



Bureau of Air Pollution Control

Facility ID No. A0002

Permit No. AP1041-0793.01

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

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, as Permittee

Emission Unit List (continued):

PRAXAIR OXYGEN PLANT

CF. System 84 - Oxygen Plant Regenerative Heater

S 2.400 Oxygen Plant Regenerative Heater (Model & Serial #'s not provided by Facility)

METAL REMOVAL PLANT

CG. System 85 – Underground Ore Receiving System (Added on December 6, 2007)

PF 1.048 Underground Ore Receiving System

CH. System 86 – Metal Removing System (Added on December 6, 2007)

S 2.220 Vibratory grizzly discharge to metal removal conveyor #1

S 2.220.1 Vibratory grizzly discharge to inclined belt feeder

S 2.221 Metal removal conveyor #1 discharge to metal removal conveyor #2

S 2.222 Metal removal conveyor #2 discharge to transfer conveyor #3

S 2.223 Transfer conveyor #3 discharge to radial stacker

CI1. System 87a – Ore Stockpile Drops (Added on December 6, 2007)

PF 1.049 Radial stacker discharge to undersize stockpile

CI2. System 87b – Ore Stockpile Drops (Added on December 6, 2007)

PF 1.050 Inclined belt feeder discharge to oversize stockpile

PHOENIX SAMPLE PREP LAB

CJ. System 88 – Phoenix Prep Room Laboratory Crusher System (Added August 24, 2009)

S 2.226 Primary Crusher (858 CR-91)

S 2.227 Primary Crusher (858 CR-92)

S 2.228 Secondary Crusher (858 CR-93)

S 2.229 Secondary Crusher (858 CR-94)

S 2.230 Secondary Crusher (858 CR-95)

S 2.231 Secondary Crusher (858 CR-96)

CHUKAR UNDERGROUND SHOTCRETE PLANT

CK. System 89 – Shotcrete Lime/Cement/Fly Ash Silo

S 2.232 Lime/cement/fly ash silo, loading

PF 1.053 Lime/cement/fly ash silo and discharge to hopper C-1

CL. System 90 – Aggregate Loading

PF 1.054 Coarse/fine aggregate loading to hopper C-3

CM. System 91 – Aggregate Hopper

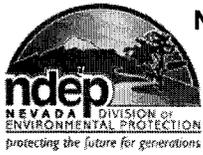
PF 1.055 Hopper C-3 and discharge to mixing hopper C-2 via totally enclosed feed auger

CN. System 92 – Lime/Cement/Fly Ash Hopper

PF 1.056 Lime/cement/fly ash hopper C-1 and discharge to mixing hopper C-2 via totally enclosed feed auger

CO. System 93 – Mixing Hopper

PF 1.057 Mixing hopper C-2 and discharge to truck via totally enclosed truck mixing auger



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Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

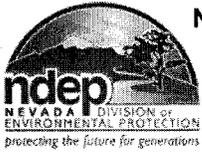
CG. Emission Unit # PF1.048 North 4515.36 km, East 567.70 km, UTM (Zone 11, NAD 83)

CG. System 85 – Underground Ore Receiving System (Added on December 6, 2007)

PF	1.048	Underground Ore Receiving System
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1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Equipment
 - a. PF1.048 has no add on controls.

2. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Emission Limits
 - a. On and after the date of startup of PF1.048, the permittee will not discharge or cause the discharge into the atmosphere from PF1.048, the following pollutants in excess of the following specified limits:
 - i. NAC 445B.305 Part 70 Program - The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.65 pound per hour, nor more than 0.97 ton per year, based on a 12-month rolling period.
 - ii. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ to the atmosphere will not exceed 77.59 pounds per hour.
 - iii. NAC 445B.305 Part 70 Program - The discharge of PM (particulate matter) to the atmosphere will not exceed 1.37 pounds per hour, nor more than 2.06 tons per year, based on a 12-month rolling period.
 - iv. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from PF1.048 will not equal or exceed 20%.
 - b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
On and after the sixtieth day after achieving the maximum production rate at which PF1.048 will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
 - i. Process fugitive emissions from PF1.048 will not exceed 10 percent opacity (40 CFR Part 60.382(b)).
 - ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate PF1.048 including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).



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Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee
Section VI. Specific Operating Conditions (continued)

CG. Emission Unit # PF1.048 (continued)

3. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Operating Parameters
 - a. The maximum allowable throughput rate for **PF1.048** will not exceed 1000.0 tons of as fed ore per any one-hour period.
 - b. The maximum annual throughput rate for **PF1.048** will not exceed 3,000,000.0 tons of as fed ore per year, based on a 12-month rolling period.
 - c. Hours
PF1.048 may operate 8760 hours per year.

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:
 - i. Monitor and record the throughput rate of as fed ore for **PF1.048** as the combined rate of the bucket loads at **PF1.050** and the belt scale located at **S2.223** on a daily basis.
 - ii. Monitor and record the hours of operation for **PF1.048** on a daily basis.
 - iii. Monitor and record the throughput rate of as fed ore for **PF1.048** on a cumulative monthly basis, for each 12-month rolling period.
 - iv. The required monitoring established in (i.) through (iii.) 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 **PF1.048** is operating:
 - a. The calendar date of any required monitoring.
 - b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
 - c. The total daily hours of operation for the corresponding date.
 - d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.

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

No Shielded Requirements



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Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 North 4515.36 km, East 567.70 km, UTM (Zone 11, NAD 83)

CH. System 86 – Underground Ore Metal Removal Plant (Added on December 6, 2007)		
S	2.220	Vibratory grizzly discharge to metal removal conveyor #1
S	2.220.1	Vibratory grizzly discharge to oversize inclined belt feeder
S	2.221	Metal removal conveyor #1 discharge to metal removal conveyor #2
S	2.222	Metal removal conveyor #2 discharge to transfer conveyor #3
S	2.223	Transfer conveyor #3 discharge to radial stacker

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

Air Pollution Equipment

a. Emissions from S2.220 – S2.223 each, shall be ducted to a control system consisting of Baghouse (MRB-01) with 100% capture and a combined maximum volume flow rate of 9,056 dry standard cubic feet per minute (DSCFM). The volumetric flow rate may be determined by utilizing Method 2 - *Determination of Stack Gas Velocity and Volumetric Flow Rate* as referenced in 40 CFR Part 60, Appendix A.

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

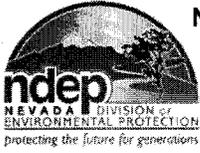
Emission Limits

- a. On and after the date of startup of S2.220 – S2.223, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of (MRB-01), the following pollutants in excess of the following specified limits:
 - i. NAC 445B.305 Part 70 Program - The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.776 pound per hour, nor more than 3.39 tons per year, based on a 12-month rolling period.
 - ii. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ to the atmosphere will not exceed 77.59 pounds per hour.
 - iii. NAC 445B.305 Part 70 Program - The discharge of PM (particulate matter) to the atmosphere will not exceed 0.776 pound per hour, nor more than 3.39 tons per year, based on a 12-month rolling period.
 - iv. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from the exhaust stack of Baghouse (MRB-01) will not equal or exceed 20%.

b. New Source Performance Standards - Subpart LL-Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)

On and after the sixtieth day after achieving the maximum production rate at which System 86 will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (MRB-01), the following pollutants in excess of the following specified limits:

- i. Emissions of particulate matter in excess of 0.05 grams per dry standard cubic meter (1.7 lb/hr) (40 CFR Part 60.382(a)(1)).
- ii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate S2.020 - S2.223 each including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).



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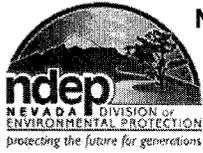
Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 (continued)

3. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Operating Parameters
 - a. The maximum allowable throughput rate for S2.220 – S2.223 each, will not exceed 1,000.0 tons of as fed ore per any one-hour period.
 - b. Hours
S2.220 – S2.223 each, may operate 8760 hours per year.

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:
 - i. Monitor and record the throughput rate of as fed ore, in tons for S2.220 – S2.223 each, as the combined rate of the bucket loads at PF1.050 and the belt scale located at S2.223 on a daily basis.
 - ii. Monitor and record the hours of operation for S2.220 – S2.223 each, on a daily basis.
 - iii. Conduct and record an annual check of all bags contained in Baghouse (MRB-01).
 - iv. Conduct and record a weekly reading of differential pressure on Baghouse (MRB-01), and verify that they are within the range established by the baghouse manufacturer; record the time of the reading and the differential pressures. S2.220 – S2.223 each, will not be operated when the baghouse differential pressure falls outside the range established in the operation and maintenance guidelines.
 - v. The required monitoring established in (i.) through (iv.) 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 S2.220 – S2.223 each, are operating:
 - (a) The calendar date of any required monitoring.
 - (b) The total daily throughput rate of as fed ore, in tons, for the corresponding date.
 - (c) The total daily hours of operation for the corresponding date.
 - (d) The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - (e) The results of the weekly differential pressure readings for Baghouse (MRB-01).
 - (f) Records and results of the annual check of bags contained in Baghouse (MRB-01).



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Section VI. Specific Operating Conditions (continued)

CH. Emission Units #'s S2.220 – S2.223 (continued)

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

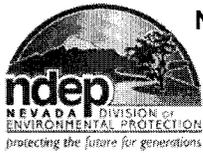
b. Performance/Compliance Testing

Within 60 days from the date of expiration of this permit, but no earlier than 365 days from the date of expiration of this permit, the permittee will:

- i. Conduct and record the following performance tests on the exhaust stack of (**Baghouse MRB-01**) consisting of three valid runs at the maximum throughput rate subject to CH.3.a. of this section.
 - (1) A Method 201A and Method 202 test in accordance with 40 CFR Part 51, Appendix M (or an alternative EPA reference method approved by the director) for PM₁₀.
 - (2) A Method 5 test with back-half catch in accordance with 40 CFR Part 60, Appendix A (or an alternative EPA reference method approved by the director) for PM.
- ii. The Method 201A and Method 202 tests required in CH.4.b.i. of this section may be replaced by a Method 5 test which includes the back-half catch. All particulate captured in the Method 5 tests with back-half performed under this provision shall be considered PM₁₀ emissions for determination of compliance with the emission limitations established in CH.2. of this section.
- iii. Performance tests required under CH.4.b.i. of this section that are conducted below the maximum allowable throughput, as established in CH.3.a. of this section, shall be subject to the director's review to determine if the throughput 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 then, the director may order additional performance testing for the purpose of a compliance demonstration.
- iv. Conduct and record a Method 9 visible emissions reading on the exhaust stack of (**Baghouse MRB-01**) concurrent with one of the three required Method 5 or Method 201A and Method 202 performance tests. Visible emissions reading shall use the procedures contained in 40 CFR Part 60, Appendix A, Method 9. The visible emissions reading must be conducted by a certified visible emissions reader for a period of 6-minutes. The opacity readings must be averaged such that compliance with a 6-minute average is determined.
- v. Tests of performance and visible emissions readings must be conducted under such conditions as the director specifies to the permittee 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 tests of performance and visible emissions readings. Operations during periods of start-up, shutdown and malfunction must not constitute representative conditions of tests of performance and visible emissions readings unless otherwise specified in the application standard (NAC 445B.252.3).
- vi. The permittee shall give notice to the director 30 days before the tests of performance and visible emissions readings to allow the director to have an observer present. A written testing procedure for the tests of performance and visible emissions reading must be submitted to the director at least 30 days before the tests of performance and visible emissions readings to allow the director to review the proposed testing procedures (NAC.445B.252.4).

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

No Shielded Requirements



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Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VI. Specific Operating Conditions (continued)

CI1. Emission Units # PF1.049 North 4515.36 km, East 567.70 km, UTM (Zone 11, NAD 83)

CI1. System 87a – Ore Stockpile Drops (Added on December 6, 2007)

PF	1.049	Radial stacker discharge to undersize stockpile
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1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. PF1.049 has no add on controls.

2. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Emission Limits

a. On and after the date of startup of PF1.049, the permittee will not discharge or cause the discharge into the atmosphere from PF1.049, the following pollutants in excess of the following specified limits:

i. NAC 445B.305 Part 70 Program - The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed the limits specified in **Section VII.B.1** of this operating permit.

ii. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ to the atmosphere will not exceed **77.59** pounds per hour.

iii. NAC 445B.305 Part 70 Program - The discharge of PM (particulate matter) to the atmosphere will not exceed the limits specified in **Section VII.B.1** of this operating permit.

iv. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from PF1.049 will not equal or exceed **20%**.

b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)

On and after the sixtieth day after achieving the maximum production rate at which PF1.049 will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:

i. Process fugitive emissions from PF1.049 will not exceed 10 percent opacity (40 CFR Part 60.382(b)).

ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).

iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate PF1.049, including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

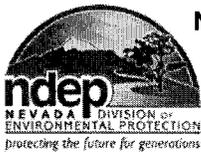
3. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Operating Parameters

a. The maximum allowable throughput rate for PF1.049 and PF1.050 combined will not exceed **1000.0** tons of as fed ore per any one-hour period as specified in **Section VII.B.2** of this operating permit.

b. The maximum annual throughput rate for PF1.049 and PF1.050 combined will not exceed **3,000,000.0** tons of as fed ore per year, based on a 12-month rolling period, as specified in **Section VII.B.2** of this operating permit.

c. Hours

PF1.049 may operate **8760** hours per year.



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Section VI. Specific Operating Conditions (continued)

CI1. Emission Units # PF1.049 (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:

- i. Monitor and record the throughput rate of as fed ore for **PF1.049** at the belt scale located at **S2.223** on a daily basis.
- ii. Monitor and record the hours of operation for **PF1.049**, on a daily basis.
- iii. Monitor and record the throughput rate of as fed ore for **PF1.049**, on a cumulative monthly basis, for each 12-month rolling period.
- iv. Conduct and record a weekly visible emission inspection on **PF1.049**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
- v. The required monitoring established in (i.) through (iv.) 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 **PF1.049** are operating:
 - a. The calendar date of any required monitoring.
 - b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
 - c. The total daily hours of operation for the corresponding date.
 - d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
 - f. Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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

Shielded Requirements

No Shielded Requirements



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Section VI. Specific Operating Conditions (continued)

CI2. Emission Units # PF1.050 North 4515.36 km, East 567.70 km, UTM (Zone 11, NAD 83)

CI2. System 87b – Ore Stockpile Drops (Added on December 6, 2007)

PF	1.050	Inclined belt feeder discharge to oversize stockpile
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1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment
 - a. **PF1.050** has no add on controls.

2. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Emission Limits
 - a. On and after the date of startup of **PF1.050**, the permittee will not discharge or cause the discharge into the atmosphere from **PF1.050**, the following pollutants in excess of the following specified limits:
 - i. NAC 445B.305 Part 70 Program - The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed the limits specified in **Section VII.B.1** of this operating permit.
 - ii. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ to the atmosphere will not exceed **77.59** pounds per hour.
 - iii. NAC 445B.305 Part 70 Program - The discharge of PM (particulate matter) to the atmosphere will not exceed the limits specified in **Section VII.B.1** of this operating permit.
 - iv. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from **PF1.050** will not equal or exceed 20%.
 - b. New Source Performance Standards (NSPS) – Subpart LL – Standards of Performance for Metallic Mineral Processing Plants (40 CFR Part 60.380)
On and after the sixtieth day after achieving the maximum production rate at which **PF1.050** will be operated, but not later than 180 days after initial startup, the permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:
 - i. Process fugitive emissions from **PF1.050** will not exceed 10 percent opacity (40 CFR Part 60.382(b)).
 - ii. The opacity standard set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction (40 CFR Part 60.11(c)).
 - iii. At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate **PF1.050** including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions (40 CFR Part 60.11(d)).

3. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Operating Parameters
 - a. The maximum allowable throughput rate for **PF1.049** and **PF1.050** combined will not exceed **1000.0** tons of as fed ore per any one-hour period as specified in **Section VII.B.2** of this operating permit.
 - b. The maximum annual throughput rate for **PF1.049** and **PF1.050** combined will not exceed **3,000,000.0** tons of as fed ore per year, based on a 12-month rolling period, as specified in **Section VII.B.2** of this operating permit.
 - c. Hours
PF1.050, may operate **8760** hours per year.



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Section VI. Specific Operating Conditions (continued)

CI2. Emission Units # PF1.050 (continued)

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

a. Monitoring, Record keeping and Compliance

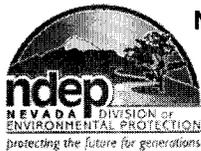
The Permittee, upon issuance of this operating permit will:

- i. Monitor and record the throughput rate of as fed ore for **PF1.050** as the bucket loads at **PF1.050** on a daily basis.
- ii. Monitor and record the hours of operation for **PF1.050**, on a daily basis.
- iii. Monitor and record the throughput rate of as fed ore for **PF1.050**, on a cumulative monthly basis, for each 12-month rolling period.
- iv. Conduct and record a weekly visible emission inspection on **PF1.050**; record the time of the survey and indicate whether any visible emission that is not normal for the process, was observed. If any visible emissions are observed, conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. The Method 9 visible emissions test will be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A, Method 9.
- v. The required monitoring established in (i.) through (iv.) 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 **PF1.050** are operating:
 - a. The calendar date of any required monitoring.
 - b. The total daily throughput rate of as fed ore, in tons, for the corresponding date.
 - c. The total daily hours of operation for the corresponding date.
 - d. The corresponding average hourly throughput rate of as fed ore, in tons per hour. The average hourly throughput rate will be determined from the daily throughput rate and the total daily hours of operation recorded in (b) and (c) above.
 - e. The cumulative monthly throughput rate of as fed ore, for each 12-month rolling period.
 - f. Results and verification of the weekly visible emissions survey, and documentation of any Method 9 visible emission tests that were undertaken, including all documents required under 40 CFR Part 60, Appendix A.

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

Shielded Requirements

No Shielded Requirements



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Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section VII. Emission Caps

A. Cap for Emission Units S2.120 - S2.156 (Roaster “Umbrella” Units)

1. Emission Limits

When operating under the provisions of Part A of this Section, the emission limits and fuel consumption limits specified in AP.2 of Section VI of this operating permit do not apply for those pollutants limited under this paragraph. On and after the date of startup of S2.120 - S2.156, S2.120A – S2.156A, and during periods specified by Permittee as operating under the provisions of Part A of this Section, the permittee will not discharge or cause the discharge into the atmosphere from S2.120 – S2.156 combined, the following pollutants in excess of the following specified limits:

- a. The combined discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed more than 129.54 tons per year, based on a 12-month rolling period.
- b. The combined discharge of PM (particulate matter) to the atmosphere will not exceed more than 129.54 tons per year, based on a 12-month rolling period.
- c. The combined discharge of SO₂ (sulfur dioxide) to the atmosphere will not exceed more than 218.61 tons per year, based on a 12-month rolling period.
- d. The combined discharge of NO_x (nitrogen oxides) to the atmosphere will not exceed more than 214.80 tons per year, based on a 12-month rolling period.
- e. The combined discharge of CO (carbon monoxide) to the atmosphere will not exceed more than 97.10 tons per year, based on a 12-month rolling period.
- f. The combined discharge of VOC (volatile organic compounds) to the atmosphere will not exceed more than 35.39 tons per year, based on a 12-month rolling period.

2. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee shall demonstrate compliance with the annual emissions cap in Section VII.A.1. a. through f. of this operating permit by multiplying the most recent tested pound per hour emission rate as established in Sections VI. AP. through Sections VI. AX., by the operating hours per day for S2.120 – S2.156 to obtain a daily emission rate in units of pounds per day. Permittee shall then add the pounds per day for S2.120 – S2.156 each day to get a monthly total in pounds per month. Permittee shall then convert the monthly emission rate to units of tons per month. Permittee shall total the emission rates from all stacks for a cumulative monthly total (in tons); then the Permittee shall add the cumulative monthly total (in tons) to that of the previous 11 months cumulative total (in tons) to obtain a rolling 12-month emission total.

B. Cap for Emission Units PF1.049 and PF1.050 (System 87a and System 87b)

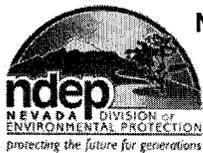
1. Emission Limits

On and after the date of startup of PF1.049 and PF1.050, and during periods specified by Permittee as operating under the provisions of Part B of this Section, the permittee will not discharge or cause the discharge into the atmosphere from PF1.049 and PF1.050 combined, the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 *Part 70 Program* - The combined discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.65 pound per hour, nor more than 0.97 ton per year, based on a 12-month rolling period
- b. NAC 445B.305 *Part 70 Program* - The combined discharge of PM (particulate matter) to the atmosphere will not exceed 1.37 pounds per hour, nor more than 2.06 tons per year, based on a 12-month rolling period.

2. Monitoring, Recordkeeping, Reporting and Compliance

- a. Permittee shall demonstrate compliance with the hourly emissions cap in Section VII.B.1. a. through b. of this operating permit by ensuring that the hourly throughput limit of 1000 tons/hr is not exceeded for PF1.049 and PF1.050 combined.
- b. Permittee shall demonstrate compliance with the annual emissions cap in Section VII.B.1. a. through b. of this operating permit by ensuring that the annual throughput limit of 3,000,000 tons/yr is not exceeded for PF1.049 and PF1.050 combined.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0002

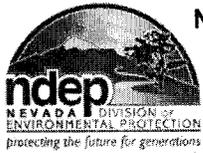
Permit No. AP1041-0793.01

CLASS I AIR QUALITY OPERATING PERMIT SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

Section X. Amendments

- April 15, 2004 – Minor Revision Application received on February 24, 2004: Added Systems 03a., 03b., & 03c. – Reagent Mix Tanks 1, 2 & 3 for the New Flotation Circuit at Mill 5.
- November 7, 2006 – Minor Revision Application (Aircase # 07AP0043) received on July 24, 2006: Increased discharge rate from two lime silos (Systems 63 & 65) and revised PM and PM₁₀ emission rates for Systems 62 & 64 resulting in an increase of PM emissions of 0.24 ton per year and an increase of PM₁₀ emissions of 0.08 ton per year. Removed Systems 22, 23, 24, 27, 28, 29, 30, 31 & 32 as these systems were never constructed.
- March 26, 2007 – Minor Revision Application (Aircase # 07AP0216) received on December 14, 2006: Increased annual fuel usage rate for Acid Plant Start-up Heater (System 45) resulting in annual emissions increases of the following pollutants as follows: PM₁₀ = 0.55 tpy, SO₂ = 0.39 tpy, NO_x = 5.59 tpy, CO = 1.40 tpy, VOC = 0.22 tpy.
- December 6, 2007 – Minor Revision Application (Aircase # 08AP0040) received on July 30, 2007: Removed two mercury retort furnaces (S2.046.1 and S2.046.2; Added an Underground Metal Removal Plant resulting in annual emissions increases as follows: PM = 6.28 tpy, PM₁₀ = 4.4 tpy.
- March 19, 2008 – Amend Systems 85, 86, and 87, Underground Ore Metal Removal Plant, to add location East 567.391 km, North 4,515.220.
- March 12, 2009 – Minor Revision Application (Aircase # 09AP0139). Add Systems 4A-11A-12A-19A-41A. Revise VOC emissions limits for System 72-73. Revise hourly emission limits, hourly throughput, and annual operating hours for System 81. Annual emissions increases: PM = 12.39 tpy, PM₁₀ = 4.46 tpy, VOC = 19.22 tpy.
- August 24, 2009 – Minor Revision Application (Aircase # 09AP0291). Add System 88 – Phoenix Prep Room Laboratory Crusher System. Annual emissions increases: PM = PM₁₀ = 2.86 tpy.
- October 1, 2009 – Administrative Amendment (Aircase # 10AP0082), The address for Newmont Mining Corporation has changed from P.O. Box 669, Carlin, NV 89822 to 1655 Mountain City Highway, Elko, NV 89801.
- November 23, 2009 – Open Permit/Revision (Aircase # 10AP0101). Open air permit and correct typographical errors. Change S2.220 to S2.224 (System 4A), change S2.221 to S2.225 (System 11A), change PF1.048 to PF1.051 (System 12A), change PF1.049 to PF1.052 (System 19A).
- January 22, 2010 – Change of Location (Aircase #10AP0127). Revise locations for System 83 to 567.652 km E, 4514.806 km N; revise locations for Systems 85, 86 and 87, to 567.700 km E, 4515.362 km N.
- January 26, 2011 – Minor Revision Application (Aircase #10AP0177). Revise System 81 – remove flux mixer (S2.040), add riffle splitter (S2.232). No increase in emissions.
- November 1, 2011 – Change of Location (Aircase #12AP0152). Additional location for Systems 11 and 12 (North 4513.237 km, East 569.462 for System 11, and North 4513.239 km, East 569.464 km for System 12). New location for System 04 (North 4515.586 km, East 566.392 km).
- April 30, 2012, Aircase 12AP0239: (1) construct a shotcrete plant with associated silo at the Chukar Underground Mine; (2) remove System 04A from permit.
- July 24, 2012 Minor Revision Application (Aircase # 12AP0351) – Addition of System 99 Met Lab Bucking Room
- August 29, 2012 Change of Location (Aircase #7114) Additional location for Systems 01, 02, 11, 12 and 16. (North 4512.57 km, East 569.62 km)
- May 15, 2013 Minor Revision Application (Aircase #7402) – Replacement of Wet Scrubber in System 3, removed S2.013 – Lime Silo Unloading, from System 03, since the silo is no longer in use. Changed the Wet Scrubber designation from 2300-DC-02 to 2300-DC-03.
- July 17, 2013 Change Location (Aircase #7565) Additional location for Systems 11 and 12 (North 4514.21 km, East 570.18 km)
- October xx, 2013 Minor Revision Application (Aircase #7542) – Annual throughput increase requested for Systems 85 and 87 from 1,500,000 tons/yr to 3,000,000 tons/yr; PM/PM₁₀ yearly emissions increased due to this increase; NAC445B.22033 calculated incorrectly for System 86 previously, the corrected maximum allowable emission rate included with this revision. System 87 has been split into two separate System (System 87a and System 87b) and is now subject to an emissions cap set for in Section VII.B.



BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0002

Permit No. AP1041-0793.01

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

Issued to: Newmont Mining Corporation – Gold Quarry Operations Area, hereinafter called the permittee

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 after the issuance date of February 25, 2004 NAC 445B.315) Part 70 Program**
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 180 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: February 25, 2009

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

Phone: (775) 687-9475 **Date:** October xx, 2013

Rm Revised: 4/15/2004, 11/07/2006, 3/26/2007, 12/6/2007, 3/19/2008
sas 5/2012, 05/2013, 07/2013, 10/2013
Rp 3/12/2009, 8/24/2009, 11/23/2009
Ja 10/01/2009
gm 1/22/2010, 1/26/2011, 11/1/2011, 4/30/2012