



BUREAU OF AIR POLLUTION CONTROL

901 SOUTH STEWART STREET SUITE 4001
CARSON CITY, NEVADA 89701-5249
p: 775-687-9350 • www.ndep.nv.gov/bapc

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. (HEREINAFTER REFERRED TO AS PERMITTEE)

Mailing Address: Goldrush Complex, 293 Spruce Road, Elko, Nevada 89801

Physical Address: 293 Spruce Road, Elko, Nevada 89801

General Facility Location: Exploration Activities in Eureka and Lander Counties
Cortez Mountains and Horse Creek Valley

Driving Directions: Exploration Activities 35 Miles South of I-80 between State Route 306 and State Route 278

SECTIONS 1-2, T25N, R48E, MDB&M (EUREKA COUNTY)
SECTIONS 1 & 12, T25N, R48.5E, MDB&M (EUREKA COUNTY)
SECTIONS 1-10, 15-18, T25N, R49E, MDB&M (EUREKA COUNTY)
SECTION 6, T25N, R50E, MDB&M (EUREKA COUNTY)
SECTIONS 1-17, 20-29, 32-36, T26N, R48E, MDB&M (EUREKA/LANDER COUNTIES)
SECTIONS 1-36, T26N, R49E, MDB&M (EUREKA COUNTY)
SECTIONS 4-9, 16-21, 29-32, T26N, R50E, MDB&M (EUREKA COUNTY)
SECTIONS 14, 15, 20, 22, 23, 26-29, 32-36, T27N, R48E, MDB&M (EUREKA COUNTY)
HA 53 (PINE VALLEY), HA 54 (CRESCENT VALLEY), HA 138 (GRASS VALLEY)
OFFICE BUILDING: NORTH 4,439.66 KM, EAST 544.46 KM, UTM ZONE 11, NAD 83

Emission Unit List:

DIESEL GENERATORS

A. System 1 – Diesel Generator #1 (Revised, Date 2016)

S 2.001 Diesel Generator (324 Hp; Manufactured by Cummins, Model # QSB7-G5 NR3, manufactured date 2013)

B. System 2 – Diesel Generator #2 (Revised, Date 2016)

S 2.002 Diesel Generator (324 Hp; Manufactured by Cummins, Model # QSB7-G5 NR3, manufactured date 2013)

C. System 3 – 201 HP Emergency Diesel Generator #1 (Removed, Date 2016)

S 2.003 201 HP Emergency Diesel Generator Cummins 150DSGAC, mdl# QSB7-G3 NR3, mfd: 2013

D. System 4 – 103 HP Emergency Diesel Generator #2 (Removed, Date 2016)

S 2.004 103 HP Emergency Diesel Generator Cummins 60DSFAD, mdl# QSB5-G3 NR3, mfd: 2013

GASOLINE STORAGE TANK

E. System 5 – Gasoline Storage Tank

S 2.005 5,000 Gallon Gasoline Storage Tank

DECLINE GENERATORS

F. System 6 – Diesel Decline Generator #1 (Added, Date 2016)

S 2.006 Diesel Generator, Decline #1; (779 Hp; Manufactured by CAT, Model # C18, manufactured date 2014)

G. System 7 – Diesel Decline Generator #2 and #3 (Added, Date 2016)

S 2.007 Diesel Generator, Decline #2; (3,627 Hp; Manufactured by CAT, Model # 3516C, manufactured date 2014)

S 2.008 Diesel Generator, Decline #3; (3,627 Hp; Manufactured by CAT, Model # 3516C, manufactured date 2014)

SHOTCRETE PLANT

H. System 8 – Shotcrete Plant (Added, Date 2016)

- PF 1.001 Truck Discharge to Loading Screw
PF 1.002 Loading Screw transfer to Bucket Elevator
S 2.009 Shotcrete Silo - Loading
PF 1.003 Shotcrete Silo – Unloading to Discharge Screw
PF 1.004 Discharge Screw transfer to Mixing Screw

End Emission Unit List



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section I. General Conditions

- A. Severability (Nevada Administrative Code (NAC) 445B.315.3(c))
Each of the conditions and requirements of this Operating Permit is severable and, if any are held invalid, the remaining conditions and requirements continue in effect.
- B. Prohibited Acts (Nevada Revised Statute (NRS) 445B.470)
Permittee shall not knowingly:
1. Violate any applicable provision, the terms or conditions of any permit or any provision for the filing of information;
 2. Fail to pay any fee;
 3. Falsify any material statement, representation or certification in any notice or report; or
 4. Render inaccurate any monitoring device or method, required pursuant to the provisions of NRS 445B.100 to 445B.450, inclusive, or 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.
- C. Prohibited Conduct: Concealment of Emissions (NAC 445B.225)
Permittee shall not install, construct, or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.
- D. Compliance/Noncompliance (NAC 445B.315.3(d))
Permittee shall comply with all conditions of this Operating Permit. Any noncompliance constitutes a violation and is grounds for:
1. An action for noncompliance;
 2. Revising, revoking, reopening and revising, or terminating the Operating Permit; or
 3. Denial of an application for a renewal of the Operating Permit.
- E. NAC 445B.315.3(e)
The need to halt or reduce activity to maintain compliance with the conditions of this Operating Permit is not a defense to noncompliance with any conditions of this Operating Permit.
- F. NAC 445B.315.3(f)
The director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.
- G. NAC 445B.315.3(g)
This Operating Permit does not convey any property rights or any exclusive privilege.
- H. NAC 445B.315.3(h)
Permittee shall provide the Bureau of Air Pollution Control, within a reasonable time, with any information that the Bureau of Air Pollution Control requests in writing to determine whether cause exists for revising, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.
- I. Fees (NAC 445B.315.3(i))
Permittee shall pay fees to the Bureau of Air Pollution Control in accordance with the provisions set forth in NAC 445B.327 and 445B.331.
- J. Right to Entry (NAC 445B.315.3(j))
Permittee shall allow the Bureau of Air Pollution Control personnel, upon the presentation of credentials, to:
1. Enter upon the premises of Permittee where:
 - a. The stationary source is located;
 - b. Activity related to emissions is conducted; or
 - c. Records are kept pursuant to the conditions of this Operating Permit;
 2. Have access to and copy, during normal business hours, any records that are kept pursuant to the conditions of this 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 this Operating Permit; and
 4. Sample or monitor, at reasonable times, substances or parameters to determine compliance with the conditions of this Operating Permit or applicable requirements.
- K. Certification (NAC 445B.315.3(k))
A responsible official of Permittee shall certify that, based on information and belief formed after reasonable inquiry, the statements made in any document required to be submitted by any condition of this Operating Permit are true, accurate and complete.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section I. General Conditions (continued)

- L. Testing and Sampling (NAC 445B.252)
1. To determine compliance with NAC 445B.001 to 445B.3689, inclusive, before the approval or the continuance of an operating permit or similar class of permits, the Director may either conduct or order the owner of any stationary source to conduct or have conducted such testing and sampling as the Director determines necessary. Testing and 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 shall 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;
 - 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; or
 - d. Waives the requirement for tests of performance because the owner or operator of a stationary source has demonstrated by other means to the Director's satisfaction that the affected facility is in compliance with the standard.
 3. Tests of performance must be conducted under such conditions as the Director specifies to the operator of the plant based on representative performance of the affected facility. The owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard.
 4. The owner or operator of an affected facility shall give notice to the Director 30 days before the test of performance to allow the Director to have an observer present. A written testing procedure for the test of performance must be submitted to the Director at least 30 days before the test of performance to allow the Director to review the proposed testing procedures.
 5. Each test of performance must consist of at least three separate runs using the applicable method for that test. Each run must be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the runs apply. In the event of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions or other circumstances with less than three valid samples being obtained, compliance may be determined using the arithmetic mean of the results of the other two runs upon the Director's approval.
 6. All testing and sampling shall be performed in accordance with recognized methods and as specified by the Director.
 7. The cost of all testing and sampling and the cost of all sampling holes, scaffolding, electric power and other pertinent allied facilities as may be required and specified in writing by the Director must be provided and paid for by the owner of the stationary source.
 8. All information and analytical results of testing and sampling must be certified as to their truth and accuracy and as to their compliance with all provisions of these regulations, and copies of these results must be provided to the Director no later than 60 days after the testing or sampling, or both.
 9. Notwithstanding the provisions of subsection 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.
- M. Maximum Opacity of Emissions (NAC 445B.22017)
1. Except as otherwise provided in NAC 445B.22017 to 445B.22023, Permittee may not cause or permit the discharge into the atmosphere from any emission unit opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
 - a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 C.F.R. Part 60.
 - b. If a source uses a continuous monitoring system for the measurement of opacity, the data must be reduced to 6-minute averages as set forth in 40 CFR § 60.13(h).
 2. The provisions of NAC 445B.22017 to 445B.22023 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.
- N. Exceptions for Stationary Sources (NAC 445B.2202)
- NAC 445B.22017 to 445B.22023, inclusive, do not apply to:
1. Smoke from the open burning described in NAC 445B.22067;
 2. Smoke discharged in the course of training air pollution control inspectors to observe visible emissions, if the facility has written approval of the commission;
 3. Emissions from an incinerator as set forth in NAC 445B.2207;
 4. Emission from a permit batch process when charging which does not exceed 60 minutes and for no more than one charging in any 24 consecutive hours;
 5. Emissions of stationary diesel-powered engines during warmup for not longer than 15 minutes to achieve operating temperatures; or
 6. Emission from a steam generating unit fired by fossil fuel or wood for boiler lancing or soot blowing, not to exceed 180 minutes in any 24 consecutive hours.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

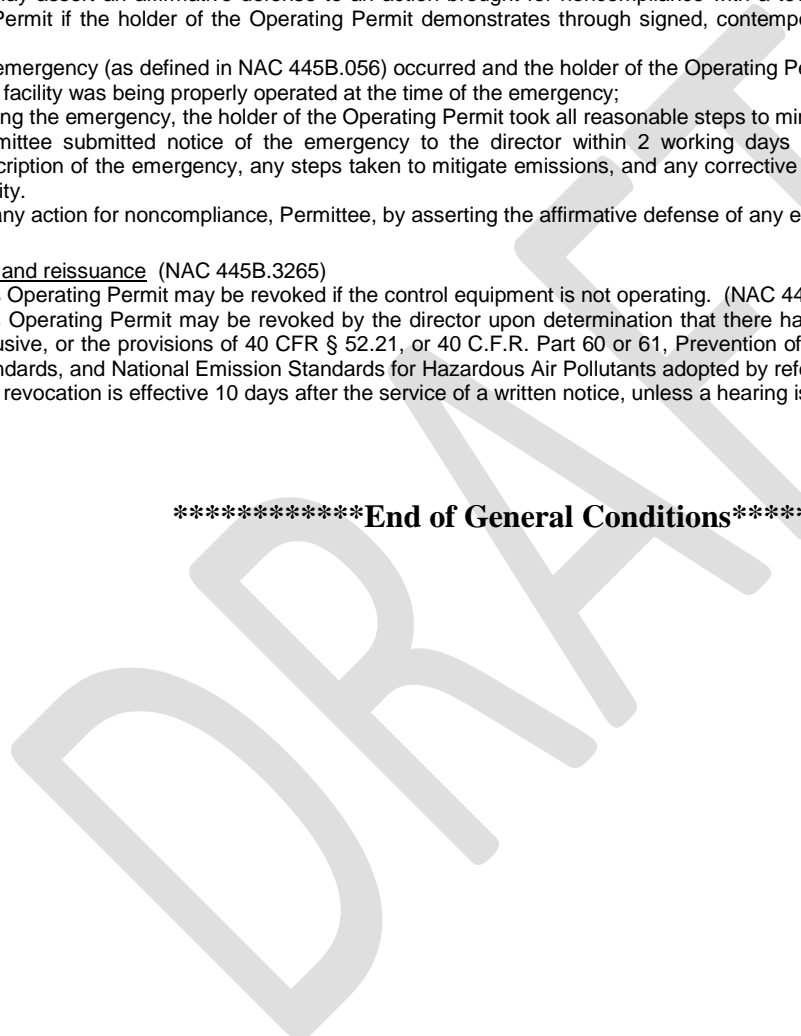
Section I. General Conditions (continued)

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

- P. Assertion of Emergency as Affirmative Defense to Action for Noncompliance (NAC 445B.326.1)
Permittee may assert an affirmative defense to an action brought for noncompliance with a technology-based emission limitation contained in the Operating Permit if the holder of the Operating Permit demonstrates through signed, contemporaneous operating logs or other relevant evidence that:
 - 1. An emergency (as defined in NAC 445B.056) occurred and the holder of the Operating Permit can identify the cause of the emergency;
 - 2. The facility was being properly operated at the time of the emergency;
 - 3. During the emergency, the holder of the Operating Permit took all reasonable steps to minimize excess emissions; and
 - 4. 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.
 - 5. In any action for noncompliance, Permittee, by asserting the affirmative defense of any emergency, has the burden of proof.

- Q. Revocation and reissuance (NAC 445B.3265)
 - 1. This Operating Permit may be revoked if the control equipment is not operating. (NAC 445B.3265.1)
 - 2. This Operating Permit may be revoked by the director upon determination that there has been a violation of NAC 445B.001 to 445B.3689, inclusive, or the provisions of 40 CFR § 52.21, or 40 C.F.R. 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. (NAC 445B.3265.2)
 - 3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested. (NAC 445B.3265.3)

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





BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section II. General Construction Conditions

- A. Notification (NAC 445B.250.4, NAC 445B.346.2)
The Bureau of Air Pollution Control shall be notified in writing of any physical or operational change to an existing facility which may increase the emission rate of any regulated air pollutant to which a standard applies, unless that change is specifically exempted under an applicable section or in NAC 445B.239 or 445B.242 and the exemption is not denied under those sections. The notice must be postmarked 60 days or as soon as practicable before the change is commenced and must include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The director may request additional relevant information subsequent to this notice.

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

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section IIA. Specific Construction Requirements

A. Initial Performance Tests (NAC 445B.252; NAC 445B.22017; NAC 445B.346.2)

1. After the date of issuance of this operating permit, Permittee shall conduct initial performance tests according to the schedule, and the test methods and procedures referenced in Table IIA-1 below:

Table IIA-1: Initial Performance Tests				
System	Emission Unit(s)	Pollutants To Be Tested	Initial Testing Deadline	Testing Methods/Procedures
Systems 01, 02, 06, 07 and 08	S2.001, S2.002, S2.006 through S2.009 and PF1.001 through PF1.004	Opacity	Within 60 days after achieving maximum production rate, but no later than 180 days after initial startup.	Reference Method 9 in Appendix A of 40 CFR Part 60. The minimum total time of observations shall be six minutes (24 consecutive observations recorded at 15-second intervals).

2. Tests of performance, as specified in **Table IIA-1** 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 owner or operator shall make available to the Director such records as may be necessary to determine the conditions of the test of performance. Operations during periods of startup, shutdown and malfunction must not constitute representative conditions of a test of performance unless otherwise specified in the applicable standard. (NAC 445B.252.3)
3. The Permittee shall give notice to the director 30 days before the test of performance to allow the director to have an observer present. A written testing procedure for the test of performance must be submitted to the director at least 30 days before the test of performance to allow the director to review the proposed testing procedures. (NAC 445B.252.4 and 40 CFR Part 60.7(a)(6))
4. Within 60 days after completing the opacity observations contained in **Table IIA-1** of this section, the Permittee shall furnish the director a written report of the results of the opacity observations required in **Table IIA-1** of this section. 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)
5. 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 the performance tests were sufficient to provide adequate compliance demonstration. Should the Director determine that the performance tests do not provide adequate compliance demonstration; the Director may require additional performance testing.
6. The Permittee shall comply with the requirements of Section I.L.3 through I.L.8 for all performance testing.
7. All performance tests must comply with the advance notification, protocol review, operational conditions, reporting, and other requirements of Section I.H Testing and Sampling (NAC 445B.252) of this operating permit. Material sampling must be conducted in accordance with protocols approved by the Director. All test results shall be based on the arithmetic average of three valid runs (NAC 445B.252(5)).
8. Testing shall be conducted on the exhaust stack (post controls), and shall consist of three valid runs.

*******End of Specific Construction Requirements*******



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section III. General Operating Conditions

A. Facilities Operation (NAC 445B.227)

Permittee may not:

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 this Operating Permit.

B. Excess Emissions (NAC 445B.232; NAC 445B.346.2)

1. Scheduled maintenance or testing or scheduled repairs which may result in excess emissions of regulated air pollutants prohibited by NAC 445B.001 to 445B.3689, 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. Each owner or operator 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.3689, inclusive. The scheduled maintenance or testing must not be conducted unless the scheduled maintenance or testing is approved pursuant to subsection 1.
3. Each owner or operator 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.3689, inclusive. The scheduled repairs must not be conducted unless the scheduled repairs are approved pursuant to subsection 1.
4. The director must be notified of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during startup or shutdown of such equipment. E-mail to: eenotify@ndep.nv.gov.
5. Each owner or operator 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. Each owner or operator 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.

C. Permit Revision (NAC 445B.287.1.b)

A revision of this operating permit is required pursuant to the requirements of NAC 445B.3465 before the stationary source may be modified.

D. Breakdown or Upsets (SIP Article 2.5.4, Federally Enforceable SIP Requirement)

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.

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



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section IV. General Monitoring and Recordkeeping

- A. Records Retention (NAC 445B.315.3(b))
Permittee shall retain records of all required monitoring data and supporting information for 5 years from the date of the sample collection, measurement, report or analysis. Supporting information includes, but is not limited to, all records regarding calibration and maintenance of the monitoring equipment and all original strip-chart recordings for continuous monitoring instrumentation.

- B. Reporting (NAC 445B.346.3)
Permittee shall promptly report to the director any deviations from the requirements of this Operating Permit. The report to the director shall include 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 and under condition III.B of this permit.

- C. Yearly Reports (NAC 445B.315.3(h), NAC 445B.346.2)
Permittee shall submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports shall be submitted on the form provided by the Bureau of Air Pollution Control for all emission units/systems specified on the form. The completed form must be submitted to the Bureau of Air Pollution Control no later than March 1 annually for the preceding calendar year.

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

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions

A. Emission Unit S2.001

North 4,439.660 km, East 544.501 km, UTM (Zone 11, NAD 83)

A. System 1 – Diesel Generator #1 (Revised, Date 2016)
S 2.001 Diesel Generator (324 Hp; Manufactured by Cummins, Model # QSB7-G5 NR3, manufactured date 2013)

- 1. Air Pollution Control Equipment (NAC 445B.346.1)
S2.001 has no add-on controls.

Descriptive Stack Parameters for S2.001
 Stack height: 7.9 feet
 Stack inside diameter: 0.3 feet
 Stack temperature: 807 °F

- 2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

- a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.001**, the following pollutants in excess of the following specified limits:
 - (1) The discharge of particulate matter (PM) to the atmosphere shall not exceed **0.07** pound per hour, nor more than **0.31** ton per year.
 - (2) The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed **0.07** pound per hour, nor more than **0.31** ton per year.
 - (3) The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed **0.07** pound per hour, nor more than **0.31** ton per year.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere shall not exceed **0.11** pound per hour, nor more than **0.50** ton per year.
 - (5) The discharge of nitrogen oxides (NOx) to the atmosphere shall not exceed **1.93** pounds per hour, nor more than **8.45** tons per year.
 - (6) The discharge of carbon monoxide (CO) to the atmosphere shall not exceed **0.59** pound per hour, nor more than **2.60** tons per year.
 - (7) The discharge of volatile organic compounds (VOCs) to the atmosphere shall not exceed **0.80** pound per hour, nor more than **3.50** tons per year.
 - (8) The opacity from **S2.001** shall not equal or exceed **20** percent in accordance with NAC 445B.22017.
- b. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4204(b))
 - (1) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable. Exhaust emission from non-road engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards as follows (89.112(a)):
 - (a) Hydrocarbons plus Nitrogen Oxides (NMHC+NOx) shall not exceed 4.0 grams/kW-hr (2.13 lb/hr).
 - (b) Particulate Matter (PM) shall not exceed 0.20 grams/kW-hr (0.11 lb/hr).
 - (c) Carbon Monoxide (CO) shall not exceed 3.5 grams/kW-hr (1.86 lb/hr).



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

A. Emission Unit S2.001 (continued)

3. Operating Parameters (NAC 445B.346.1)

- a. The maximum allowable #2 diesel fuel consumption rate for **S2.001** shall not exceed **8.87** gallons per any one-hour period.
- b. The sulfur content of the #2 diesel combusted in **S2.001** shall not exceed 0.0015% by weight (15 ppm).
- c. Hours
S2.001 may operate **24** hours per day and **8,760** hours per calendar year.
- d. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4207(b))
 - (1) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel:
 - (a) Sulfur content – 15 ppm (0.0015 wt%) maximum for nonroad diesel fuel.
 - (b) Cetane index or aromatic content – minimum cetane index of 40 or maximum aromatic content of 35 volume percent.
- e. Work Practice Standards
Standards of Performance for New Stationary Sources (NSPS) Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Permittee must:
 - (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (40 CFR Part 60.4211(a)(1)).
 - (2) Change only those emission-related settings that are permitted by the manufacturer; (40 CFR Part 60.4211(a)(2)).
 - (3) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply to you; (40 CFR Part 60.4211(a)(3)).
 - (4) Operate and maintain stationary CI ICE that achieves the emission standards as required in 40 CFR Part 60.4204(b) of this section over the entire life of the engine (40 CFR Part 60.4206).
- f. National Emissions Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)(40 CFR Part 63.6590 (c))
 - (1) An affected source that is a new or reconstructed stationary RICE located at an area source, must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)

The Permittee, upon the issuance date of this operating permit, shall:

- a. Operational Hours Monitoring
 - (1) Record the total daily hours of operation for each day the engine operates.
 - (2) Record the total monthly and total annual hours of operation for the calendar 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 current month and all previous months of the calendar year.
- b. Fuel Monitoring
 - (1) Keep a copy of a fuel supplier certification consisting of the name of the fuel supplier, and a statement from the fuel supplier that only diesel oil which complies with the sulfur limit as specified above shall be delivered to the site. This certification need only be supplied once per supplier per permit renewal period.
 - (2) Monitor and record the total daily fuel consumption for **S2.001** for each day of operation by multiplying the maximum hourly fuel consumption rate, as stated in **A.3.a.** of this section, and the total daily hours of operation recorded in **A.4.a.(1)** of this section.
 - (3) Record the monthly and year-to-date fuel consumption, in gallons.
 - (a) The monthly fuel consumption shall be determined at the end of each month as the sum of the daily fuel consumption values for the current month. The year-to-date fuel consumption shall be determined at the end of the month as the sum of the monthly fuel consumption values for the current month and all prior months of the current year.
- c. The required monitoring established in **A.4.a and b.** of this section, shall be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (1) The calendar date of any required monitoring.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

A. Emission Unit S2.001 (continued)

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2) (Continued)

e. New Source Performance Standards – Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

- (1) Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR Part 60.4204(b) according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine (40 CFR Part 60.4206).
- (2) Owners and operators of 2007 model year and later stationary CI ICE that must comply with the emission standards specified in 40 CFR Part 60.4204(b) shall demonstrate compliance by purchasing an engine certified to the emission standards in 40 CFR Part 60.4204(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications (40 CFR Part 60.4211(c)).

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions

B. Emission Unit S2.002

North 4,440.352 km, East 542.790 km, UTM (Zone 11, NAD 83)

B. System 2 – Diesel Generator #2 (Revised, Date 2016)
S 2.002 Diesel Generator (324 Hp; Manufactured by Cummins, Model # QSB7-G5 NR3, manufactured date 2013)

- 1. Air Pollution Control Equipment (NAC 445B.346.1)
S2.002 has no add-on controls.

Descriptive Stack Parameters for S2.002
 Stack height: 7.9 feet
 Stack inside diameter: 0.3 feet
 Stack temperature: 807 °F

- 2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

- a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from S2.002, the following pollutants in excess of the following specified limits:
 - (1) The discharge of particulate matter (PM) to the atmosphere shall not exceed 0.07 pound per hour, nor more than 0.31 ton per year.
 - (2) The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed 0.07 pound per hour, nor more than 0.31 ton per year.
 - (3) The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed 0.07 pound per hour, nor more than 0.31 ton per year.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere shall not exceed 0.11 pound per hour, nor more than 0.50 ton per year.
 - (5) The discharge of nitrogen oxides (NOx) to the atmosphere shall not exceed 1.93 pounds per hour, nor more than 8.45 tons per year.
 - (6) The discharge of carbon monoxide (CO) to the atmosphere shall not exceed 0.59 pound per hour, nor more than 2.60 tons per year.
 - (7) The discharge of volatile organic compounds (VOCs) to the atmosphere shall not exceed 0.80 pound per hour, nor more than 3.50 tons per year.
 - (8) The opacity from S2.002 shall not equal or exceed 20 percent in accordance with NAC 445B.22017.
- b. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4204(b))
 - (1) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable. Exhaust emission from non-road engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards as follows (89.112(a)):
 - (a) Hydrocarbons plus Nitrogen Oxides (NMHC+NOx) shall not exceed 4.0 grams/kW-hr (2.13 lb/hr).
 - (b) Particulate Matter (PM) shall not exceed 0.20 grams/kW-hr (0.11 lb/hr).
 - (c) Carbon Monoxide (CO) shall not exceed 3.5 grams/kW-hr (1.86 lb/hr).



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

B. Emission Unit S2.002 (continued)

3. Operating Parameters (NAC 445B.346.1)
 - a. The maximum allowable #2 diesel fuel consumption rate for **S2.002** shall not exceed **8.87** gallons per any one-hour period.
 - b. The sulfur content of the #2 diesel combusted in **S2.002** shall not exceed 0.0015% by weight (15 ppm).
 - c. Hours
S2.002 may operate **24** hours per day and **8,760** hours per calendar year.
 - d. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4207(b))
 - (1) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel:
 - (a) Sulfur content – 15 ppm (0.0015 wt%) maximum for nonroad diesel fuel.
 - (b) Cetane index or aromatic content – minimum cetane index of 40 or maximum aromatic content of 35 volume percent.
 - e. Work Practice Standards
Standards of Performance for New Stationary Sources (NSPS) Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Permittee must:
 - (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (40 CFR Part 60.4211(a)(1)).
 - (2) Change only those emission-related settings that are permitted by the manufacturer; (40 CFR Part 60.4211(a)(2)).
 - (3) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply to you; (40 CFR Part 60.4211(a)(3)).
 - (4) Operate and maintain stationary CI ICE that achieves the emission standards as required in 40 CFR Part 60.4204(b) of this section over the entire life of the engine (40 CFR Part 60.4206).
 - f. National Emissions Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)(40 CFR Part 63.6590 (c))
 - (1) An affected source that is a new or reconstructed stationary RICE located at an area source, must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.
4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)
The Permittee, upon the issuance date of this operating permit, shall:
 - a. Operational Hours Monitoring
 - (1) Record the total daily hours of operation for each day the engine operates.
 - (2) Record the total monthly and total annual hours of operation for the calendar 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 current month and all previous months of the calendar year.
 - b. Fuel Monitoring
 - (1) Keep a copy of a fuel supplier certification consisting of the name of the fuel supplier, and a statement from the fuel supplier that only diesel oil which complies with the sulfur limit as specified above shall be delivered to the site. This certification need only be supplied once per supplier per permit renewal period.
 - (2) Monitor and record the total daily fuel consumption for **S2.002** for each day of operation by multiplying the maximum hourly fuel consumption rate, as stated in **B.3.a.** of this section, and the total daily hours of operation recorded in **B.4.a.(1)** of this section.
 - (3) Record the monthly and year-to-date fuel consumption, in gallons.
 - (a) The monthly fuel consumption shall be determined at the end of each month as the sum of the daily fuel consumption values for the current month. The year-to-date fuel consumption shall be determined at the end of the month as the sum of the monthly fuel consumption values for the current month and all prior months of the current year.
 - c. The required monitoring established in **B.4.a and b.** of this section, shall be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (1) The calendar date of any required monitoring.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

B. Emission Unit S2.002 (continued)

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2) (Continued)

e. New Source Performance Standards – Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

- (1) Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR Part 60.4204(b) according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine (40 CFR Part 60.4206).
- (2) Owners and operators of 2007 model year and later stationary CI ICE that must comply with the emission standards specified in 40 CFR Part 60.4204(b) shall demonstrate compliance by purchasing an engine certified to the emission standards in 40 CFR Part 60.4204(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications (40 CFR Part 60.4211(c)).

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

~~C. System 3 – 201 HP Emergency Diesel Generator #1 (Removed, DATE 2016)~~

~~S 2.003 201 HP Emergency Diesel Generator Cummins 150DSGAC, mdl# QSB7-G3-NR3, mfd: 2013~~

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

D.	System 4 – 103 HP Emergency Diesel Generator #2 (Removed, DATE 2016)
S	2.004 103 HP Emergency Diesel Generator Cummins 60DSFAD, mdl# QSB5-G3-NR3, mfd: 2013

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

E. Emission Unit S2.005

Location North 4,439.621 km, East 544.516 km, UTM (Zone 11, NAD 83)

D. System 5 – Gasoline Storage Tank

S 2.005 5,000 Gallon Gasoline Storage Tank

1. Air Pollution Control Equipment (NAC 445B.346.1)
Emissions from **S2.005** shall be controlled by submerged fill, fixed roof, and best operating practices.

Descriptive Tank Parameters for S2.005
Shell Diameter (ft): 8.0
Shell Height (ft): 14.6
Max. Capacity (gallons): 5,000
Max. Storage Temperature (°F): Ambient
2. Emission Limits (NAC 445B.305; NAC 445B.346.1)
Permittee shall not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits for gasoline loading into **S2.005**:
 - a. The combined discharge of volatile organic compounds (VOCs) to the atmosphere shall not exceed no more than **0.82** ton per year.
 - b. The opacity from **S2.005** shall not equal or exceed 20 percent in accordance with NAC 445B.22017.
3. Operating Parameters (NAC 445B.346.1)
 - a. The maximum **gasoline** loading into storage tank **S2.005** shall not exceed **20,000** gallons per calendar month nor more than **240,000** gallons per calendar year.
 - b. Permittee shall submit notification and supporting information of identification prior to any proposed removal, replacement, or new construction of any gasoline storage tank(s) utilized for dispensing of gasoline. The notification and identification shall consist of, at a minimum, the tank location, capacity in gallons, and serial and/or identification number.
 - c. **S2.005** may operate **24** hours per day and **8,760** hours per calendar year.
4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)
Permittee, upon the issuance date of this permit, shall:
 - a. Record, in a contemporaneous log, the total gasoline loaded into, or dispensed from, **S2.005** as measured by an individual fuel flow meter on a monthly basis.
 - b. Record in the contemporaneous log required in **E.4.a.** above, the cumulative total monthly gasoline loaded in a calendar year.
 - (a) The calendar date of any required monitoring.
 - (b) Record the daily amount of gasoline loaded into storage tank **S2.005** in gallons, for the corresponding date
 - (c) The monthly amount of gasoline received shall be determined at the end of each calendar month as the sum of each shipment. The amount of gasoline received annually shall be determined at the end of each calendar month as the sum of the monthly totals.
 - c. 40 CFR Part 63 Subpart CCCCC - NESHAP for Gasoline Dispensing Facilities
Permittee must comply with the following for **S2.005** (40 CFR 63.11113(b):
 - (1) Requirements for facilities with monthly throughput of 10,000 gallons of gasoline or more. (40 CFR 63.11117)
 - (a) You must comply with the requirements in section §63.11116(a).
 - (i) 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:
 - (ii) Minimize gasoline spills;
 - (iii) Clean up spills as expeditiously as practicable;
 - (iv) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
 - (v) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
 - (b) Except as specified in paragraph 40 CFR 63.11117(c) of this section, you must only load gasoline into storage tanks at your facility by utilizing submerged filling, as defined in §63.11132, and as specified in paragraphs (b)(1), (b)(2), or (b)(3) of this section. The applicable distances in paragraphs (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.
 - (i) Submerged fill pipes installed on or before November 9, 2006, must be no more than 12 inches from the bottom of the tank.
 - (ii) Submerged fill pipes installed after November 9, 2006, must be no more than 6 inches from the bottom of the tank.
 - (iii) Submerged fill pipes not meeting the specifications of paragraphs (b)(1) or (b)(2) of this section 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.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.006

Location North 4,443.085 km, East 535.154 km, UTM (Zone 11, NAD 83)

F. System 6 – Diesel Decline Generator #1 (Added, Date 2016)
S 2.006 Diesel Generator, Decline #1; (779 Hp; Manufactured by CAT, Model # C18, manufactured date 2014)

1. Air Pollution Control Equipment (NAC 445B.346.1)
S2.006 has no add-on controls.

Descriptive Stack Parameters for S2.006
 Stack height: 15 feet
 Stack inside diameter: 0.7 feet
 Stack temperature: 914 °F

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)

- a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.006**, the following pollutants in excess of the following specified limits:
 - (1) The discharge of particulate matter (PM) to the atmosphere shall not exceed **0.01** pound per hour, nor more than **0.06** ton per year.
 - (2) The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed **0.01** pound per hour, nor more than **0.06** ton per year.
 - (3) The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed **0.01** pound per hour, nor more than **0.06** ton per year.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere shall not exceed **0.01** pound per hour, nor more than **0.03** ton per year.
 - (5) The discharge of nitrogen oxides (NOx) to the atmosphere shall not exceed **0.13** pound per hour, nor more than **0.56** ton per year.
 - (6) The discharge of carbon monoxide (CO) to the atmosphere shall not exceed **0.13** pound per hour, nor more than **0.56** ton per year.
 - (7) The discharge of volatile organic compounds (VOCs) to the atmosphere shall not exceed **0.03** pound per hour, nor more than **0.11** ton per year.
 - (8) The opacity from **S2.006** shall not equal or exceed **20** percent in accordance with NAC 445B.22017.
- b. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4204(b))
 - (1) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable. Exhaust emission from non-road engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards as follows (89.112(a)):
 - (a) Hydrocarbons plus Nitrogen Oxides (NMHC+NOx) shall not exceed 6.4 grams/kW-hr (8.20 lb/hr).
 - (b) Particulate Matter (PM) shall not exceed 0.20 grams/kW-hr (0.26 lb/hr).
 - (c) Carbon Monoxide (CO) shall not exceed 3.5 grams/kW-hr (4.48 lb/hr).



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.006 (continued)

3. Operating Parameters (NAC 445B.346.1)
 - a. The maximum allowable #2 diesel fuel consumption rate for **S2.006** shall not exceed **35.9** gallons per any one-hour period.
 - b. The sulfur content of the #2 diesel combusted in **S2.006** shall not exceed 0.0015% by weight (15 ppm).
 - c. Hours
S2.006 may operate **24** hours per day and **8,760** hours per calendar year.
 - d. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4207(b))
 - (1) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel:
 - (a) Sulfur content – 15 ppm (0.0015 wt%) maximum for nonroad diesel fuel.
 - (b) Cetane index or aromatic content – minimum cetane index of 40 or maximum aromatic content of 35 volume percent.
 - e. Work Practice Standards
Standards of Performance for New Stationary Sources (NSPS) Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Permittee must:
 - (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (40 CFR Part 60.4211(a)(1)).
 - (2) Change only those emission-related settings that are permitted by the manufacturer; (40 CFR Part 60.4211(a)(2)).
 - (3) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply to you; (40 CFR Part 60.4211(a)(3)).
 - (4) Operate and maintain stationary CI ICE that achieves the emission standards as required in 40 CFR Part 60.4204(b) of this section over the entire life of the engine (40 CFR Part 60.4206).
 - f. National Emissions Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)(40 CFR Part 63.6590 (c))
 - (1) An affected source that is a new or reconstructed stationary RICE located at an area source, must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.
4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)
The Permittee, upon the issuance date of this operating permit, shall:
 - a. Operational Hours Monitoring
 - (1) Record the total daily hours of operation for each day the engine operates.
 - (2) Record the total monthly and total annual hours of operation for the calendar 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 current month and all previous months of the calendar year.
 - b. Fuel Monitoring
 - (1) Keep a copy of a fuel supplier certification consisting of the name of the fuel supplier, and a statement from the fuel supplier that only diesel oil which complies with the sulfur limit as specified above shall be delivered to the site. This certification need only be supplied once per supplier per permit renewal period.
 - (2) Monitor and record the total daily fuel consumption for **S2.006** for each day of operation by multiplying the maximum hourly fuel consumption rate, as stated in **F.3.a.** of this section, and the total daily hours of operation recorded in **F.4.a.(1)** of this section.
 - (3) Record the monthly and year-to-date fuel consumption, in gallons.
 - (a) The monthly fuel consumption shall be determined at the end of each month as the sum of the daily fuel consumption values for the current month. The year-to-date fuel consumption shall be determined at the end of the month as the sum of the monthly fuel consumption values for the current month and all prior months of the current year.
 - c. The required monitoring established in **F.4.a and b.** of this section, shall be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (1) The calendar date of any required monitoring.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

F. Emission Unit S2.006 (continued)

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2) (Continued)

e. New Source Performance Standards – Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

- (1) Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR Part 60.4204(b) according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine (40 CFR Part 60.4206).
- (2) Owners and operators of 2007 model year and later stationary CI ICE that must comply with the emission standards specified in 40 CFR Part 60.4204(b) shall demonstrate compliance by purchasing an engine certified to the emission standards in 40 CFR Part 60.4204(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications (40 CFR Part 60.4211(c)).

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions

G. Emission Units S2.007 and S2.008

S2.007 Location: North 4,443.083 km, East 535.159 km, UTM (Zone 11, NAD 83)

S2.008 Location: North 4,443.081 km, East 535.164 km, UTM (Zone 11, NAD 83)

G. System 7 – Diesel Decline Generator #2 and #3 (Added, Date 2016)		
S	2.007	Diesel Generator, Decline #2; (3,627 Hp; Manufactured by CAT, Model # 3516C, manufactured date 2014)
S	2.008	Diesel Generator, Decline #3; (3,627 Hp; Manufactured by CAT, Model # 3516C, manufactured date 2014)

1. Air Pollution Control Equipment (NAC 445B.346.1)
S2.007 and S2.008, each, have no add-on controls.

Descriptive Stack Parameters for S2.007 and S2.008 each
 Stack height: 15 feet
 Stack inside diameter: 1.3 feet
 Stack temperature: 910 °F

2. Emission Limits (NAC 445B.305; NAC 445B.346.1)
 - a. The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.007 and S2.008, each**, the following pollutants in excess of the following specified limits:
 - (1) The discharge of particulate matter (PM) to the atmosphere shall not exceed **0.18** pound per hour, nor more than **0.78** ton per year, each.
 - (2) The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed **0.18** pound per hour, nor more than **0.78** ton per year, each.
 - (3) The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed **0.18** pound per hour, nor more than **0.78** ton per year, each.
 - (4) The discharge of sulfur dioxide (SO₂) to the atmosphere shall not exceed **0.04** pound per hour, nor more than **0.16** ton per year, each.
 - (5) The discharge of nitrogen oxides (NO_x) to the atmosphere shall not exceed **4.00** pounds per hour, nor more than **17.50** tons per year, each.
 - (6) The discharge of carbon monoxide (CO) to the atmosphere shall not exceed **1.28** pounds per hour, nor more than **5.60** tons per year, each.
 - (7) The discharge of volatile organic compounds (VOCs) to the atmosphere shall not exceed **1.13** pounds per hour, nor more than **4.96** tons per year, each.
 - (8) The opacity from **S2.007 and S2.008, each**, shall not equal or exceed **20** percent in accordance with NAC 445B.22017.
 - b. New Source Performance Standards – Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4204(b))
 - (1) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable. Exhaust emission from non-road engines to which this subpart is applicable shall not exceed the applicable exhaust emission standards as follows (89.112(a)):
 - (a) Hydrocarbons plus Nitrogen Oxides (NMHC+NO_x) shall not exceed 6.4 grams/kW-hr (38.16 lb/hr).
 - (b) Particulate Matter (PM) shall not exceed 0.20 grams/kW-hr (1.19 lb/hr).
 - (c) Carbon Monoxide (CO) shall not exceed 3.5 grams/kW-hr (20.87 lb/hr).



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions

G. Emission Units S2.007 and S2.008 (Continued)

3. Operating Parameters (NAC 445B.346.1)

- a. The maximum allowable #2 diesel fuel consumption rate for **S2.007 and S2.008, each**, shall not exceed **172.9** gallons per any one-hour period.
- b. The sulfur content of the #2 diesel combusted in **S2.007 and S2.008, each**, shall not exceed 0.0015% by weight (15 ppm).
- c. Hours
S2.007 and S2.008, each, may operate **24** hours per day and **8,760** hours per calendar year.
- d. New Source Performance Standards – 40 CFR Part 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60.4207(b))
 - (1) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel:
 - (a) Sulfur content – 15 ppm (0.0015 wt%) maximum for nonroad diesel fuel.
 - (b) Cetane index or aromatic content – minimum cetane index of 40 or maximum aromatic content of 35 volume percent.
- e. Work Practice Standards
Standards of Performance for New Stationary Sources (NSPS) Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
Permittee must:
 - (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (40 CFR Part 60.4211(a)(1)).
 - (2) Change only those emission-related settings that are permitted by the manufacturer; (40 CFR Part 60.4211(a)(2)).
 - (3) Meet the requirements of 40 CFR Parts 89, 94 and/or 1068, as they apply to you; (40 CFR Part 60.4211(a)(3)).
 - (4) Operate and maintain stationary CI ICE that achieves the emission standards as required in 40 CFR Part 60.4204(b) of this section over the entire life of the engine (40 CFR Part 60.4206).
- f. National Emissions Standards for Hazardous Air Pollutants for Source Categories – 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)(40 CFR Part 63.6590 (c))
 - (1) An affected source that is a new or reconstructed stationary RICE located at an area source, must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)

The Permittee, upon the issuance date of this operating permit, shall:

- a. Operational Hours Monitoring
 - (1) Record the total daily hours of operation for each day the engine operates.
 - (2) Record the total monthly and total annual hours of operation for the calendar 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 current month and all previous months of the calendar year.
- b. Fuel Monitoring
 - (1) Keep a copy of a fuel supplier certification consisting of the name of the fuel supplier, and a statement from the fuel supplier that only diesel oil which complies with the sulfur limit as specified above shall be delivered to the site. This certification need only be supplied once per supplier per permit renewal period.
 - (2) Monitor and record the total daily fuel consumption for **S2.007 and S2.008, each**, for each day of operation by multiplying the maximum hourly fuel consumption rate, as stated in **G.3.a.** of this section, and the total daily hours of operation recorded in **G.4.a.(1)** of this section.
 - (3) Record the monthly and year-to-date fuel consumption, in gallons.
 - (a) The monthly fuel consumption shall be determined at the end of each month as the sum of the daily fuel consumption values for the current month. The year-to-date fuel consumption shall be determined at the end of the month as the sum of the monthly fuel consumption values for the current month and all prior months of the current year.
- c. The required monitoring established in **G.4.a and b.** of this section, shall be maintained in a contemporaneous log containing, at a minimum, the following recordkeeping:
 - (1) The calendar date of any required monitoring.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

G. Emission Units S2.007 and S2.008 (continued)

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2) (Continued)

e. New Source Performance Standards – Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

- (1) Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR Part 60.4204(b) according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine (40 CFR Part 60.4206).
- (2) Owners and operators of 2007 model year and later stationary CI ICE that must comply with the emission standards specified in 40 CFR Part 60.4204(b) shall demonstrate compliance by purchasing an engine certified to the emission standards in 40 CFR Part 60.4204(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications (40 CFR Part 60.4211(c)).

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

H. Emission Units PF1.001 through PF1.004 and S2.009

PF1.001 Location: North 4,442.973 km, East 535.269 km, UTM (Zone 11, NAD 83)
PF1.002 Location: North 4,442.973 km, East 535.254 km, UTM (Zone 11, NAD 83)
S2.009 and PF1.003 Location: North 4,442.975 km, East 535.253 km, UTM (Zone 11, NAD 83)
PF1.004 Location: North 4,442.975 km, East 535.250 km, UTM (Zone 11, NAD 83)

H. System 8 – Shotcrete Plant (Added, Date 2016)		
PF	1.001	Truck Discharge to Loading Screw
PF	1.002	Loading Screw transfer to Bucket Elevator
S	2.009	Shotcrete Silo - Loading
PF	1.003	Shotcrete Silo – Unloading to Discharge Screw
PF	1.004	Discharge Screw transfer to Mixing Screw

- Air Pollution Control Equipment (NAC 445B.346.1)
Emissions from **PF1.001, PF1.002, PF1.003, and PF1.004, each**, shall be controlled by an enclosure.
Emissions from **S2.009** shall be controlled by a bin vent filter.

Descriptive Stack Parameters for S2.009
Stack height: 55 feet
Stack inside diameter: 1.0 feet
Stack temperature: Ambient

- Emission Limits (NAC 445B.305; NAC 445B.346.1)
 - The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **PF1.001, PF1.002, PF1.003, and PF1.004, each**, the following pollutants in excess of the following specified limits:
 - The discharge of particulate matter (PM) to the atmosphere shall not exceed **0.28** pound per hour, nor more than **0.05** ton per year, each.
 - The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed **0.16** pound per hour, nor more than **0.03** ton per year, each.
 - The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed **0.02** pound per hour, nor more than **0.004** ton per year, each.
 - The opacity from **PF1.001, PF1.002, PF1.003, and PF1.004, each**, shall not equal or exceed **20** percent in accordance with NAC 445B.22017.
 - The Permittee, upon issuance of this operating permit, shall not discharge or cause the discharge into the atmosphere from **S2.009**, the following pollutants in excess of the following specified limits:
 - The discharge of particulate matter (PM) to the atmosphere shall not exceed **0.11** pound per hour, nor more than **0.02** ton per year.
 - The discharge of particulate matter less than 10 microns in diameter (PM₁₀) to the atmosphere shall not exceed **0.04** pound per hour, nor more than **0.007** ton per year.
 - The discharge of particulate matter less than 2.5 microns in diameter (PM_{2.5}) to the atmosphere shall not exceed **0.006** pound per hour, nor more than **0.001** ton per year.
 - The opacity from **S2.009** shall not equal or exceed **20** percent in accordance with NAC 445B.22017.
- Operating Parameters (NAC 445B.346.1)
 - The maximum allowable throughput rate for **PF1.001 through PF1.004 and S2.009, each**, shall not exceed **115.0** tons of shotcrete per any one-hour period, nor more than **41,000** tons per calendar year.
 - Hours
 - PF1.001 through PF1.004 and S2.009, each**, may operate **24** hours per day and **8,760** hours per calendar year.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section V. Specific Operating Conditions (continued)

H. Emission Units PF1.001 through PF1.004 and S2.009 (Continued)

4. Monitoring, Testing, Recordkeeping and Reporting (NAC 445B.346.2)

- a. Upon the issuance date of this permit, Permittee shall maintain, in a contemporaneous log, the monitoring and recordkeeping specified in **H.4.a. and b.** of 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. Permittee shall:
 - (1) Record the throughput of shotcrete for **PF1.001 through PF1.004 and S2.009, each**, on each day of operation.
 - (2) Record the hours of operation for **PF1.001 through PF1.004 and S2.009, each**, on each day of operation.
 - (3) Record the average hourly throughput rate in tons per hour. The average hourly throughput rate shall be determined by dividing the total daily throughput rate by the total daily hours of operation.
 - (4) Record the monthly throughput rate in tons per calendar month, and the corresponding annual throughput rate in tons per year. The monthly throughput rate shall be determined at the end of each calendar month as the sum of each total daily throughput rate as determined in **H.4.a.(1)** of this section for each day of the calendar month. The annual throughput rate shall be determined at the end of each calendar month as the sum of the monthly throughput rates beginning in January of each year to ensure compliance with **H.3.a.** of this section.
- b. Upon the issuance date of this permit, Permittee shall conduct the following monitoring.
 - (1) Conduct and record an observation of visible emissions (excluding water vapor) on **PF1.001 through PF1.004, each**, 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 take immediate corrective action. The Permittee shall maintain in a contemporaneous log containing the following recordkeeping: The calendar date of any required monitoring, results of the monthly observation of visible emission, and any corrective actions taken.
 - (2) Conduct and record an observation of visible emissions (excluding water vapor) on the **exhaust stack discharge of S2.009** 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 take immediate corrective action. The Permittee shall maintain in a contemporaneous log containing the following recordkeeping: The calendar date of any required monitoring, results of the monthly observation of visible emission, and any corrective actions taken.

*******End of Specific Operating Conditions*******



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section VI. Emission Caps

N/A

*****End of Emission Caps*****

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section VII. Surface Area Disturbance Conditions

Surface area disturbance in excess of 20 acres – 400 acres for Goldrush Complex Exploration Project

A. NAC 445B.22037

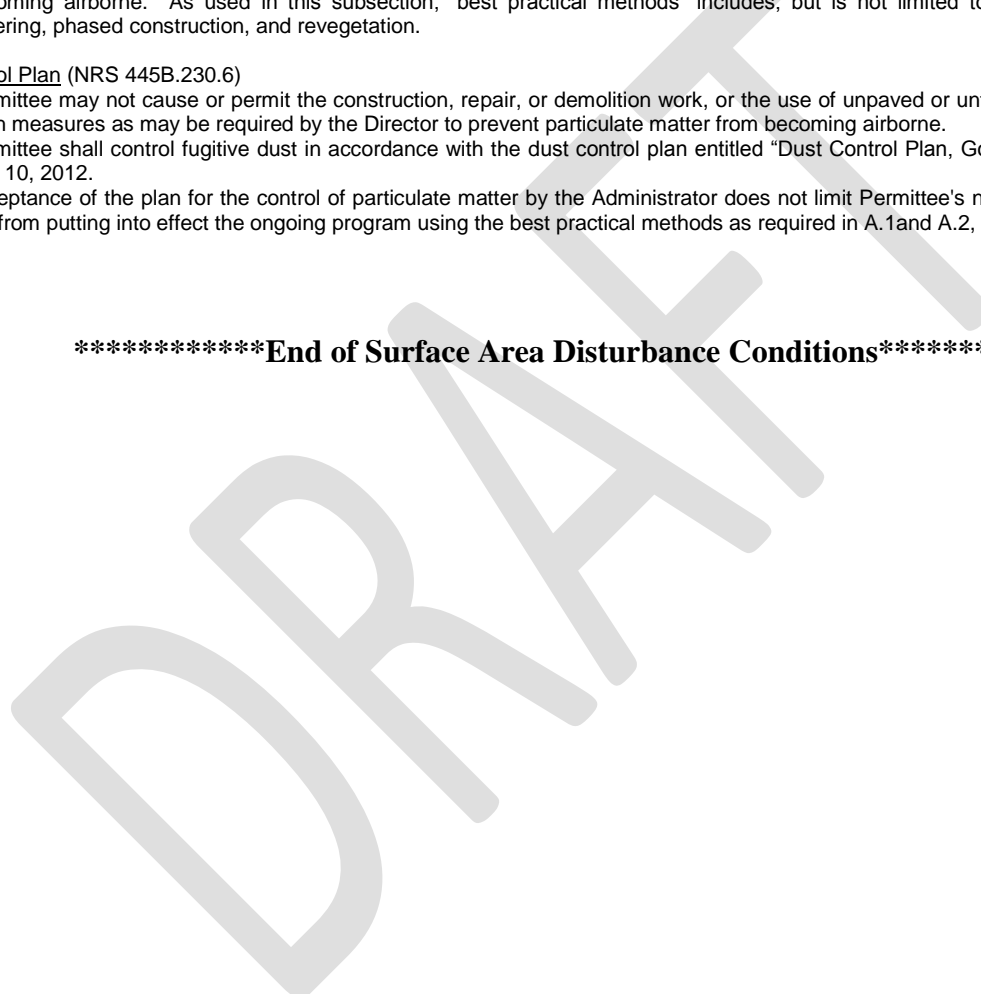
Fugitive Dust

1. No person may cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, no person may cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.

B. Dust Control Plan (NRS 445B.230.6)

1. Permittee may not cause or permit the construction, repair, or demolition work, or the use of unpaved or untreated areas without applying all such measures as may be required by the Director to prevent particulate matter from becoming airborne.
2. Permittee shall control fugitive dust in accordance with the dust control plan entitled "Dust Control Plan, Goldrush Project", as submitted on July 10, 2012.
3. Acceptance of the plan for the control of particulate matter by the Administrator does not limit Permittee's need to control particulate matter, nor from putting into effect the ongoing program using the best practical methods as required in A.1 and A.2, of this section.

*******End of Surface Area Disturbance Conditions*******





BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section VIII. Schedules of Compliance

A. N/A

*****End of Schedule of Compliance Conditions*****

DRAFT



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A1447

Permit No. AP1041-3336

CLASS II AIR QUALITY OPERATING PERMIT

Issued to: BARRICK GOLD EXPLORATION, INC. – GOLDRUSH COMPLEX

Section IX. Amendments

June 28, 2013 – New Class II AP1041-3336. Air Case ID# 7432. Surface Area Disturbance Class II AP1041-3123 shall be cancelled and provisions of SAD permit shall be incorporated into the SAD conditions of AP1041-3336.

February 6, 2014 – Revision to Class II AP1041-3336. Air Case ID# 7760. The replacement of the 235 HP and 268 HP diesel generators (systems 1 & 2) with new 162 HP generators. Adding two new emergency generators (201 HP and 103 HP – Systems 3 & 4) and increasing the monthly and annual gasoline fuel throughput (System 5) from 5,000 per month (60,000 gallons per year) to 20,000 gallons per month (240, 000 gallons per year).

DATE: Air Case 8877 – Revision to Class II Air Quality Operating Permit AP1041-3336: Revise existing Systems 1 and 2 by removing existing 165 Hp generators and replacing them with 2 324 Hp generators; Removed 201 Hp Emergency Generator (existing System 3), and 103 Hp Emergency Generator (existing System 4); Added Systems 6 and 7 (Decline Generators 1 through 3) and System 8 (Shotcrete Plant).

This permit:

1. **Is non-transferable. NAC 445B.287.4**
2. **Shall be posted conspicuously at or near the stationary source. NAC 445B.318.5**
3. **Carries a term of five years beginning on the date of:** June 28, 2013 .
NAC 445B.315.3.(a).
4. **A completed application for renewal of an operating permit must be submitted to the director on the form provided by him with the appropriate fee at least 70 calendar days before the expiration date of this operating permit. NAC 445B.3473.2**
5. **Any party aggrieved by the Department’s decision to issue this permit may appeal to the State Environmental Commission (SEC) within ten days after the date of notice of the Department’s action. NRS 445B.340.**

THIS PERMIT EXPIRES ON: June 28, 2018

Signature _____
Issued by: Ashley Taylor, P.E., GISP
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9330 **Date:** DRAFT

Rp jp rm
06/13 02/14 1/17

Class II Non-Permit Equipment List

Appended to Permit #AP1041-3336

Emission Unit #	Emission Unit Description
IA1.001	10,000 Gallon Diesel Storage Tank
IA1.002	10,000 Gallon Diesel Storage Tank
IA1.003	Polyfiber Feed System