

BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0001

Permit No. AP1041-2141

**CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS**

Issued to: **Barrick Cortez, Inc.** as Permittee

Section VI. Specific Operating Conditions (continued)

BK. Emission Units S2.052 & PF1.203 – PF1.204 Location North 4,444.62 km, East 533.58 km, UTM (Zone 11, NAD 83)

System 53 – A30, 200 Ton Lime Silo		
S	2.052	A30 Lime Silo (pneumatic) Loading
PF	1.203	A30 Lime Silo Unloading to Lime Conveyor
PF	1.204	Lime Conveyor transfer to Truck

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment
Emissions from **S2.052** shall be ducted to a control system consisting of a **bin vent** with 100% capture.
Emissions from **PF1.203** and **PF1.204** each, shall be controlled by an **enclosure**.

2. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Emission Limits
 - a. NAC 445B.305 Part 70 Program
On and after the date of startup of **S2.052**, Permittee will not discharge or cause the discharge into the atmosphere from the bin vent of **S2.052**, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.034** pound per hour, nor more than **0.026** ton per year, based on a 12-month rolling period. This limit is less than the **51.28** pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited in BK.3.a. of this section.
 - (2) The discharge of PM (particulate matter) to the atmosphere will not exceed **0.099** pound per hour, nor more than **0.074** ton per year, based on a 12-month rolling period.
 - (3) NAC 445B.22017 (Federally Enforceable SIP Requirement) - The opacity from the **bin vent discharge of S2.052** will not equal or exceed **20%** in accordance with NAC 445B.22017.

 - b. NAC 445B.305 Part 70 Program
On and after the date of startup of **PF1.203** and **PF1.204**, Permittee will not discharge or cause the discharge into the atmosphere from **PF1.203** and **PF1.204**, the following pollutants in excess of the following specified limits:
 - (1) The discharge of PM₁₀ to the atmosphere will not exceed **0.28** pound per hour each, nor more than **0.11** ton per year each, based on a 12-month rolling period. This limit is less than the **58.51** pounds per hour maximum allowable emission limit for **PF1.203** and **PF1.204** each, as determined from NAC 445B.22033 and each maximum allowable throughput as limited in BK.3.b. of this section.
 - (2) The discharge of PM to the atmosphere will not exceed **0.48** pound per hour each, nor more than **0.18** ton per year each, based on a 12-month rolling period.
 - (3) NAC 445B.22017 (Federally Enforceable SIP Requirement) - The opacity from **PF1.203** and **PF1.204** each, will not equal or exceed **20%** in accordance with NAC 445B.22017.

3. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Operating Parameters
 - a. The maximum allowable loading rate for **S2.052** will not exceed **100** tons of **lime** per any one-hour period, nor more than **150,000** tons of **lime** per year, based on a 12-month rolling period.
 - b. The maximum allowable discharge rate for **PF1.203** and **PF1.204** each, will not exceed **200** tons of **lime** per any one-hour period, nor more than **150,000** tons of **lime** per year, based on a 12-month rolling period.
 - c. Hours
 - (1) **S2.052** and **PF1.203 – PF1.204** each, may operate **8,760** hours per calendar year.



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Section VI. Specific Operating Conditions (continued)

BK. Emission Units S2.052 and PF1.203 – PF1.204 (continued)

4. NAC 445B.3405 (NAC 445B.316) Part 70 Program

a. Monitoring, Record keeping and Compliance

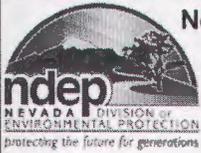
The Permittee, upon issuance of this operating permit will:

- (1) Monitor and record the loading rate of lime for **S2.052** on a daily basis.
- (2) Monitor and record the discharge rate of lime for **PF1.203 – PF1.204** each, on a daily basis.
- (3) Monitor and record the hours of operation of **S2.052** and **PF1.203 – PF1.204** each, on a daily basis.
- (4) Conduct a monthly inspection of the **bin vent on S2.052** 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.
- (5) Conduct a monthly inspection of the **enclosures on PF1.203 and PF1.204** each, and record the results and any corrective action taken.
- (6) The required monitoring established in (1) through (5) above will be maintained in a contemporaneous log containing at a minimum, the following record keeping for each day, or part of a day that **S2.052 and PF1.203 – PF1.204** is operating:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily loading rate of lime, in tons, for the corresponding date.
 - (c) The total daily discharge rate of lime, in tons, for the corresponding date.
 - (d) The total daily loading hours of operation for the corresponding date.
 - (e) The total daily discharge hours of operation for the corresponding date.
 - (f) The corresponding average hourly loading rate of lime, in tons per hour. The average hourly loading rate will be determined from the daily loading rate and the total daily hours of operation recorded in (b) and (d) above.
 - (g) The cumulative monthly loading rate of lime, for each 12-month rolling period.
 - (h) The corresponding average hourly discharge rate of lime, in tons per hour. The average hourly discharge rate will be determined from the daily discharge rate and the total daily hours of operation recorded in (c) and (e) above.
 - (i) The cumulative monthly discharge rate of lime, for each 12-month rolling period.
 - (j) Results and verification of the monthly inspections on the **bin vent for S2.052 and enclosures for PF1.203 and PF1.204** each, and any corrective actions taken in order to maintain implementation and proper use of the **bin vent and enclosures** used for control of emissions.

5. NAC 445B.3405 (NAC 445B.316) Part 70 Program

Shielded Requirements

No Shielded Requirements



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Section X. Amendments (continued)

April 15, 2013

1. Change of Location for System 52. System 52 allowed at two locations (Cortez Hills and A30). Aircase #7447.

November 26, 2013

1. Change of Location for System 53: North 4,444.62 km, East 533.58 km. Aircase #7725.

This permit:

1. **Is non-transferable. (NAC 445B.287) Part 70 Program**
2. **Will be posted conspicuously at or near the stationary source. (NAC 445B.318)(State Only Requirement)**
3. **Will expire and be subject to renewal five (5) years from January 28, 2008. (NAC 445B.315) Part 70 Program**
4. **A complete 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 240 calendar days before the expiration date of this operating permit. (NAC 445B.323.2) Part 70 Program**
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) (State Only Requirement)**

THIS PERMIT EXPIRES ON: January 28, 2013

Signature _____

Issued by: Jeffrey Kinder, P.E.
Supervisor, Permitting Branch
Bureau of Air Pollution Control

Phone: (775) 687-9475 **Date:** November 26, 2013