through (vi) of 40 CFR 62.14640a: (40 CFR 62.14640a(l))

(1) The Permittee must submit this site-specific monitoring plan at least 60 days before the initial performance evaluation of the continuous monitoring system: (40 CFR 62.14640a(l)(1))

(a) Installation of the continuous monitoring system sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device); (40 CFR 62.14640a(l)(1)(i))

(b) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer and the data collection and reduction systems; (40 CFR 62.14640a(l)(1)(ii))

(c) Performance evaluation procedures and acceptance criteria (e.g., calibrations); (40 CFR 62.14640a(l)(1)(iii))

(d) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 60.11(d); (40 CFR 62.14640a(l)(1)(iv))

(e) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 60.13; and (40 CFR 62.14640a(l)(1)(v))

(f) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR 60.7(b),(c) introductory text, (c)(1), (c)(4), (d), (e), (f) and (g). (40 CFR 62.14640a(l)(1)(vi))

(2) The Permittee must conduct a performance evaluation of each continuous monitoring system in accordance with the site-specific monitoring plan. (40 CFR 62.14640a(l)(2))

(3) The Permittee must operate and maintain the continuous monitoring system in continuous operation according to the site-specific monitoring plan. (40 CFR 62.14640a(l)(3))

h. If the Permittee has an operating limit that requires the use of a flow monitoring system, the Permittee must meet the requirements below: (40 CFR 62.14640a(m))

(1) Install the flow sensor and other necessary equipment in a position that provides a representative flow; (40 CFR 62.14640a(m)(1))

(2) Use a flow sensor with a measurement sensitivity at full scale of no greater than 2 percent; (40 CFR 62.14640a(m)(2))

(3) Minimize the effects of swirling flow or abnormal velocity distributions due to upstream and downstream disturbances; and(40 CFR 62.14640a(m)(3))

(4) Conduct a flow monitoring system performance evaluation in accordance with your monitoring plan at the time of each performance test but no less frequently than annually. (40 CFR 62.14640a(m)(4))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

i. For facilities using a CEMS to demonstrate initial and continuous compliance with the sulfur dioxide (SO_2) emission limit, compliance with the sulfur dioxide emission limit may be demonstrated by using the CEMS specified in 40 CFR 62.14665a(l) to measure sulfur dioxide. The sulfur dioxide CEMS must follow the procedures and methods specified in paragraph (s) of 40 CFR 62.14640a. For sources that have actual inlet emissions less than 100 parts per million dry volume, the relative accuracy criterion for inlet sulfur dioxide CEMS should be no greater than 20 percent of the mean value of the reference method test data in terms of the units of the emission standard, or 5 parts per million dry volume absolute value of the mean difference between the reference method and the CEMS, whichever is greater: (40 CFR 62.14640a(s))

(1) During each relative accuracy test run of the CEMS required by performance Specification 2 of 40 CFR Part 60, Appendix B, collect sulfur dioxide and oxygen (or carbon dioxide) data concurrently (or within a 30- to 60-minute period) with both the CEMS and the test methods specified below: (40 CFR 62.14640a(s)(1))

(a) For sulfur dioxide, EPA Reference Method 6 or 6C of 40 CFR Part 60, Appendix A-4, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus] must be used (see paragraph (z) of 40 CFR 62.14640a); and (40 CFR 62.14640a(s)(1)(i))

(b) For oxygen (or carbon dioxide), EPA Reference Method 3A of 40 CFR Part 60, Appendix A-2, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], as applicable, must be used (see paragraph (z) of 40 CFR 62.14640a). (40 CFR 62.14640a(s)(1)(ii))

(2) The span value of the CEMS at the inlet to the sulfur dioxide control device must be 125 percent of the maximum estimated hourly potential sulfur dioxide emissions of the unit subject to this rule. The span value of the CEMS at the outlet of the sulfur dioxide control device must be 50 percent of the maximum estimated hourly potential sulfur dioxide emissions of the unit subject to this rule. (40 CFR 62.14640a(s)(2))

(3) Conduct accuracy determinations quarterly and calibration drift tests daily in accordance with procedure 1 of 40 CFR Part 60, Appendix F. (40 CFR 62.14640a(s)(3))

j. For facilities using a CEMS to demonstrate initial and continuous compliance with the nitrogen oxides emission limit, compliance with the nitrogen oxides emission limit may be demonstrated by using the CEMS specified in 40 CFR 62.14665a to measure nitrogen oxides. The nitrogen oxides CEMS must follow the procedures and methods specified below: (40 CFR 62.14640a(t))

(1) During each relative accuracy test run of the CEMS required by performance Specification 2 of 40 CFR Part 60, Appendix B collect nitrogen oxides and oxygen (or carbon dioxide) data concurrently (or within a 30- to 60-minute period) with both the CEMS and the test methods specified below: (40 CFR 62.14640a(t)(1))

(a) For nitrogen oxides, EPA Reference Method 7 or 7E of 40 CFR Part 60, appendix A-4 must be used; and (40 CFR 62.14640a(t)(1)(i))

(b) For oxygen (or carbon dioxide), EPA Reference Method 3A of 40 CFR part 60, appendix A-2, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], as applicable, must be used (see paragraph (z) of this section). (40 CFR 62.14640a(t)(1)(ii))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

j. For facilities using a CEMS to demonstrate initial and continuous compliance with the nitrogen oxides emission limit, compliance with the nitrogen oxides emission limit may be demonstrated by using the CEMS specified in 40 CFR 62.14665a to measure nitrogen oxides. The nitrogen oxides CEMS must follow the procedures and methods specified below: (40 CFR 62.14640a(t)) (continued)

(2) The span value of the CEMS must be 125 percent of the maximum estimated hourly potential nitrogen oxide emissions of unit. (40 CFR 62.14640a(t)(2))

(3) Conduct accuracy determinations quarterly and calibration drift tests daily in accordance with Procedure 1 of 40 CFR Part 60, Appendix F. (40 CFR 62.14640a(t)(3))

(4) The Permittee may request that compliance with the nitrogen oxides emission limit be determined using carbon dioxide measurements corrected to an equivalent of 7 percent oxygen. If carbon dioxide is selected for use in diluent corrections, the relationship between oxygen and carbon dioxide levels must be established during the initial performance test according to the procedures and methods specified below. This relationship may be reestablished during performance compliance tests: (40 CFR 62.14640a(t)(4))

(a) The fuel factor equation in Method 3B of 40 CFR part 60, appendix A-2 must be used to determine the relationship between oxygen and carbon dioxide at a sampling location. Method 3A of 40 CFR part 60, appendix A-2, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], as applicable, must be used to determine the oxygen concentration at the same location as the carbon dioxide monitor (see paragraph (z) of this section); (40 CFR 62.14640a(t)(4)(i))

(b) Samples must be taken for at least 30 minutes in each hour; (40 CFR 62.14640a(t)(4)(ii))

(c) Each sample must represent a 1-hour average; and (40 CFR 62.14640a(t)(4)(iii))

(d) A minimum of 3 runs must be performed. (40 CFR 62.14640a(t)(4)(iv))

k. For facilities using an integrated sorbent trap monitoring system for mercury to demonstrate initial and continuous compliance with any of the emission limits of Subpart IIIa, the Permittee must complete the following: (40 CFR 62.14640a(u))

(1) Demonstrate compliance with the appropriate emission limit(s) using a 30-day rolling average of 1-hour arithmetic average emission concentrations, including an integrated sorbent trap monitoring system data during startup and shutdown, as defined in Subpart IIIa, calculated using Equation 19-19 in Section 12.4.1 of EPA Reference Method 19 of 40 CFR Part 60, Appendix A-7. Except for an integrated sorbent trap monitoring system data during startup and shutdown, the 1-hour arithmetic averages used to calculate the 30-day rolling average emission concentrations must be corrected to 7 percent oxygen (dry basis). Integrated sorbent trap monitoring system data during startup and shutdown, as defined in Subpart IIIa, are not corrected to 7 percent oxygen, and are measured at stack oxygen content; and (40 CFR 62.14640a(u)(1))

(2) Operate the integrated sorbent trap monitoring systems in accordance with the applicable procedures under of 40 CFR Part 60, Appendices B and F. (40 CFR 62.14640a(u)(2))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements (continued)

1. How does the Permittee demonstrate continuous compliance with the emission limitations and the operating limits? (continued)

l. Incorporation by reference. These standards are incorporated by reference into this section with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR Part 51. All approved material is available for inspection at the U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue NW., Washington, DC 20460, (202) 272-0167, http://www.epa.gov. You may also inspect a copy at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html. (40 CFR 62.14640a(z))

(1) American Society of Mechanical Engineers (ASME), Two Park Avenue, New York, NY 10016-5990 (Phone: 1-800-843-2763; Website: https://www.asme.org/). (40 CFR 62.14640a(z)(1))

(a) ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus]. (40 CFR 62.14640a(z)(1)(i))

(2) ASTM Int'l, 100 Barr Harbor Drive, Post Office Box C700, West Conshohocken, PA 19428-2959; or ProQuest, 300 North Zeeb Road, Ann Arbor, MI 48106 (Phone: 1-877-909-2786; Website: http://www.astm.org/). (40 CFR 62.14640a(z)(2))

(a) ASTM D6784-24 Standard Test Method for Elemental, Oxidized, Particle-Bound and Total Mercury in Flue Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method), approved April 16, 2024. (40 CFR 62.14640a(z)(2)(i))

(3) U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue NW., Washington, DC 20460, (202) 272-0167, http://www.epa.gov. (40 CFR 62.14640a(z)(3))

(a) OAQPS Fabric Filter Bag Leak Detection Guidance, EPA-454/R-98-015, September 1997. (40 CFR 62.14640a(z)(3)(i))

2. By what date must the Permittee conduct the annual performance test?
The Permittee must conduct annual performance tests between 11 and 13 calendar months of the previous performance test. (40 CFR 62.14645a))

3. By what date must the Permittee conduct the annual air pollution control device inspection?
On an annual basis (no more than 12 months following the previous annual air pollution control device inspection), the Permittee must complete the air pollution control device inspection as described in 40 CFR 62.14635a. (40 CFR 62.14650a)

4. May the Permittee conduct performance testing less often?

a. The Permittee must conduct annual performance tests according to the schedule specified in 40 CFR 62.14645a, with the following exceptions: (40 CFR62.14655a(a))

(1) The Permittee may conduct a repeat performance test at any time to establish new values for the operating limits, as specified in 40 CFR 62.14660a. New operating limits become effective on the date that the performance test report is submitted to the EPA's Central Data Exchange or postmarked, per the requirements of 40 CFR 62.14730a(b). The Administrator may request a repeat performance test at any time; (40 CFR62.14655a(a)(1))

(2) You must repeat the performance test within 60 days of a process change, as defined in 40 CFR 62.14780a; and (40 CFR62.14655a(a)(2))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

I. Continuous Compliance Requirements (continued)

4. May the Permittee conduct performance testing less often?

a. The Permittee must conduct annual performance tests according to the schedule specified in 40 CFR 62.14645a, with the following exceptions: (40 CFR62.14655a(a)) (continued)

(3) The Permittee can conduct performance tests less often if the Permittee meets the following conditions: the performance tests for the pollutant for at least 2 consecutive performance tests demonstrates that the emission level for the pollutant is no greater than the emission level specified in paragraph (a)(3)(i) or (a)(3)(ii) of 40 CFR62.14655a, as applicable; there are no changes in the operation of the affected source or air pollution control equipment that could increase emissions; and the Permittee is not required to conduct a performance test for the pollutant in response to a request by the Administrator in paragraph (a)(1) of 40 CFR62.14655a or a process change in paragraph (a)(2) of 40 CFR62.14655a. In this case, the Permittee does not have to conduct a performance test for that pollutant for the next 2 years. The Permittee must conduct a performance test for the pollutant no more than 37 months following the previous performance test for the pollutant. If the emission level for the CISWI continues to meet the emission level specified in paragraph (a)(3)(i) or (a)(3)(ii) of 40 CFR62.14655a, as applicable, the Permittee may choose to conduct performance tests for the pollutant every third year, as long as there are no changes in the operation of the affected source or air pollution control equipment that could increase emissions. Each such performance test must be conducted no more than 37 months after the previous performance test. (40 CFR62.14655a(a)(3))

(a) For particulate matter, hydrogen chloride, mercury, carbon monoxide, nitrogen oxides, sulfur dioxide, cadmium, lead, and dioxins/furans, the emission level equal to 75 percent of the applicable emission limit in Table 6 to Subpart IIIa, as applicable; and (40 CFR62.14655a(a)(3)(i))

(b) For fugitive emissions, visible emissions (of combustion ash from the ash conveying system) for 2 percent of the time during each of the three 1-hour observation periods. (40 CFR62.14655a(a)(3)(ii))

(4) If the Permittee is conducting less frequent testing for a pollutant as provided in paragraph (a)(3) of 40 CFR62.14655a and a subsequent performance test for the pollutant indicates that the CISWI does not meet the emission level specified in paragraph (a)(3)(i) or (a)(3)(ii) of 40 CFR62.14655a, as applicable, the Permittee must conduct annual performance tests for the pollutant according to the schedule specified in paragraph (a) of 40 CFR62.14655a until the Permittee qualify for less frequent testing for the pollutant as specified in paragraph (a)(3) of 40 CFR62.14655a. (40 CFR62.14655a(a)(4)

5. May the Permittee conduct a repeat performance test to establish new operating limits?

a. Yes. The Permittee may conduct a repeat performance test at any time to establish new values for the operating limits. The Administrator may request a repeat performance test at any time. (40 CFR 62.14660a(a))

b. The Permittee must repeat the performance test if the feed stream is different than the feed streams used during any performance test used to demonstrate compliance. (40 CFR 62.14660a(b))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

J. Monitoring

1. What monitoring equipment must the Permittee install and what parameters must the Permittee monitor?
   a. For waste-burning kilns not equipped with a wet scrubber or dry scrubber, the Permittee must install, calibrate, maintain, and operate a CEMS for monitoring hydrogen chloride emissions discharged to the atmosphere, as specified in 40 CFR 62.14640a(j) of Subpart IIIa, and record the output of the system. The Permittee may substitute use of a HCl CEMS for conducting the HCl initial and annual testing with EPA Method 321 of 40 CFR Part 63, Appendix A. for units other than waste- burning kilns not equipped with a wet scrubber or dry scrubber, a facility may substitute use of a HCl CEMS for conducting the HCl initial and annual performance test. For units equipped with a HCl CEMS, the Permittee is not required to monitor the minimum hydrogen chloride sorbent flow rate, monitoring the minimum scrubber liquor pH, and monitoring minimum injection rate. (40 CFR 62.14665a(g))
   b. To demonstrate continuous compliance with the particulate matter emissions limit, a facility may substitute use of either a particulate matter CEMS or a particulate matter CPMS for conducting the particulate matter annual performance test. (40 CFR 62.14665a(h))
   c. To demonstrate initial and continuous compliance with the dioxin/furan emissions limit, a facility must condut initial and annual performance test. The Permittee must record the output of the system and analyze the sample according to EPA Method 23 of 40 CFR Part 60, Appendix A-7. (40 CFR 62.14665a(i))
   d. To demonstrate initial and continuous compliance with the mercury emissions limit, a facility may substitute use of an integrated sorbent trap monitoring system for the mercury initial and annual performance test. The Permittee who elects to continuously sample mercury emissions instead of sampling and testing using EPA Method 29 or 30B of 40 CFR Part 60, Appendix A-8, ASTM D6784-24 (see 40 CFR 62.14640a(z)), or an approved alternative method for measuring mercury emissions, must install, calibrate, maintain and operate the integrated sorbent trap monitoring system and must comply with Performance Specification 12A or Performance Specification 12B of 40 CFR Part 60, Appendix B, respectively, and quality assurance Procedure 5 of 40 CFR Part 60, Appendix F. For the purposes of emissions calculations when using an integrated sorbent trap monitoring system, the mercury concentration determined for each sampling period must be assigned to each hour during the sampling period. For units equipped with an integrated sorbent trap monitoring system, the Permittee is not required to monitor the minimum sorbent flow rate, if activated carbon sorbent injection is used solely for compliance with the mercury emission limit. Waste- burning kilns must install, calibrate, maintain, and operate an integrated sorbent trap monitoring system as specified in 40 CFR 62.14640a(j) of Subpart IIIa. (40 CFR 62.14665a(j))
   e. To demonstrate initial and continuous compliance with the nitrogen oxides emissions limit, a facility may substitute use of a CEMS for the nitrogen oxides initial and annual performance test to demonstrate compliance with the nitrogen oxides emissions limits. For units equipped with a nitrogen oxides CEMS, the Permittee is not required to monitor the charge rate, secondary chamber temperature and reagent flow for selective noncatalytic reduction, if applicable: (40 CFR 62.14665a(k))
      (1) Install, calibrate, maintain and operate a CEMS for measuring nitrogen oxides emissions discharged to the atmosphere and record the output of the system. The requirements under Performance Specification 2 of 40 CFR Part 60, Appendix B, the quality assurance Procedure 1 of 40 CFR Part 60, Appendix F and the procedures under 40 CFR 60.13 must be followed for installation, evaluation and operation of the CEMS; and (40 CFR 62.14665a(k)(1))
      (2) Compliance with the emission limit for nitrogen oxides must be determined based on the 30-day rolling average of the hourly emission concentrations using CEMS outlet data, as outlined in 40 CFR 62.14640a(u). (40 CFR 62.14665a(k)(e))

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J. Monitoring (continued)

1. What monitoring equipment must the Permittee install and what parameters must the Permittee monitor? (continued)

f. To demonstrate initial and continuous compliance with the sulfur dioxide emissions limit, a facility may substitute use of a CEMS for the sulfur dioxide initial and annual performance test to demonstrate compliance with the sulfur dioxide emissions limits: (40 CFR 62.14665a(l))

(1) Install, calibrate, maintain and operate a CEMS for measuring sulfur dioxide emissions discharged to the atmosphere and record the output of the system. The requirements under Performance Specification 2 of 40 CFR Part 60, Appendix B, the quality assurance requirements of Procedure 1 of 40 CFR Part 60, Appendix F and the procedures under 40 CFR 60.13 must be followed for installation, evaluation and operation of the CEMS; and (40 CFR 62.14665a(l)(1))

(2) Compliance with the sulfur dioxide emission limit shall be determined based on the 30-day rolling average of the hourly arithmetic average emission concentrations using CEMS outlet data, as outlined in 40 CFR 62.14640a(u). (40 CFR 62.14665a(l)(2))

g. To demonstrate initial and continuous compliance with the carbon monoxide emissions limit, a facility may substitute use of a CEMS for the carbon monoxide initial and annual performance test to demonstrate compliance with the carbon monoxide emissions limits: (40 CFR 62.14665a(o))

(1) Install, calibrate, maintain, and operate a CEMS for measuring carbon monoxide emissions discharged to the atmosphere and record the output of the system. The requirements under Performance Specification 4A or 4B of 40 CFR Part 60, Appendix B, the quality assurance Procedure 1 of 40 CFR Part 60, Appendix F and the procedures under 40 CFR 60.13 must be followed for installation, evaluation, and operation of the CEMS; and (40 CFR 62.14665a(o)(1))

(2) Compliance with the carbon monoxide emission limit shall be determined based on the 30-day rolling average of the hourly arithmetic average emission concentrations, including CEMS data during startup and shutdown as defined in this subpart, using CEMS outlet data, as outlined in 40 CFR 62.14640a(u). (40 CFR 62.14665a(o)(2))

h. For waste-burning kilns, the Permittee must install, calibrate, maintain, and operate a PM CPMS and record the output of the system as specified in paragraphs (r)(1) through (8) of 40 CFR 62.14665a: (40 CFR 62.14665a(r))

(1) Install, calibrate, operate, and maintain the PM CPMS according to the procedures in the approved site-specific monitoring plan developed in accordance with 40 CFR 62.14640a(l) and (r)(1)(i) through (iii) of 40 CFR 62.14665a: (40 CFR 62.14665a(r)(1))

(a) The operating principle of the PM CPMS must be based on in-stack or extractive light scatter, light scintillation, beta attenuation, or mass accumulation of the exhaust gas or representative sample. The reportable measurement output from the PM CPMS must be expressed as milliamps or the digital signal equivalent; (40 CFR 62.14665a(r)(1)(i))

(b) The PM CPMS must have a cycle time (i.e., period required to complete sampling, measurement, and reporting for each measurement) no longer than 60 minutes; and (40 CFR 62.14665a(r)(1)(i)(ii))

(c) The PM CPMS must be capable of detecting and responding to particulate matter concentrations increments no greater than 0.5 mg/actual cubic meter. (40 CFR 62.14665a(r)(1)(i)(ii)(iii))

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J. Monitoring (continued)

1. What monitoring equipment must the Permittee install and what parameters must the Permittee monitor? (continued)

h. For waste-burning kilns, the Permittee must install, calibrate, maintain, and operate a PM CPMS and record the output of the system as specified in paragraphs (r)(1) through (8) of 40 CFR 62.14665a.: (40 CFR 62.14665a(r)) (continued)

(2) During the initial performance test or any such subsequent performance test that demonstrates compliance with the PM limit, the Permittee must adjust the site-specific operating limit in accordance with the results of the performance test according to the procedures specified in 40 CFR 62.14605a. (40 CFR 62.14665a(r)(2))

(3) Collect PM CPMS hourly average output data for all waste- burning kiln operating hours. Express the PM CPMS output as milliamps or the digital signal equivalent. (40 CFR 62.14665a(r)(3))

(4) Calculate the arithmetic 30-day rolling average of all of the hourly average PM CPMS output collected during all waste-burning kiln operating hours data (milliamps or digital bits). (40 CFR 62.14665a(r)(4))

(5) The Permittee must collect data using the PM CPMS at all times the waste-burning kiln is operating and at the intervals specified in paragraph (r)(1)(ii) of (40 CFR 62.14665a, except for periods of monitoring system malfunctions, repairs associated with monitoring system malfunctions, required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments), and any scheduled maintenance as defined in the site-specific monitoring plan. (40 CFR 62.14665a(r)(5))

(6) The Permittee must use all the data collected during all waste-burning kiln operating hours in assessing the compliance with the operating limit except: (40 CFR 62.14665a(r)(6))

(a) Any data collected during monitoring system malfunctions, repairs associated with monitoring system malfunctions, or required monitoring system quality assurance or quality control activities conducted during monitoring system malfunctions are not used in calculations (report any such periods in the annual deviation report); (40 CFR 62.14665a(r)(6)(i))

(b) Any data collected during periods when the monitoring system is out of control as specified in the site-specific monitoring plan, repairs associated with periods when the monitoring system is out of control, or required monitoring system quality assurance or quality control activities conducted during out-of-control periods are not used in calculations (report emissions or operating levels and report any such periods in the annual deviation report); and (40 CFR 62.14665a(r)(6)(i)(ii))

(7) The Permittee must record and make available upon request results of PM CPMS system performance audits, as well as the dates and duration of periods from when the PM CPMS is out of control until completion of the corrective actions necessary to return the PM CPMS to operation consistent with the site-specific monitoring plan. (40 CFR 62.14665a(r)(7))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

J. Monitoring (continued)

1. What monitoring equipment must the Permittee install and what parameters must the Permittee monitor? (continued)

h. For waste-burning kilns, the Permittee must install, calibrate, maintain, and operate a PM CPMS and record the output of the system as specified in paragraphs (r)(1) through (8) of 40 CFR 62.14665a.: (40 CFR 62.14665a(r)) (continued)

(8) For any deviation of the 30-day rolling average PM CPMS average value from the established operating parameter limit, the Permittee must: (40 CFR 62.14665a(r)(8))

(a) Within 48 hours of the deviation, visually inspect the air pollution control device; (40 CFR 62.14665a(r)(8)(i))

(b) If inspection of the air pollution control device identifies the cause of the deviation, take corrective action as soon as possible and return the PM CPMS measurement to within the established value; (40 CFR 62.14665a(r)(8)(i)(ii))

(c) Within 30 days of the deviation or at the time of the annual compliance test, whichever comes first, conduct a PM emissions compliance test to determine compliance with the PM emissions limit and to verify the operation of the emissions control device(s). Within 45 days of the deviation, the Permittee must re-establish the CPMS operating limit. The Permittee is not required to conduct additional testing for any deviations that occur between the time of the original deviation and the PM emissions compliance test required under this paragraph; and (40 CFR 62.14665a(r)(8)(i)(iii))

(d) PM CPMS deviations leading to more than four required performance tests in a 12- month process operating period (rolling monthly) constitute a violation of Subpart IIIa. (40 CFR 62.14665a(r)(8)(i)(iv))

i. When the Permittee is required to monitor clinker production because the Permittee complies with the production-rate based mercury limit for the waste-burning kiln, the Permittee must: (40 CFR 62.14665a(t))

(1) Determine hourly clinker production by one of two methods: (40 CFR 62.14665a(t)(1))

(a) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of clinker produced. The system of measuring hourly clinker production must be maintained within ±5 percent accuracy, or (40 CFR 62.14665a(t)(1)(i))

(b) Install, calibrate, maintain, and operate a permanent weigh scale system to measure and record weight rates in tons-mass per hour of the amount of feed to the kiln. The system of measuring feed must be maintained within ±5 percent accuracy. Calculate the hourly clinker production rate using a kiln-specific feed to clinker ratio based on reconciled clinker production determined for accounting purposes and recorded feed rates. Update this ratio monthly. Note that if this ratio changes at clinker reconciliation, the Permittee must use the new ratio going forward, but you do not have to retroactively change clinker production rates previously estimated. (40 CFR 62.14665a(t)(1)(ii))

(2) Determine the accuracy of the system of measuring hourly clinker production (or feed mass flow if applicable) before the final compliance date of this rule and during each quarter of source operation. (40 CFR 62.14665a(t)(2))

(3) Conduct accuracy checks in accordance with the procedures outlined in the site- specific monitoring plan under 40 CFR 62.14640a(l). (40 CFR 62.14665a(t)(3))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

J. Monitoring (continued)

2. Is there a minimum amount of monitoring data the Permittee must obtain?
For each continuous monitoring system required or optionally allowed under 40 CFR 62.14665a, the Permittee must monitor and collect data according to this section: (40 CFR 62.14670a)

(a) The Permittee must operate the monitoring system and collect data at all required intervals at all times compliance is required except for periods of monitoring system malfunctions or out-of- control periods, repairs associated with monitoring system malfunctions or out-of-control periods (as specified in 40 CFR 62.14705a(o)), and required monitoring system quality assurance or quality control activities including, as applicable, calibration checks and required zero and span adjustments. A monitoring system malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring system failures that are caused in part by poor maintenance or careless operation are not malfunctions. The Permittee is required to effect monitoring system repairs in response to monitoring system malfunctions or out-of-control periods and to return the monitoring system to operation as expeditiously as practicable. (40 CFR 62.14670a(a))

(b) The Permittee may not use data recorded during monitoring system malfunctions, repairs associated with monitoring system malfunctions or out-of-control periods, or required monitoring system quality assurance or control activities in calculations used to report emissions or operating levels. The Permittee must use all the data collected during all other periods, including data normalized for above scale readings, in assessing the operation of the control device and associated control system. (40 CFR 62.14670a(b))

(c) Except for periods of monitoring system malfunctions or out-of-control periods, repairs associated with monitoring system malfunctions or out-of-control periods, and required monitoring system quality assurance or quality control activities including, as applicable, calibration checks and required zero and span adjustments, failure to collect required data is a deviation of the monitoring requirements. (40 CFR 62.14670a(c))

K. Recordkeeping and Reporting

1. What records must I keep?
The Permittee must maintain the items (as applicable) as specified in paragraphs (a) through (o) of 40 CFR 62.14675a for a period of at least 5 years: (40 CFR 62.14675a)

a. Calendar date of each record. (40 CFR 62.14675a(a))

b. Records of the data described below: (40 CFR 62.14675a(b))

(1) The CISWI charge dates, times, weights, and hourly charge rates; (40 CFR 62.14675a(b)(1))

(2) For affected CISWI that establish operating limits for controls other than wet scrubbers under 40 CFR 62.14610a, the Permittee must maintain data collected for all operating parameters used to determine compliance with the operating limits. For energy recovery units using activated carbon injection or a dry scrubber, you must also maintain records of the load fraction and corresponding sorbent injection rate records; and (40 CFR 62.14675a(b)(5))

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K. Recordkeeping and Reporting (continued)

1. What records must I keep? (continued)

The Permittee must maintain the items (as applicable) as specified in paragraphs (a) through (o) of 40 CFR 62.14675a for a period of at least 5 years: (40 CFR 62.14675a) (continued)

b. Records of the data described below: (40 CFR 62.14675a(b)) (continued)

(3) When the Permittee monitors clinker production in accordance with 40 CFR 62.14665a(t): (40 CFR 62.14675a(b)(7))

(a) Hourly clinker rate produced if clinker production is measured directly; (40 CFR 62.14675a(b)(7)(i))

(b) Hourly measured kiln feed rates and calculated clinker production rates if clinker production is not measured directly; (40 CFR 62.14675a(b)(7)(ii))

(c) 30-day rolling averages for mercury in pounds per million tons of clinker produced; (40 CFR 62.14675a(b)(7)(iii))

(d) The initial and quarterly accuracy of the system of measuring hourly clinker production (or feed mass flow). (40 CFR 62.14675a(b)(7)(iv))

c. Identification of calendar dates and times for which data show a deviation from the operating limits in Table 1 to Subpart IIIa or a deviation from other operating limits established under 40 CFR 62.14605a(d) through (g) or 40 CFR 62.14610a with a description of the deviations, reasons for such deviations, and a description of corrective actions taken. (40 CFR 62.14675a(c))

d. The results of the initial, annual, and any subsequent performance tests conducted to determine compliance with the emission limits and/or to establish operating limits, as applicable. Retain a copy of the complete test report including calculations. (40 CFR 62.14675a(d))

e. Records showing the names of CISWI operators who have completed review of the information in 40 CFR 62.14590a(a) as required by 40 CFR 62.14590(b), including the date of the initial review and all subsequent annual reviews. (40 CFR 62.14675a(e))

f. Records showing the names of the CISWI operators who have completed the operator training requirements under 40 CFR 62.14565a, met the criteria for qualification under 40 CFR 62.14575a, and maintained or renewed their qualification under 40 CFR 62.14580a or 40 CFR 62.14585a. Records must include documentation of training, the dates of the initial and refresher training, and the dates of their qualification and all subsequent renewals of such qualifications. (40 CFR 62.14675a(f))

g. For each qualified operator, the phone and/or pager number at which they can be reached during operating hours. (40 CFR 62.14675a(g))

h. Records of calibration of any monitoring devices as required under 40 CFR 62.14665a. (40 CFR 62.14675a(h))

i. Equipment vendor specifications and related operation and maintenance requirements for the incinerator, emission controls, and monitoring equipment. (40 CFR 62.14675a(i))

j. The information listed in 40 CFR 62.14590a(a). (40 CFR 62.14675a(j))

k. On a daily basis, keep a log of the quantity of waste burned and the types of waste burned (always required). (40 CFR 62.14675a(k))

l. Maintain records of the annual air pollution control device inspections that are required for each CISWI subject to the emissions limits in Table 6 to Subpart IIIa, any required maintenance and any repairs not completed within 10 days of an inspection or the timeframe established by the state regulatory agency. (40 CFR 62.14675a(l))

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K. Recordkeeping and Reporting (continued)

1. What records must I keep? (continued)

The Permittee must maintain the items (as applicable) as specified in paragraphs (a) through (o) of 40 CFR 62.14675a for a period of at least 5 years: (40 CFR 62.14675a) (continued)

m. For continuously monitored pollutants or parameters, the Permittee must document and keep a record of the following parameters measured using continuous monitoring systems. If the Permittee monitors emissions with a CEMS, the Permittee must indicate which data are CEMS data during startup and shutdown: (40 CFR 62.14675a(m))
   (1) All 6-minute average levels of opacity; (40 CFR 62.14675a(m)(1))
   (2) All 1-hour average concentrations of sulfur dioxide emissions; (40 CFR 62.14675a(m)(2))
   (3) All 1-hour average concentrations of nitrogen oxides emissions; (40 CFR 62.14675a(m)(3))
   (4) All 1-hour average concentrations of carbon monoxide emissions; (40 CFR 62.14675a(m)(4))
   (5) All 1-hour average concentrations of particulate matter emissions; (40 CFR 62.14675a(m)(5))
   (6) All 1-hour average concentrations of mercury emissions; (40 CFR 62.14675a(m)(6))
   (7) All 1-hour average concentrations of HCl CEMS outputs; (40 CFR 62.14675a(m)(7))
   (8) All 1-hour average percent oxygen concentrations; and (40 CFR 62.14675a(m)(8))
   (9) All 1-hour average PM CPMS readings or particulate matter CEMS outputs. (40 CFR 62.14675a(m)(9))

n. If the Permittee choose to stack test less frequently than annually, consistent with 40 CFR 62.14655a(a), the Permittee must keep annual records that document that the emissions in the previous stack test(s) were less than 75 percent of the applicable emission limit and document that there was no change in source operations including fuel composition and operation of air pollution control equipment that would cause emissions of the relevant pollutant to increase within the past year. (40 CFR 62.14675a(o))

o. Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. (40 CFR 62.14675a(p))

p. Records of all required maintenance performed on the air pollution control and monitoring equipment. (40 CFR 62.14675a(q))

q. Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 60.11(d), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. (40 CFR 62.14675a(r))

r. For operating units that combust non-hazardous secondary materials that have been determined not to be solid waste pursuant to 40 CFR 241.3(b)(1), the Permittee must keep a record which documents how the secondary material meets each of the legitimacy criteria under 40 CFR 241.3(d)(1). If the Permittee combust a fuel that has been processed from a discarded non-hazardous secondary material pursuant to 40 CFR 241.3(b)(4), the Permittee must keep records as to how the operations that produced the fuel satisfies the definition of processing in 40 CFR 241.2 and each of the legitimacy criteria in 40 CFR 241.3(d)(1). If the fuel received a non-waste determination pursuant to the petition process submitted under 40 CFR 241.3(c), the Permittee must keep a record that documents how the fuel satisfies the requirements of the petition process. For operating units that combust non-hazardous secondary materials as fuel per 40 CFR 241.4, the Permittee must keep records documenting that the material is a listed non-waste under 40 CFR 241.4(a). (40 CFR 62.14675a(s))

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K. Recordkeeping and Reporting (continued)

2. Where and in what format must the Permittee keep records?
All records must be available onsite in either paper copy or computer-readable format that can be printed upon request, unless an alternative format is approved by the Administrator. (40 CFR 62.14680a)

3. What reports must the Permittee submit? (40 CFR 62.14685a)
   a. Waste Management Plan is due date is no later than 30 days after the date of publication in the Federal Registrar or the date the Permittee recommence burning solid waste, whichever is later. (40 CFR 6214690a, 62.14685a - Table 3)
   b. Initial Test Report is due no later than 60 days following the initial performance test. The contents of the report shall include the following: (40 CFR 62.14695a, 62.14685a - Table 3)
      (1) Complete test report for the initial performance test.
      (2) The values for the site-specific operating limits.
      (3) Installation of bag leak detection systems for fabric filters.
   c. Annual report is due no later than 12 months following the submission of the initial test report. Subsequent reports are to be submitted no more than 12 months following the previous report. The contents of the report shall include the following: (40 CFR 62.14700a, 62.14705a, 62.14685a - Table 3)
      (1) Name and address.
      (2) State and signature by responsible official.
      (3) Date of report.
      (4) Values for the operating limits.
      (5) Highest recorded 3-hour average and the lowest 3-hour average, as applicable, (or 30-day average, if applicable) for each operating parameter recorded for the calendar year being reported.
      (6) If a performance test was conducted during the reporting period, the results of the test.
      (7) If a performance test was not conducted during the reporting period, a statement that the requirements of 40 CFR 62.1468055a(a) were met.
      (8) Documentation of periods when all qualified CISWI operators were unavailable for more than 8 hours but less than 2 weeks
      (9) If the Permittee is conducting performance tests once every 3 years consistent with 40 CFR 62.1468055a(a), the date of the last 2 performance tests, a comparison of the emission level achieved in the last 2 performance tests to the 75 percent emission limit threshold required in 40 CFR 62.1468055a(a) and a statement as to whether there have been any operational changes since the last performance test that could increase emissions.
      (10) Any malfunction, deviation, or continuous monitoring system out of control periods information as specified in 40 CFR 62.14705a(k) through (o).
   d. Emission Limitation or Operating Limit Deviation Report is due by August 1 of that year for data collected during the first half of the calendar year and by February 1 of the following year for data collected during the second half of the calendar year. The contents of the report shall include the following: (40 CFR 62.14710a, 62.14715a, 62.14685a - Table 3)
      (1) Date and times of deviations.
      (2) Averaged and recorded data for these dates.
      (3) Duration and causes for each deviation and the corrective actions taken.
      (4) Copy of the operating limit monitoring data and any test reports.
      (5) Dates, times, and causes for monitor downtime incidents.

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K. Recordkeeping and Reporting (continued)

3. What reports must the Permittee submit? (40 CFR 62.14685a) (continued)
   e. Qualified Operator Deviation Notification is due within 10 days of deviation. The contents of the report shall include the following: (40 CFR 62.14720a(a)(1), 62.14685a - Table 3)
      (1) State of cause of deviation.
      (2) Description of efforts to have an accessible qualified operator.
      (3) The date a qualified operator will be accessible.
   f. Qualified Operator Deviation Status Report is due every 4 weeks following deviation. The contents of the report shall include: (40 CFR 62.14720a(a)(2)), 62.14685a - Table 3)
      (1) Description of efforts to have an accessible qualified operator.
      (2) The date a qualified operator will be accessible.
      (3) Request for approval to continue operation.
   g. Qualified Operator Deviation Notification of Resumed Operation is due prior to resuming operation. The contents of the report shall include notification that the Permittee is resuming operation.(40 CFR 62.14720a(b), 62.14685a - Table 3)

4. When must the Permittee submit the waste management plan?
   The Permittee must submit a waste management plan no later than 30 days after date of publication in the Federal Register or the date the Permittee recommence burning solid waste, whichever is later. (40 CFR 62.14690a)

5. What information must the Permittee submit following my initial performance test?
   The Permittee must submit the information specified in paragraphs (a) through (c) of 40 CFR 62.14695a no later than 60 days following the initial performance test. All reports must be signed by the facilities manager: (40 CFR 62.14695a)
   a. The complete test report for the initial performance test results obtained under 40 CFR 62.14625a, as applicable; (40 CFR 62.14695a(a))
   b. The values for the site-specific operating limits established in 40 CFR 62.14605a or 40 CFR 62.14610a; and (40 CFR 62.14695a(b))

6. When must the Permittee submit the annual report?
   The Permittee must submit an annual report no later than 12 months following the submission of the information in 40 CFR 62.14695a. The Permittee must submit subsequent reports no more than 12 months following the previous report. (If the unit is subject to permitting requirements under Title V of the Clean Air Act, the Permittee may be required by the permit to submit these reports more frequently.) (40 CFR 62.14700a)

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K. Recordkeeping and Reporting (continued)

7. What information must the Permittee include in the annual report?

The annual report required under 40 CFR 62.14700a must include the ten items listed in paragraphs (a) through (p) of 40 CFR 62.14705a. If the Permittee has a deviation from the operating limits or the emission limitations, the Permittee must also submit deviation reports as specified in 40 CFR 62.14710a, 62.14715a, and 62.14720a. (40 CFR 62.14705a)

a. Company name and address; (40 CFR 62.14705a(a))

b. Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report. If the report is submitted via CEDRI, the certifier's electronic signature during the submission process replaces this requirement; (40 CFR 62.14705a(b))

c. Date of report and beginning and ending dates of the reporting period. The Permittee is no longer required to provide the date of the report when the report is submitted via CEDRI; (40 CFR 62.14705a(c))

d. The values for the operating limits established pursuant to 40 CFR 62.14605a or 40 CFR 62.14610a; (40 CFR 62.14705a(d))

e. If no deviation from any emission limitation or operating limit that applies to the Permittee has been reported, a statement that there was no deviation from the emission limitations or operating limits during the reporting period; (40 CFR 62.14705a(e))

f. The highest recorded 3-hour average and the lowest recorded 3-hour average (30-day average for energy recovery units), as applicable, for each operating parameter recorded for the calendar year being reported; (40 CFR 62.14705a(f))

g. Information recorded under 40 CFR 62.14675a(b)(6) and (c) through (e) for the calendar year being reported; (40 CFR 62.14705a(g))

h. For each performance test conducted during the reporting period, if any performance test is conducted, the process unit(s) tested, the pollutant(s) tested and the date that such performance test was conducted. Submit, following the procedure specified in 40 CFR 62.14730a(b)(1), the performance test report no later than the date that you submit the annual report; (40 CFR 62.14705a(h))

i. If the Permittee met the requirements of 40 CFR 62.14655a(a), and did not conduct a performance test during the reporting period, the Permittee must state that they met the requirements of 40 CFR 62.14655a(a), and, therefore, were not required to conduct a performance test during the reporting period; (40 CFR 62.14705a(i))

j. The start date, start time, and duration (in hours) of periods when all qualified CISWI operators were unavailable for more than 8 hours, but less than 2 weeks; (40 CFR 62.14705a(j))

k. If the Permittee had a malfunction during the reporting period, the compliance report must include the start date, start time, duration (in hours), and a brief description for each malfunction that occurred during the reporting period and that caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the Permittee during a malfunction of an affected source to minimize emissions in accordance with 40 CFR 60.11(d), including actions taken to correct a malfunction; (40 CFR 62.14705a(k))

l. For each deviation from an emission or operating limitation that occurs for a CISWI for which you are not using a CMS to comply with the emission or operating limitations in Subpart IIIa, the annual report must contain the following information: (40 CFR 62.14705a(l))

(1) The total operating time (in hours) of the CISWI at which the deviation occurred during the reporting period; and (40 CFR 62.14705a(l)(1))

(2) Information on the start date, start time, duration (in hours), and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken. (40 CFR 62.14705a(l)(2))

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K. Recordkeeping and Reporting (continued)

7. What information must the Permittee include in the annual report? (continued)

The annual report required under 40 CFR 62.14700a must include the ten items listed in paragraphs (a) through (p) of 40 CFR 62.14705a. If the Permittee has a deviation from the operating limits or the emission limitations, the Permittee must also submit deviation reports as specified in 40 CFR 62.14710a, 62.14715a, and 62.14720a. (40 CFR 62.14705a) (continued)

m. If there were periods during which the continuous monitoring system, including the CEMS, was out of control as specified in paragraph (o) of 40 CFR 62.14705a, the annual report must contain the following information for each deviation from an emission or operating limitation occurring for a CISWI for which the Permittee is using a continuous monitoring system to comply with the emission and operating limitations in Subpart IIIa: (40 CFR 62.14705a(m))

(1) The date and time that each malfunction started and stopped; (40 CFR 62.14705a(m)(1))

(2) The start and end date and time and duration (in hours) that each CMS was inoperative, except for zero (low-level) and high-level checks; (40 CFR 62.14705a(m)(2))

(3) The start and end date and time and duration (in hours) that each continuous monitoring system was out-of-control, and descriptions of corrective actions taken; (40 CFR 62.14705a(m)(3))

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period; (40 CFR 62.14705a(m)(4))

(5) A summary of the total duration (in hours) of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period; (40 CFR 62.14705a(m)(5))

(6) A breakdown of the total duration (in hours) of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes; (40 CFR 62.14705a(m)(6))

(7) A summary of the total duration (in hours) of continuous monitoring system downtime during the reporting period, and the total duration of continuous monitoring system downtime as a percent of the total operating time of the CISWI at which the continuous monitoring system downtime occurred during that reporting period; (40 CFR 62.14705a(m)(7))

(8) An identification of each parameter and pollutant that was monitored at the CISWI; (40 CFR 62.14705a(m)(8))

(9) A brief description of the CISWI; (40 CFR 62.14705a(m)(9))

(10) A brief description of the continuous monitoring system; (40 CFR 62.14705a(m)(10))

(11) The date of the latest continuous monitoring system certification or audit; and (40 CFR 62.14705a(m)(11))

(12) A description of any changes in continuous monitoring system, processes, or controls since the last reporting period. (40 CFR 62.14705a(m)(12))

n. If there were periods during which the continuous monitoring system, including the CEMS, was not out of control as specified in paragraph (o) of 40 CFR 62.14705a, a statement that there were not periods during which the continuous monitoring system was out of control during the reporting period. (40 CFR 62.14705a(n))

o. A continuous monitoring system is out of control if any of the following occur: (40 CFR 62.14705a(o))

(1) The zero (low-level), mid-level (if applicable), or high-level calibration drift exceeds two times the applicable calibration drift specification in the applicable performance specification or in the relevant standard; (40 CFR 62.14705a(o)(1))

(2) The continuous monitoring system fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit, or linearity test audit; and (40 CFR 62.14705a(o)(2))

(3) The continuous opacity monitoring system calibration drift exceeds two times the limit in the applicable performance specification in the relevant standard. (40 CFR 62.14705a(o)(3))

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K. Recordkeeping and Reporting (continued)

8. What else must the Permittee report if the Permittee has a deviation from the operating limits or the emission limitations?
   a. The Permittee must submit a deviation report if any recorded 3-hour average (30-day average for energy recovery units or for PM CPMS) parameter level is above the maximum operating limit or below the minimum operating limit established under Subpart IIIa, if the bag leak detection system alarm sounds for more than 5 percent of the operating time for any 6-month reporting period, if a performance test was conducted that deviated from any emission limitation, or if a 30-day average measured using a CEMS deviated from any emission limitation. (40 CFR 62.14710a(a))
   b. The deviation report must be submitted by August 1 of that year for data collected during the first half of the calendar year (January 1 to June 30), and by February 1 of the following year for data collected during the second half of the calendar year (July 1 to December 31). (40 CFR 62.14710a(b))

9. What must the Permittee include in the deviation report?
   In each report required under 40 CFR 62.14710a, for any pollutant or parameter that deviated from the emission limitations or operating limits specified in Subpart IIIa, include the four items described below. (40 CFR 62.14715a)
   a. The calendar dates and times your unit deviated from the emission limitations or operating limit requirements; (40 CFR 62.14715a(a))
   b. The averaged and recorded data for those dates; (40 CFR 62.14715a(b))
   c. Duration and causes of the following: (40 CFR 62.14715a(c))
      (1) Each deviation from the emission limitations or operating limits and your corrective actions; and (40 CFR 62.14715a(c)(1))
   d. A copy of the operating limit monitoring data during each deviation and, for any test report that documents the emission levels, the process unit(s) tested, the pollutant(s) tested and the date that the performance test was conducted. Submit, following the procedure specified in 40 CFR 62.14730a(b)(1), the performance test report no later than the date that the Permittee submit the deviation report. (40 CFR 62.14715a(d))

10. What else must the Permittee report if the Permittee has a deviation from the requirement to have a qualified operator accessible?
   a. If all qualified operators are not accessible for two weeks or more, the Permittee must take the two actions below. (40 CFR 62.14720a(a))
      (1) The Permittee must submit a notification of the deviation within 10 days that includes the three items below. (40 CFR 62.14720a(a)(1))
         (a) A statement of what caused the deviation; (40 CFR 62.14720a(a)(1)(i))
         (b) A description of what the Permittee is doing to ensure that a qualified operator is accessible; and (40 CFR 62.14720a(a)(1)(ii))
         (c) The date when the Permittee anticipates that a qualified operator will be available. (40 CFR 62.14720a(a)(1)(iii))
      (2) Submit a status report to the Administrator every 4 weeks that includes the three items below. (40 CFR 62.14720a(a)(2))
         (a) A description of what the Permittee is doing to ensure that a qualified operator is accessible; (40 CFR 62.14720a(a)(2)(i))
         (b) The date when the Permittee anticipates that a qualified operator will be accessible; and(40 CFR 62.14720a(a)(2)(ii))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

K. Recordkeeping and Reporting (continued)

10. What else must the Permittee report if the Permittee has a deviation from the requirement to have a qualified operator accessible? (continued)
    a. If all qualified operators are not accessible for two weeks or more, the Permittee must take the two actions below. (40 CFR 62.14720a(a)) (continued)
        (2) Submit a status report to the Administrator every 4 weeks that includes the three items below. (40 CFR 62.14720a(a)(2)) (continued)
            (c) Request approval from the Administrator to continue operation of the CISWI. (40 CFR 62.14720a(a)(2)(iii))
    b. If the unit was shut down by the Administrator, under the provisions of 40 CFR 62.14595a(b)(2), due to a failure to provide an accessible qualified operator, the Permittee must notify the Administrator that the Permittee are resuming operation once a qualified operator is accessible. (40 CFR 62.14720a(b))

11. Are there any other notifications or reports that the Permittee must submit?
    a. Yes. The Permittee must submit notifications as provided by 40 CFR 60.7. (40 CFR 62.14725a(a))
    b. If the Permittee cease combusting solid waste but continue to operate, the Permittee must provide 30 days prior notice of the effective date of the waste-to-fuel switch, consistent with 40 CFR 62.14640a(a). The notification must identify: (40 CFR 62.14725a(b))
        (1) The name of the Permittee of the CISWI, the location of the source, the emissions unit(s) that will cease burning solid waste, and the date of the notice; (40 CFR 62.14725a(b)(1))
        (2) The currently applicable subcategory under Subpart IIIa, and any 40 CFR Part 63 subpart and subcategory that will be applicable after the Permittee cease combusting solid waste; (40 CFR 62.14725a(b)(2))
        (3) The fuel(s), non-waste material(s) and solid waste(s) the CISWI is currently combusting and has combusted over the past 6 months, and the fuel(s) or non-waste materials the unit will commence combusting; (40 CFR 62.14725a(b)(3))
        (4) The date on which the Permittee became subject to the currently applicable emission limits; and(40 CFR 62.14725a(b)(4))
        (5) The date upon which the Permittee will cease combusting solid waste, and the date (if different) that the Permittee intend for any new requirements to become applicable (i.e., the effective date of the waste-to-fuel switch), consistent with paragraphs (b)(2) and (3) of 40 CFR 62.14725a. (40 CFR 62.14725a(b)(5))

12. In what form can the Permittee submit the reports?
    a. Submit initial, annual, and deviation reports electronically or in paper format, postmarked on or before the submittal due dates. Beginning 30 days after date of publication in the Federal Register or once the reporting form has been available in CEDRI for 1 year, whichever is later, the Permittee must submit subsequent reports on or before the submittal dates to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov). Use the appropriate electronic report in CEDRI for Subpart IIIa or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Website (https://www.epa.gov/electronic-reporting-air- emissions/compliance-and-emissions-data-reporting-interface-cedri). When the date forms become available in CEDRI will be listed on the CEDRI Website. If the reporting form specific to Subpart IIIa is not available in CEDRI at the time that the report is due, submit the report to the Administrator at the appropriate address listed in 40 CFR 60.4. Once the form has been available in CEDRI for 90 calendar days, the Permittee must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadlines specified in Subpart IIIa, regardless of the method in which the report is submitted. (40 CFR 62.14730a(a))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

K. Recordkeeping and Reporting (continued)

12. In what form can the Permittee submit the reports? (continued)

b. Submit results of each performance test and CEMS performance evaluation required by Subpart IIIa as follows: (40 CFR 62.14730a(b))

(1) Within 60 days after the date of completing each performance test (see 40 CFR 60.8) required by Subpart IIIa, the Permittee must submit the results of the performance test following the procedure specified in either paragraph below: (40 CFR 62.14730a(b)(1))

(a) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Website (https://www.epa.gov/electronic-reporting-air- emissions/electronic-reporting-tool-ert) at the time of the test, the Permittee must submit the results of the performance test to the EPA via the CEDRI. CEDRI can be accessed through the EPA's CDX (https://cdx.epa.gov). Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the XML schema listed on the EPA's ERT Website. If the Permittee claim that some of the performance test information being submitted is confidential business information (CBI), the Permittee must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph; and (40 CFR 62.14730a(b)(1)(i))

(b) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT Website at the time of the test, the Permittee must submit the results of the performance test to the Administrator at the appropriate address listed in § 60.4. (40 CFR 62.14730a(b)(1)(ii))

(2) Within 60 days after the date of completing each CEMS performance evaluation the Permittee must submit the results of the performance evaluation following the procedure specified in either paragraph (b)(2) (i) or (b)(2) (ii) of 40 CFR 62.14730a. In the situation where performance evaluations cover multiple days, the results may be submitted together up to 60 days after all performance evaluations are completed. (40 CFR 62.14730a(b)(2))

(a) For performance evaluations of continuous monitoring systems measuring relative accuracy test audit (RATA) pollutants that are supported by the EPA's ERT as listed on the EPA's ERT Website at the time of the evaluation, the Permittee must submit the results of the performance evaluation to the EPA via the CEDRI. CEDRI can be accessed through the EPA's CDX. Performance evaluation data must be submitted in a file format generated through the use of the EPA's ERT or an alternate file format consistent with the XML schema listed on the EPA's ERT Website. If the Permittee claim that some of the performance evaluation information being submitted is CBI, the Permittee must submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Website, including information claimed to be CBI, on a compact disc, flash drive, or other commonly used electronic storage media to the EPA. The electronic storage media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via the EPA's CDX as described earlier in this paragraph; and (40 CFR 62.14730a(b)(2)(i))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

K. Recordkeeping and Reporting (continued)

12. In what form can I submit my reports? (continued)

b. Submit results of each performance test and CEMS performance evaluation required by Subpart IIIa as follows: (40 CFR 62.14730a(b)) (continued)

(2) (continued)

(b) For any performance evaluations of continuous monitoring systems measuring RATA pollutants that are not supported by the EPA's ERT as listed on the EPA's ERT Website at the time of the evaluation, the Permittee must submit the results of the performance evaluation to the Administrator at the appropriate address listed in 40 CFR 60.4. (40 CFR 62.14730a(b)(2)(ii))

c. If the Permittee is required to electronically submit a report through the Compliance and Emissions Data Reporting Interface (CEDRI) in the EPA's Central Data Exchange (CDX), and due to a planned or actual outage of either the EPA's CEDRI or CDX systems within the period of time beginning 5 business days prior to the date that the submission is due, the Permittee will be or are precluded from accessing CEDRI or CDX and submitting a required report within the time prescribed, the Permittee may assert a claim of EPA system outage for failure to timely comply with the reporting requirement. The Permittee must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The Permittee must provide to the Administrator a written description identifying the date, time and length of the outage; a rationale for attributing the delay in reporting beyond the regulatory deadline to the EPA system outage; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the propose to report, or if the Permittee has already met the reporting requirement at the time of the notification, the date reported. In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved. The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator. (40 CFR 62.14730a(c))

d. If the Permittee is required to electronically submit a report through CEDRI in the EPA's CDX and a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning 5 business days prior to the date the submission is due, the Permittee may assert a claim of force majeure for failure to timely comply with the reporting requirement. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the Permittee from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage). If the Permittee intend to assert a claim of force majeure, the Permittee must submit notification to the Administrator in writing as soon as possible following the date the Permittee first knew, or through due diligence should have known, that the event may cause or caused a delay in reporting. The Permittee must provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; describe the measures taken or to be taken to minimize the delay in reporting; and identify a date by which the Permittee propose to report, or if the Permittee have already met the reporting requirement at the time of the notification, the date reported. In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs. The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator. (40 CFR 62.14730a(d))

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Section VI. Federal Plan Requirements – 40 CFR Part 62 Subpart IIIa – Commercial and Industrial Solid Waste Incineration Units That Commenced Construction on or Before June 4, 2010 and Have Not Been Modified or Reconstructed Since August 7, 2013 (continued)

K. Recordkeeping and Reporting (continued)

13. Can reporting dates be changed?
If the Administrator agrees, the Permittee may change the semiannual or annual reporting dates. See 40 CFR 60.19(c) for procedures to seek approval to change the reporting date. (40 CFR 62.14735a)

L. Delegation of Authority

What authorities are withheld by the EPA Administrator?
The following authorities are withheld by the EPA Administrator and not transferred to the state or tribe: (40 CFR 62.14775a)

a. Approval of alternatives to the emission limitations in Table 6 to Subpart IIIa and operating limits established under 40 CFR 62.14605a and Table 1 to Subpart IIIa. (40 CFR 62.14775a(a))
b. Approval of petitions submitted pursuant to the requirements of 40 CFR 62.14610a establishing operating parameters when using controls other than a wet scrubber, fabric filter, activated carbon injection, selective noncatalytic reduction, or a dry scrubber to comply with the emission limitations in Table 6 to Subpart IIIa. (40 CFR 62.14775a(b))
c. Approval of major alternatives to test methods established under 40 CFR 62.14615a and Tables 4 through 7 to Subpart IIIa. (40 CFR 62.14775a(c))
d. Approval of major alternatives to monitoring requirements established under 40 CFR 62.14665a, 40 CFR 62.14575a and Table 1 to Subpart IIIa. (40 CFR 62.14775a(d))
e. Approval of major alternatives to recordkeeping and reporting requirements of Subpart IIIa. (40 CFR 62.14775a(e))
f. Approval of an alternative to any electronic reporting to the EPA required by Subpart IIIa. (40 CFR 62.14775a(f))
g. Approval of requests submitted pursuant to the requirements in 40 CFR 62.14595a(b)(2). (40 CFR 62.14775a(g))
h. Approval of alternative opacity emission limits in 40 CFR 62.14600a under 40 CFR 60.11(e)(6)through (e)(8). (40 CFR 62.14775a(h))
i. Performance test and data reduction waivers under 40 CFR 62.14615a(j), 60.8(b)(4) and(5). (40 CFR 62.14775a(i))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions

A. 40 CFR Part 60 Appendix B and Appendix F – SO_2 and NOx Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405)

1. On or before the date of start-up of **Systems 09 and 15, each**, the Permittee shall install, calibrate, operate, and maintain an SO_2 and NO_X CEMS in the exhaust stacks of **Systems 09 and 15, each.** The CEMS sampling probe must be installed at an appropriate location in the exhaust stacks to accurately and continuously measure the concentration of SO_2 and NO_X (in pounds per hour from **Systems 09 and 15, each**, in accordance with the requirements prescribed in Nevada Administrative Code (NAC) 445B.252 to NAC 445B.267, applicable subparts 40 CFR Part 60 Appendix B and Appendix F. Verification of the operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices.

2. The Permittee shall comply with the following method performance specifications (40 CFR Part 60 Appendix B PS-2 Section 13.0):
   a. Calibration Drift
   b. Relative Accuracy

3. The Permittee shall develop and implement a Quality Control (QC) program. As a minimum, each QC program must include written procedures which should describe in detail, complete, step-by-step procedures and operations for each of the following activities (40 CFR Part 60 Appendix F Procedure 1 Section 3.0):
   a. Calibration of CEMS
   b. Calibration maintenance of CEMS (including spare parts inventory)
   c. Preventative maintenance of CEMS (including spare parts inventory)
   d. Data recording, calculations, and reporting
   e. Accuracy audit procedures including sampling and analysis methods
   f. Program of corrective action for malfunctioning CEMS

4. The written procedures under **VII.A.3.** of this section, must be kept on record and available for inspection by the Director. (40 CFR Part 60 Appendix F Procedure 1 Section 3.0)

5. The Permittee shall conduct a Calibration Drift Assessment according to 40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2. (40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2).

6. The Permittee shall record and report all CEMS data according to 40 CFR Part 60 Appendix F Procedure 1 Section 4.4. All measurements from the CEMS must be retained on file by the Permittee for at least 2 years. (40 CFR Part 60 Appendix F Procedure 1 Section 4.4)

7. Each CEMS must be audited at least once each calendar quarter. Successive quarterly audits shall occur no closer than 2 months. The audits shall be conducted as follows (40 CFR Part 60 Appendix F Procedure 1 Section 5.1):
   a. The Relative Accuracy Test (RATA) shall be conducted once every four calendar quarters. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.1)
   b. The Cylinder Gas Audit (CGA) shall be conducted every quarter except when a RATA is conducted. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.2)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions (continued)

A. 40 CFR Part 60 Appendix B and Appendix F – SO_2 and NOx Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405) (continued)

8. Unless specified otherwise in the applicable subpart, the Permittee shall comply with the relative accuracy criteria:
   a. For RATA (40 CFR Part 60 Appendix F Procedure 1 Section 5.2.3(1)):
      (1) For SO_2 and NO_X, RA shall be less than or equal to 20% (if the value determined by the Reference Method (RM) is greater than 50% of the emission limit) or RA shall be less than or equal to 10% (if the value determined by the RM is less than 50% of the emission limit). (40 CFR Part 60 Appendix B PS-2 Section 13.2)
   b. For CGA ±15 percent of the average audit value for ±5 ppm, whichever is greater. (40 CFR Part 60 Appendix F Procedure 1 Section 5.2.3(2))

9. The Permittee shall conduct and report to the Director a quarterly audit as specified under 40 CFR Part 60 Appendix F Procedure 1 Section 7.0. (40 CFR Part 60 Appendix F Procedure 1 Section 7.0)

10. Monitoring systems: Records; Reports (NAC 445B.265)
   a. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain records of the occurrence and duration of any start-up, 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.
   b. The Permittee required to install a continuous monitoring system shall submit a written report of excess emissions to the director for every calendar quarter. All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include the following information:
      (1) The magnitude of excess emissions computed in accordance with NAC 445B.256 to 445B.267, inclusive, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
      (2) Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the affected facility.
      (3) The nature and cause of any malfunction, if known, the corrective action taken or preventative measures adopted.
      (4) Specific identification of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of any repairs or adjustments that were made.
         (a) When no excess emissions have occurred and the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be included in the report.
   c. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain a file of all measurements, including:
      (1) Continuous monitoring systems, monitoring devices and performance testing measurements;
      (2) All continuous monitoring system performance evaluations;
      (3) All continuous monitoring systems or monitoring device calibration checks;
      (4) Adjustments and maintenance performed on these systems or devices; and
      (5) All other information required by NAC 445B.256 to 445B.267, inclusive, recorded in a permanent form suitable for inspection.
         (a) The file shall be retained for at least 2 years following the date of the measurements, maintenance, reports and records.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions (continued)

B. 40 CFR Part 60 Appendix B and Appendix F – CO Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405)

1. On or before the date of start-up of **System 09 and 15, each,** the Permittee shall install, calibrate, operate, and maintain a CO CEMS in the exhaust stacks o **System 09 and 15, each**. The CEMS sampling probe must be installed at an appropriate location in the exhaust stacks to accurately and continuously measure the concentration of CO (in pounds per hour) fro **System 09 and 15, each,** in accordance with the requirements prescribed in Nevada Administrative Code (NAC) 445B.252 to NAC 445B.267, applicable subparts 40 CFR Part 60 Appendix B and Appendix F. Verification of the operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices.

2. The Permittee shall perform procedures for the following (40 CFR Part 60 Appendix B PS-4A Sections 8.3 through 8.4):
   a. Response Time Test
   b. Interference Check

3. The Permittee shall comply with the following method performance specifications (40 CFR Part 60 Appendix B PS-4A Section 13.0):
   a. Calibration Drift
   b. Relative Accuracy
   c. Response Time

4. The Permittee may perform alternative procedures as specified under 40 CFR Part 60 Appendix B PS-4A Section 16.0. (40 CFR Part 60 Appendix B PS-4A Section 16.0)

5. The Permittee shall develop and implement a Quality Control (QC) program. As a minimum, each QC program must include written procedures which should describe in detail, complete, step-by-step procedures and operations for each of the following activities (40 CFR Part 60 Appendix F Procedure 1 Section 3.0):
   a. Calibration of CEMS
   b. Calibration maintenance of CEMS (including spare parts inventory)
   c. Preventative maintenance of CEMS (including spare parts inventory)
   d. Data recording, calculations, and reporting
   e. Accuracy audit procedures including sampling and analysis methods
   f. Program of corrective action for malfunctioning CEMS

6. The written procedures under **VII.B.5.** of this section, must be kept on record and available for inspection by the Director. (40 CFR Part 60 Appendix F Procedure 1 Section 3.0)

7. The Permittee shall conduct a Calibration Drift Assessment according to 40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2. (40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2).

8. The Permittee shall record and report all CEMS data according to 40 CFR Part 60 Appendix F Procedure 1 Section 4.4. All measurements from the CEMS must be retained on file by the Permittee for at least 2 years. (40 CFR Part 60 Appendix F Procedure 1 Section 4.4)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions (continued)

B. 40 CFR Part 60 Appendix B and Appendix F – CO Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405) (continued)

9. Each CEMS must be audited at least once each calendar quarter. Successive quarterly audits shall occur no closer than 2 months. The audits shall be conducted as follows (40 CFR Part 60 Appendix F Procedure 1 Section 5.1):
   a. The Relative Accuracy Test (RATA) shall be conducted once every four calendar quarters. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.1)
   b. The Cylinder Gas Audit (CGA) shall be conducted every quarter except when a RATA is conducted. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.2)

10. Unless specified otherwise in the applicable subpart, the Permittee shall comply with the relative accuracy criteria:
   a. For RATA (40 CFR Part 60 Appendix F Procedure 1 Section 5.2.3(1)):
      (1) For CO emissions, RA shall be less than or equal to 10% (if the value determined by the Reference Method (RM) is greater than 50% of the emission limit) or RA shall be less than or equal to 5% (if the value determined by the RM is less than 50% of the emission limit). (40 CFR Part 60 Appendix B PS-4 Section 13.2)
   b. For CGA ±15 percent of the average audit value for ±5 ppm, whichever is greater. (40 CFR Part 60 Appendix F Procedure 1 Section 5.2.3(2))

11. The Permittee shall conduct and report to the Director a quarterly audit as specified under 40 CFR Part 60 Appendix F Procedure 1 Section 7.0. (40 CFR Part 60 Appendix F Procedure 1 Section 7.0)

12. Monitoring systems: Records; Reports (NAC 445B.265)
   a. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain records of the occurrence and duration of any start-up, 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.
   b. The Permittee required to install a continuous monitoring system shall submit a written report of excess emissions to the director for every calendar quarter. All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include the following information:
      (1) The magnitude of excess emissions computed in accordance with NAC 445B.256 to 445B.267, inclusive, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
      (2) Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the affected facility.
      (3) The nature and cause of any malfunction, if known, the corrective action taken or preventative measures adopted.
      (4) Specific identification of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of any repairs or adjustments that were made.
         (a) When no excess emissions have occurred and the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be included in the report.
   c. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain a file of all measurements, including:
      (1) Continuous monitoring systems, monitoring devices and performance testing measurements;
      (2) All continuous monitoring system performance evaluations;
      (3) All continuous monitoring systems or monitoring device calibration checks;
      (4) Adjustments and maintenance performed on these systems or devices; and
      (5) All other information required by NAC 445B.256 to 445B.267, inclusive, recorded in a permanent form suitable for inspection.
         (a) The file shall be retained for at least 2 years following the date of the measurements, maintenance, reports and records.

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions (continued)

C. 40 CFR Part 60 Appendix B and Appendix F – HCl Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405)

1. On or before the date of start-up of **Systems 09 and 15, each**, the Permittee shall install, calibrate, operate, and maintain a HCl CEMS in the exhaust stacks of **Systems 09 and 15, each**. The CEMS sampling probe must be installed at an appropriate location in the exhaust stacks to accurately and continuously measure the concentration of HCl (in ppmv) from **Systems 09 and 15, each**, in accordance with the requirements prescribed in Nevada Administrative Code (NAC) 445B.252 to NAC 445B.267, applicable subparts 40 CFR Part 60 Appendix B and Appendix F. Verification of the operational status shall, as a minimum, include completion of the manufacturer's written requirements or recommendations for installation, operation, and calibration of the devices.

2. The Permittee shall comply with the following performance specification test procedures (40 CFR Part 60 Appendix B PS-18 Section 11.0):
   a. Interference Test;
   b. Beam Intensity Test (IP-CEMS only)
   c. Temperature Verification Procedure (IP-CEMS only)
   d. Pressure Verification Procedure (IP-CEMS only)
   e. Level of Detection Determination
   f. Response Time Test
   g. Measurement Error Test
   h. Calibration Drift Test
   i. Relative Accuracy Test

3. The Permittee shall develop and implement a Quality Control (QC) program. As a minimum, each QC program must include written procedures which should describe in detail, complete, step-by-step procedures and operations for each of the following activities (40 CFR Part 60 Appendix F Procedure 1 Section 3.0):
   a. Calibration of CEMS
   b. Calibration maintenance of CEMS (including spare parts inventory)
   c. Preventative maintenance of CEMS (including spare parts inventory)
   d. Data recording, calculations, and reporting
   e. Accuracy audit procedures including sampling and analysis methods
   f. Program of corrective action for malfunctioning CEMS

4. The written procedures under **VII.D.3.** of this section, must be kept on record and available for inspection by the Director. (40 CFR Part 60 Appendix F Procedure 1 Section 3.0)

5. The Permittee shall conduct a Calibration Drift Assessment according to 40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2. (40 CFR Part 60 Appendix F Procedure 1 Sections 4.1 and 4.2).

6. The Permittee shall record and report all CEMS data according to 40 CFR Part 60 Appendix F Procedure 1 Section 4.4. All measurements from the CEMS must be retained on file by the Permittee for at least 2 years. (40 CFR Part 60 Appendix F Procedure 1 Section 4.4)

7. Each CEMS must be audited at least once each calendar quarter. Successive quarterly audits shall occur no closer than 2 months. The audits shall be conducted as follows (40 CFR Part 60 Appendix F Procedure 1 Section 5.1):
   a. The Relative Accuracy Test (RATA) shall be conducted once every four calendar quarters. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.1)
   b. The Cylinder Gas Audit (CGA) shall be conducted every quarter except when a RATA is conducted. (40 CFR Part 60 Appendix F Procedure 1 Section 5.1.2)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VII. Continuous Emissions Monitoring System (CEMS) Conditions (continued)

D. 40 CFR Part 60 Appendix B and Appendix F – HCl Continuous Emissions Monitoring System (CEMS) Requirements for **Systems 09 and 15** (NAC 445B.3405) (continued)

8. The Permittee shall replace the Relative Accuracy Test Audit requirements in Procedure 1 of Appendix F with the validation requirements and criteria of Sections 11.1.1 and 12 of PS-15 as specified in 40 CFR 60.2710 of Subpart IIIa. (40 CFR 60.2710(j)(1))

9. The Permittee shall conduct and report to the Director a quarterly audit as specified under 40 CFR Part 60 Appendix F Procedure 1 Section 7.0. (40 CFR Part 60 Appendix F Procedure 1 Section 7.0)

10. Monitoring systems: Records; Reports (NAC 445B.265)
    a. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain records of the occurrence and duration of any start-up, 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.
    b. The Permittee required to install a continuous monitoring system shall submit a written report of excess emissions to the director for every calendar quarter. All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include the following information:
        (1) The magnitude of excess emissions computed in accordance with NAC 445B.256 to 445B.267, inclusive, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
        (2) Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the affected facility.
        (3) The nature and cause of any malfunction, if known, the corrective action taken or preventative measures adopted.
        (4) Specific identification of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of any repairs or adjustments that were made.
            (a) When no excess emissions have occurred and the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be included in the report.
    c. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain a file of all measurements, including:
        (1) Continuous monitoring systems, monitoring devices and performance testing measurements;
        (2) All continuous monitoring system performance evaluations;
        (3) All continuous monitoring systems or monitoring device calibration checks;
        (4) Adjustments and maintenance performed on these systems or devices; and
        (5) All other information required by NAC 445B.256 to 445B.267, inclusive, recorded in a permanent form suitable for inspection.
            (a) The file shall be retained for at least 2 years following the date of the measurements, maintenance, reports and records.

******End of Continuous Emissions Monitoring System (CEMS) Conditions******

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section VIII. Continuous Opacity Monitoring System (COMS) Conditions

A. NAC 445B.265
Monitoring systems: Records; Reports

1. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain records of the occurrence and duration of any start-up, 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.
2. The Permittee required to install a continuous monitoring system shall submit a written report of excess emissions to the director for every calendar quarter. All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include the following information:
   a. The magnitude of excess emissions computed in accordance with NAC 445B.256 to 445B.267, inclusive, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
   b. Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the affected facility.
   c. The nature and cause of any malfunction, if known, the corrective action taken or preventative measures adopted.
   d. Specific identification of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of any repairs or adjustments that were made.
      (1) When no excess emissions have occurred and the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be included in the report.
3. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain a file of all measurements, including:
   a. Continuous monitoring systems, monitoring devices and performance testing measurements;
   b. All continuous monitoring system performance evaluations;
   c. All continuous monitoring systems or monitoring device calibration checks;
   d. Adjustments and maintenance performed on these systems or devices; and
   e. All other information required by NAC 445B.256 to 445B.267, inclusive, recorded in a permanent form suitable for inspection.
      (1) The file shall be retained for at least 2 years following the date of the measurements, maintenance, reports and records.

******End of Continuous Opacity Monitoring System (COMS) Conditions******

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section IX. Prevention of Significant Deterioration (PSD) – 40 CFR 52.21

A. Source Obligation for **Systems 09B, 15B, 34A through 34F, and 37** – 40 CFR 52.21(r)

The provisions of 40 CFR 52.21(r)(6) apply with respect to any regulated NSR pollutant emitted from projects at existing emissions units at a major stationary source (other than projects at a source with a PAL) in circumstances where there is a reasonable possibility, within the meaning of paragraph (r)(6)(vi) of 40 CFR 52.21, that a project that is not a part of a major modification may result in a significant emissions increase of such pollutant, and the Permittee elects to use the method specified in paragraphs (b)(41)(ii)(a) through (c) of 40 CFR 52.21 for calculating projected actual emissions. (40 CFR 52.21(r)(6))

a. Before beginning actual construction of the project, the Permittee shall document and maintain a record of the following information: (40 CFR 52.21(r)(6)(i)(a) through (c))
   (1) A description of the project;
   (2) Identification of the emissions unit(s) whose emissions of a regulated NSR pollutant could be affected by the project; and
   (3) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions, the projected actual emissions, the amount of emissions excluded under paragraph (b)(41)(ii)(c) of 40 CFR 52.21(r)(6) and an explanation for why such amount was excluded, and any netting calculations, if applicable.

b. The Permittee shall monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any emissions unit identified in paragraph (r)(6)(i)(b) of 40 CFR 52.21(r)(6); and calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of 5 years following resumption of regular operations after the change, or for a period of 10 years following resumption of regular operations after the change if the project increases the design capacity or potential to emit that regulated NSR pollutant at such emissions unit. (40 CFR 52.21(r)(6)(iii))

c. If the unit is an existing unit other than an electric utility steam generating unit, the Permittee shall submit a report to the Administrator if the annual emissions, in tons per year, from the project identified in paragraph (r)(6)(i) of 40 CFR 52.21, exceed the baseline actual emissions (as documented and maintained pursuant to paragraph (r)(6)(i)(c) of 40 CFR 52.21), by a significant amount (as defined in paragraph (b)(23) of 40 CFR 52.21) for that regulated NSR pollutant, and if such emissions differ from the preconstruction projection as documented and maintained pursuant to paragraph (r)(6)(i)(c) of 40 CFR 52.21. Such report shall be submitted to the Administrator within 60 days after the end of such year. The report shall contain the following: (40 CFR 52.21(r)(6)(v)(a) through (c))
   (1) The name, address and telephone number of the major stationary source;
   (2) The annual emissions as calculated pursuant to paragraph (r)(6)(iii) of 40 CFR 52.21; and
   (3) Any other information that the Permittee wishes to include in the report (e.g., an explanation as to why the emissions differ from the preconstruction projection).

d. A "reasonable possibility" under paragraph (r)(6) of 40 CFR 52.21 occurs when the Permittee calculates the project to result in either: (40 CFR 52.21(r)(6)(vi))
   (1) A projected actual emissions increase of at least 50 percent of the amount that is a "significant emissions increase," as defined under paragraph (b)(40) of 40 CFR 52.21 (without reference to the amount that is a significant net emissions increase), for the regulated NSR pollutant. (40 CFR 52.21(r)(6)(vi)(a))

e. The Permittee shall make the information required to be documented and maintained pursuant to paragraph (r)(6) of 40 CFR 52.21 available for review upon a request for inspection by the Administrator or the general public pursuant to the requirements contained in 40 CFR 70.4(b)(3)(viii) of Chapter 52. (40 CFR 52.21(r)(7))

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC

A. NO_x Control Technology, Emission Limits and Monitoring Requirements

1. NO_x Control Technology and Emission Limits
   a. The Permittee shall install and continuously operate selective non-catalytic reduction (SNCR) control technology for Kiln #1 and Kiln #2 to reduce NO_x emissions in accordance with the timeframes and requirements set forth in Section III of Appendix A of the Consent Decree. (Consent Decree Section V.A.11)
   b. The Permittee shall comply with all terms and conditions, including drafting submittals and complying with protocols set forth in Appendix A, to establish 30-day rolling average emission limits for NO_x applicable to each kiln. (Consent Decree Section V.A.12)
   c. Within 30 Days after approval, conditional approval, or partial approval by U.S. EPA pursuant to Section XI (Review and Approval of Submittals) of any final 30-Day Rolling Average Emission Limit for NO_x established pursuant to Appendix A, the Permittee shall achieve and maintain continuous compliance with such 30-day rolling average emission limit for NO_x. If the 30-day rolling average emission limit for NO_x is challenged pursuant to the Dispute Resolution provisions of Section XV (Dispute Resolution), the final NO_x limit shall be the 30-day rolling average agreed to by the parties at the conclusion of Informal Dispute Resolution. If Informal Dispute Resolution does not resolve the dispute, the Permittee shall comply with its proposed final NO_x emissions limit until a final NO_x emissions limit is determined by the court. (Consent Decree Section V.A.13)
   d. If the final 30-day rolling average emission limit for NO_x as determined in Appendix A.IV.7.d is less than a 40% reduction in baseline NO_x emissions of the applicable kiln, the United States may demand the Permittee install a Low NO_x Burner on a kiln. The United States will make this demand within 180 days of receipt of the Demonstration Report. (Consent Decree Section V.A.14)
   e. If the United States demands that the Permittee install a Low NO_x Burner on a kiln pursuant to Paragraph 14, the Permittee shall install a Low NO_x Burner within 24 months of such demand and comply with Appendix A, Section V of this Consent Decree. Following the installation of a Low NO_x Burner on a kiln, the Permittee shall commence complying with the terms of Appendix A, Section V to establish a new 30-day rolling average emissions limit applicable to such kiln while operating Low NO_x Burner and SNCR. (Consent Decree Section V.A.15)
   f. Upon submittal to EPA as part of a SNCR Demonstration Report of a proposed 30-day rolling average emission limit for NOx for a particular kiln pursuant to Appendix A, the Permittee shall meet the proposed limit for that kiln until such time as final 30-Day Rolling Average Limit is established pursuant to Paragraph 13. (Consent Decree Section V.A.16)

2. NO_x and Ammonia Continuous Monitoring Systems
   a. By no later than December 31, 2017, the Permittee shall install and make operational a NO_x CEMS and an Ammonia CEMS at the stack of Kiln #2 in accordance with the requirements of Appendix A. (Consent Decree Section V.B.17)
      (1) On or before the date that a NO_x CEMS and an Ammonia CEMS is required pursuant to Paragraph 17, the Permittee shall begin to record, on a continuous basis, the daily clinker production rates by continuously meeting the requirements of 40 CFR 63.1350(d) to determine hourly clinker production rates. (Consent Decree Section V.B.17.a)
   b. Except during CEMS breakdowns, repairs, calibration checks, and zero span adjustments, the CEMS required pursuant to Paragraphs 17 and 19 of the Consent Decree shall be operated at all times during kiln operation. Such CEMS shall be used to demonstrate compliance with the 30-day rolling average emission limit for NO_x established in Section V.A of the Consent Decree (NOx Control Technology and Emission Limits) and Appendix A of this Consent Decree. (Consent Decree Section V.B.18)
   c. By February 1, 2018, the Permittee shall complete installation of a single stack for Kiln #1, install and make operational a NO_x CEMS and an Ammonia CEMS at the stack and start collecting the same production data as Paragraph 17.a. of this Consent Decree. (Consent Decree Section V.B.19)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC (continued)

A. NO_x Control Technology, Emission Limits and Monitoring Requirements (continued)

2. NO_x and Ammonia Continuous Monitoring Systems (continued)

d. Each NO_x CEMS required by this Consent Decree along with associated flow monitors and weight meters shall monitor and record the applicable NO_x emission rate from each kiln stack in units of lbs. of NO_x per ton of clinker produced at the kiln and shall be installed, certified, calibrated, maintained, and operated in accordance with the requirements of 40 CFR Part 60, Appendices B and F. The Ammonia CEMS shall be installed and operated in a manner that meets the requirements of 40 CFR Part 60, Appendices B and F, and CTM 027. (Consent Decree Section V.B.20)

e. For purposes of this Consent Decree, all emissions of NOx from the kilns shall be measured by the NOx CEMS. During any time when CEMS are inoperable and otherwise not measuring emission of NO_x from either Kiln, the Permittee shall apply the missing data substitution procedures in 40 CFR. Part 75, Subpart D. (Consent Decree Section V.B.21)

B. SO_2 Emission Limits and Monitoring Requirements

1. SO_2 Emission Limits

a. By the dates set forth below in Paragraphs 23 and 24 of this Consent Decree, the Permittee shall achieve and maintain continuous compliance with the 30-day rolling average emission limit for SO_2 set forth in Table 1: (Consent Decree Section VI.A.22)

Table 1: 30-Day Rolling Average Emission Limit for SO_2

Kiln	30-Day Rolling Average Limit for SO_2 (lbs SO_2/tons of clinker)
Kiln #1	1.1
Kiln #2	1.1

2. SO_2 Continuous Emission Monitoring Systems

a. By no later than December 31, 2017, the Permittee shall install and make operational an SO_2 CEMS at the stack of Kiln #2. (Consent Decree Section VI.B.23)

b. No later than February 1, 2018, the Permittee shall install and make operational an SO_2 CEMS at the stack of Kiln #1. (Consent Decree Section VI.B.24)

c. Except during CEMS breakdowns, repairs, calibration checks, and zero span adjustments, the SO_2 CEMS required pursuant to Paragraphs 23 and 24 of this Consent Decree shall be operated at all times during kiln operation. Each such SO_2 CEMS shall be used at each kiln to demonstrate compliance with the 30-day rolling average emission limit for SO_2 established in Section VI.A (SO_2 Emission Limits) of this Consent Decree. (Consent Decree Section VI.B.25)

d. Each SO_2 CEMS required for this Consent Decree, along with associated flow monitor and weight meters, shall monitor and record the applicable SO_2 emission rate from each kiln stack in units of lb of SO_2 per ton of clinker produced at each kiln and shall be installed, certified, calibrated, maintained, and operated in accordance with the applicable requirements of 40 CFR. Part 60. (Consent Decree Section VI.B.26)

e. For purposes of this Consent Decree, all emissions of SO_2 from the kilns shall be measured by SO_2 CEMS. During any time when the CEMS are inoperable and otherwise not measuring emissions of SO_2 from any kiln, the Permittee shall apply the missing data substitution procedures in 40 CFR. Part 75 Subpart D. (Consent Decree Section VI.B.27)

C. Good Pollution Control Practices

At all times, the Permittee shall maintain and operate the kilns, including all associated air pollution control equipment, in a manner consistent with good air pollution control practice. (Consent Decree Section VII.28)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC (continued)

D. Temporary Cessation of Kiln Operation

1. If the Permittee has temporarily ceased kiln operation of any kiln on the date by which defendant is required to install and/or continuously operate any control technology at that kiln under Section V (NOx Control Technology, Emission Limits, and Monitoring Requirements), or Section VI (SO_2 Emission Limits and Monitoring Requirements) of this Consent Decree, the Permittee shall provide written notice to U.S. EPA within ten (10) Days after such temporary cessation began, specifying the date on which such period of temporary cessation began. The Permittee shall provide such written notice pursuant to Section XIX (Notices) of this Consent Decree. (Consent Decree Section VIII.35)

2. If the Permittee has provided the written notice as required in Paragraph 35 of this Consent Decree, the Permittee shall not be required to install and continuously operate the control technology at that kiln by the dates required in Section V (NOx Control Technology, Emission Limits, and Monitoring Requirements) and Section VI (SO_2 Emission Limits and Monitoring Requirements) of this Consent Decree with respect to that kiln. However, the Permittee shall not recommence kiln operation after the dates required in Section V (NOx Control Technology, Emission Limits, and Monitoring Requirements) of this Consent Decree with respect to that kiln unless the Permittee has: 1) installed and commenced continuous operation of the control technologies required by this Consent Decree for that kiln; 2) commenced compliance with all requirements for that kiln contained in Section V (NOx Control Technology, Emission Limits, and Monitoring Requirements) and Section VI (SO_2 Emission Limits and Monitoring Requirements); and 3) provided written notice to U.S. EPA within 30 days after recommencing kiln operation. If the Permittee recommences kiln operation without installing and commencing continuous operation of the control technology required under this Consent Decree and does not demonstrate compliance with all requirements for that kiln contained in Section V (NOx Control Technology, Emission Limits, and Monitoring Requirements) and Section VI (SO_2 Emission Limits and Monitoring Requirements), the Permittee shall be liable for stipulated penalties pursuant to Section XIII (Stipulated Penalties) of this Consent Decree. (Consent Decree Section VIII.36)

E. Prohibition on Netting Credits or Offsets from Required Controls

1. Except as specifically stated to the contrary in this Consent Decree, NOx and SO2 emission reductions resulting from compliance with the requirements of this Consent Decree shall not be considered as a creditable contemporaneous emission decrease for the purpose of obtaining a netting credit under the Clean Air Act's Nonattainment NSR and PSD programs. (Consent Decree Section IX.37)

2. The limitations on the generation and use of netting credits or offsets set forth in Paragraph 37 of this Consent Decree do not apply to emission reductions achieved by the Permittee that are surplus to those required under this Consent Decree ("surplus emission reductions"). For purposes of this Paragraph, surplus emission reductions are the reductions over and above those required under this Consent Decree, including any final 30-day rolling average emission limit for NOx established pursuant to Appendix A, that result from the Permittee's compliance with federally enforceable emissions limits that are more stringent than limits imposed under this Consent Decree or from the Permittee's compliance with emissions limits otherwise required under applicable provisions of the Clean Air Act or with an applicable SIP that contains more stringent limits than those imposed under this Consent Decree. (Consent Decree Section IX.38)

3. Nothing in this Consent Decree is intended to preclude the emission reductions generated under this Consent Decree from being considered by U.S. EPA or a State as creditable contemporaneous emission decreases for the purpose of attainment demonstrations submitted pursuant to 110 of the Act, 42 USC 7410, or in determining impacts on NAAQS, PSD increments, or air quality-related values, or for demonstrating reasonable progress under the regional haze program of the Clean Air Act pursuant to 42 USC 7491-92. (Consent Decree Section IX.39)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC (continued)

F. Permits

1. Where any compliance obligation under this Consent Decree requires the Permittee to obtain a federal, State, or local permit or approval, the Permittee shall submit a timely and complete application for such permit or approval and take all other actions necessary to obtain all such permits or approvals, allowing for all legally required processing and review including requests for additional information by the permitting or approval authority. The inability of the Permittee to obtain a permit in adequate time to allow compliance with the deadlines stated in this Consent Decree may be considered a force majeure event if the Permittee demonstrates that it exercised best efforts to timely fulfill its permitting obligations and has otherwise satisfied the requirements of Section XIV (Force Majeure) of this Consent Decree. If, after demonstrating compliance with the requirements of this Paragraph, the Permittee determines that it is unable to timely obtain a permit or approval necessary to install and continuously operate control technology under this Consent Decree, then the Permittee shall within 10 days notify EPA in writing pursuant to Section XIV (Force Majeure) of this Consent Decree and shall request an extension of time necessary to obtain such permit or approval and install and shake down the required improvements. If EPA determines that the Permittee's inability to timely obtain any such required permit or approval is a force majeure event, then the provisions of Paragraph 67 of this Consent Decree shall apply to extend the deadline for installation and commencement of Continuous Operation of the control technology and for achieving and maintaining compliance with the applicable 30-day rolling average emission limits. (Consent Decree Section X.40)

2. In addition to having first obtained any required preconstruction permits or other approvals pursuant to Paragraph 40 of this Consent Decree, within 3 months after the establishment of the final 30-day rolling average emission limit for NOx established pursuant to Section V (NO_x Control Technology, Emissions Limits and Monitoring Requirements), including Final Dispute Resolution if applicable, Defendant shall apply to NDEP to include the applicable requirements of Sections V.A (NOx Control Technology and Emission Limits) and VI.A (SO_2 Emission Limits), and any monitoring requirements, including those in Sections V.B (NOx Continuous Emission Monitoring System) and VI.B (SO_2 Continuous Emission Monitoring Systems) of this Consent Decree in a federally enforceable operating permit or other permit or approval issued under the SIP of Nevada and under authority independent of the NDEP's authority to issue Title V permits. For the purpose of this Paragraph, the ammonia monitoring requirements identified in Section V of this Consent Decree do not constitute NOx monitoring requirements. Following submission of the application for the permit or approval, the Permittee shall cooperate with NDEP by promptly submitting all information that such permitting authority seeks following its receipt of the application for the permit. The methods specified in this Consent Decree for demonstrating compliance with the limits in this Consent Decree are not intended to change the means by which the Permittee demonstrates compliance with standards not addressed by this Consent Decree. The requirements of this Paragraph are satisfied if a preconstruction permit was obtained, that permit serves as a state operating permit under the Nevada SIP and that permit contains the elements identified in this Paragraph. (Consent Decree Section X.41)

3. Upon issuance of any permit or approval required under Paragraphs 40 and 41 of this Consent Decree, the Permittee shall file any applications necessary to incorporate the requirements of that permit into the Title V operating permit of the Facility. The Permittee shall not challenge the inclusion in any such permit of the emission limits expressly prescribed in this Consent Decree (including, where applicable, 30-day rolling average emission limits for NOx determined in accordance with Appendix A) or of any other requirement of this Consent Decree. (Consent Decree Section X.42)

4. For each kiln, the Permittee shall provide U.S. EPA with a copy of each application for a permit to address or comply with any provision of this Consent Decree, as well as a copy of any permit proposed as a result of such application, to allow for timely U.S. EPA participation in any public comment opportunity. (Consent Decree Section X.43)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC (continued)

F. Permits (continued)

5. In lieu of incorporating the terms of the Consent Decree directly into a permit issued under a SIP pursuant to Paragraph 41 of this Consent Decree, the Permittee may request that NDEP submit the portions of the Consent Decree applicable to the Facility in Nevada to the U.S. EPA for approval under the State's SIP in accordance with 42 USC. 7410(k). Upon approval by the U.S. EPA, those portions of this Consent Decree will be incorporated into the Nevada SIP, and subsequently incorporated into Title V permits for the Facility consistent with applicable requirements in 40 CFR. Part 70 or Nevada-specific rules adopted and approved consistent with Part 70. The Permittee agrees not to contest the submittal of any such proposed SIP revision that incorporates the terms of this Consent Decree to U.S. EPA, or U.S. EPA's approval of such submittal, or the incorporation of the applicable portions of this Consent Decree through these SIP requirements into the Title V permits. (Consent Decree Section X.44)

G. Test-and-Set Protocol for NOx Emission Limit

1. Scope and Applicability

a. The Permittee shall comply with the requirements contained in this Appendix A of this Consent Decree regarding installation and optimization of selective non-catalytic reduction technology ("SNCR") and, if necessary, Low NOx Burners ("LNB") in establishing 30-day rolling average emission limits for NOx for Kiln 1 and Kiln 2 at the facility. (Consent Decree Appendix A.I.1)

b. If kiln operation is disrupted by unplanned outages, or excessive startups and shutdowns during the CEMS installation and operation period, baseline collection period, SNCR optimization period, or SNCR demonstration period, or if the kiln temporarily ceases operation for business or technical reasons, the Permittee may request that EPA extend the CEMS installation and operation period, baseline collection period, SNCR optimization period or SNCR demonstration period pursuant to Section XI (Review and Approval of Submittals) of this Consent Decree. EPA shall grant or deny the request and shall state the amount of time (if any) that the CEMS installation and operation period, baseline collection period, SNCR optimization period, or SNCR demonstration period, may be extended, which decision is subject to the Section XV (Dispute Resolution) provisions of the Consent Decree. The Permittee may not suspend the CEMS installation and operation period, baseline collection period, SNCR optimization period, or SNCR demonstration period until and unless EPA has granted the request. Data gathered during periods of disruption may not be used to determine any emission calculations or limitations unless both the Permittee and EPA agree to use the subject data. All collected data shall be included in each applicable report. (Consent Decree Appendix A.I.2)

2. CEMS Installation and Operation

a. No later than December 31, 2017, the Permittee shall complete installation on Kiln 2, a NOx continuous emissions monitoring system ("CEMS") certified and compliant with 40 CFR Part 60. By February 1, 2018, the Permittee shall complete installation of a NOx CEMS on Kiln 1 that is certified and compliant with 40 CFR. Part 60. (Consent Decree Appendix A.II.1)

b. The Permittee shall install an Ammonia CEMS on Kilns 1 and 2 in conjunction with the installation of the NOx CEMS pursuant to Paragraph II.1 of Appendix A in this Consent Decree. The Ammonia CEMS shall be operated whenever the NOx CEMS is used during baseline testing and the test-and-set processes. (Consent Decree Appendix A.II.2)

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Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section X. United States EPA Consent Decree 3:17-cv-00302-MMD-WGC (continued)

G. Test-and-Set Protocol for NOx Emission Limit (continued)

3. Baseline Collection Period

a. The Permittee shall use CEMS to collect emissions data for NOx and Ammonia from the kilns. The Permittee shall monitor and collect operational data as discussed in Paragraph III.2.a of Appendix A of this Consent Decree. (Consent Decree Appendix A.III.1)

b. The baseline collection period shall begin within 30 days after installation of Ammonia CEMS and certified NOx CEMS on each kiln. The duration of the baseline collection period shall last for 120 operating days and be undertaken during periods of kiln operation. (Consent Decree Appendix A.III.2)

(1) The data collected during the baseline collection period and through to the end of the SNCR demonstration period or the LNB demonstration period shall include the following data derived from available direct monitoring or estimated from monitored or measured data: (Consent Decree Appendix A.III.2.a.i. through xiv)

(a) Kiln flue gas temperature at the inlet to the fabric filter or at the Kiln stack (daily average);
(b) Kiln production in tons of clinker (daily total) and the method used to calculate kiln production;
(c) Raw material feed in Tons (daily total);
(d) Type and percentage of each raw material used (daily);
(e) NOx, SO_2, and Ammonia concentrations (dry basis) and mass rates of NOx and SO_2 for Kilns 1 and 2;
(f) Flue gas volumetric flow rate (daily average in dry acfm);
(g) Feed burnability (C3S) (at least daily);
(h) Temperatures in or near the burning zone (by infrared or optical pyrometer);
(i) Kiln system fuel feed rate and type of fuel by weight or heat input rate (calculated to a daily average);
(j) Kiln amps (daily average);
(k) Kiln back end O_2 concentration (daily average);
(l) Kiln system draft fan settings;
(m) Documentation of any Startup, Shutdown, or Malfunction events; and
(n) An explanation of any gaps in the data or missing data.

(2) The Permittee shall submit a baseline collection report for each kiln within 30 days after the deadline for the end of the baseline collection period on each kiln. The baseline collection report shall include the data collected during the baseline collection period and a calculation of the baseline NOx emissions as defined in Paragraph 8.e of Section III (Definitions) of this Consent Decree. (Consent Decree Appendix A.III.2.b)

(3) Hours or days when there is no kiln operation shall be excluded from the calculation in Paragraph III.2.b of Appendix A of this Consent Decree. However, the Permittee shall provide an explanation in the baseline collection report for any data excluded and provide the excluded data in the baseline collection report. (Consent Decree Appendix A.III.2.c)

(4) When submitted, the Permittee shall provide the data to EPA in the baseline collection report in an electronic format, consistent with and able to be manipulated by Microsoft Excel, and shall explain the reasons for any data not collected for each of the parameters. (Consent Decree Appendix A.III.2.d)

******End of United States EPA Consent Decree Conditions******

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Section XI. Emission Caps

A. Not Applicable.

******End of Emission Caps******

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Section XII. Surface Area Disturbance Conditions

The surface area disturbance for **Nevada Cement** is **45** acres.

A. Fugitive Dust (NAC 445B.22037)

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 NAC 445B.22037(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 NAC 445B.22037, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
   a. The facility shall use the following Best Manage Practices (BMPs) for controlling dust on the project's disturbed areas:
      (1) Use of a water truck on unpaved roads and during raw material delivery hours, unless the outside temperature or wind chill factor is 32 degrees F or below;
      (2) Posting and limiting vehicle speeds to 10-15 miles per hour (mph);
      (3) Ceasing mobile equipment operations, with the exception of raw material deliveries, during high wind events with sustained winds of 30 mph or more. The Permittee shall install and operate a wind speed monitor on-site within 60 days of permit issuance;
      (4) Application of water sprays on material storage piles if visible emissions are observed, unless the outside temperature or wind chill factor is 32 degrees F or below;
      (5) Use of either water sprays or chemical agent sprays for raw material stockpiles, except on Cement Kiln Dust. If visible emissions are observed, the dust suppression material shall be reapplied.
      (6) Guzzler trucks shall unload material inside the clinker building;
      (7) Use of covers on conveyor belts;
      (8) Inform all subcontractors of their responsibilities for the control of fugitive dust while they are on the project site; and
      (9) Training of equipment operators to recognize fugitive dust generation and having the authority to shut down operations until water truck arrives and sprays water on the disturbed areas.
   b. The Permittee, upon the issuance of this operating permit, shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in this section. All records in the log must be identified with the calendar date of the record. All specified records shall be entered into the log at the end of the shift, end of the day of operation, or the end of the final day of operation for the month, as appropriate.
      (1) Monitor and record the hours of operation of the water trucks and the raw material delivery hours, each.
      (2) Monitor and record the outside temperature for each calendar day.
      (3) Monitor and record the wind speed for each clock hour.
      (4) Conduct and record an observation of visible emissions (excluding water vapor) on the **material storage piles** on a **monthly** basis and on **property lines** on a **daily** basis, while operating. The observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented to their back. If visible emissions are observed and exceed the applicable opacity standard, the Permittee shall conduct and record a Method 9 visible emission test. Each Method 9 visible emission test shall be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A. The Permittee shall maintain in a contemporaneous log the following recordkeeping: the calendar date of any required monitoring, results of the monthly visible emissions, and any corrective actions taken.
3. Except as provided in NAC 445B.22037(4), the Permittee may not disturb or cover 5 acres or more of land or its topsoil until 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 NAC 445B.22037(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******

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Section XIII. Schedules of Compliance

A. Not Applicable

******End of Schedule of Compliance ******

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Facility ID No. A0030 *Permit No.* AP3241-0387.05
CLASS I AIR QUALITY OPERATING PERMIT

Issued to: NEVADA CEMENT COMPANY (AS PERMITTEE)

Section XIV. Amendments

June 2025 (Air Case #11706)
Pursuant to Section X.G. of this permit and the attached Consent Decree in Appendix 3, the following Consent Decree limits were added:

- Kiln #1 (Systems 9, 9A, 9B): The discharge of NO_X to the atmosphere shall not exceed 8.96 pounds per ton of clinker produced, based on a 30-day rolling average.
- Kiln #2 (Systems 15, 15A, 15B): The discharge of NO_X to the atmosphere shall not exceed 9.30 pounds per ton of clinker produced, based on a 30-day rolling average.
- Added Low NO_X Burners as a control for Kilns 1 and 2 (S2.030 and S2.062).

February 24, 2026 (Air Case #12592)

- System 20 added emission units S2.196 and S2.197. No change to throughput or emission limits.
- System 21 added emission units S2.198 and S2.199. No change to throughput or emission limits.
- Systems 30 through 32 limited operating hours to 2 AM – 10 PM for non-emergency use.
- Systems 38 through 46 added as new systems.

Month Day, Year (Air Case #12736)

- Removed COMS requirement for Systems 09, 09A, 15 and 15A
- Added weekly Method 9 requirements for Systems 09, 09A, 15 and 15A
- System 47 added as a new system.

This permit:

1. **Shall be posted conspicuously at or near the stationary source. (NAC 445B.318(5))**
2. **Shall expire and be subject to renewal five (5) years from:** January 27, 2024 . **(NAC 445B.315(3)(a))**
3. **A completed application for renewal of an operating permit must be submitted to the Director on the form provided by the Director with the appropriate fee at least 240 calendar days before the expiration date of this operation permit (NAC 445B.3443(2)). The Director shall determine whether the application is complete within 60 days of receipt of the application (NAC 445B.3395).**
4. **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)**

THIS PERMIT EXPIRES ON: January 27, 2029

Signature: _____

Issued by: Jaimie Mara
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687- 9343 Date: DRAFT

je 06/2025 dr xx/XXXX dr xx/XXXX

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Class I Non-Permit Equipment List

Appended to Permit #AP3241–0387.05

Emission Unit #	Emission Unit Description
IA1.001	North Tank #1 (43,758 gallon)
IA1.002	North Tank #2 (43,758 gallon)
IA1.003	Raw Mill Tank #3 (40,303 gallon)
IA1.004	Quarry Diesel Tank (12,000 gallon)
IA1.010	Cooling Tower

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Appendix 1

Nevada Cement Company's Routine Dust Collector Maintenance Plan

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Appendix 2

Nevada Cement Company's 40 CFR Part 63 Subpart LLL Operation and Maintenance Plan

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Appendix 3

EPA Consent Decree
(Civil Action Number 3:17-cv-00302-MMD-WGC)

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