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

BUREAU OF AIR POLLUTION CONTROL

Facility ID No. A0002 *Permit No.* AP1041-0793

CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: NEWMONT MINING CORPORATION – GOLD QUARRY OPERATIONS AREA
Mailing Address: 1655 MOUNTAIN CITY HIGHWAY, ELKO, NEVADA 89801
Physical Address: 6 MILES NORTHWEST OF CARLIN, NEVADA; OFF OF S.R. 766 (INTERSTATE 80, EXIT 280)
General Facility Location: T33N & 34N, R51E & 52E; Section 13,
T35N, R50E & 51E; Sections 19, 29, 30 & 32
MDB&M (HA 51)

EMISSION UNIT LIST:

Met Lab Bucking Room (added July 2012)

CU. System 99 – Met Lab Bucking Room

S	2.239	Secondary Crusher (856-CR-110)
S	2.240	Secondary Crusher (856-CR-111
S	2.241	Tertiary Crusher (856-CR-115)
S	2.242	Ball Mill (856-ML-114)

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

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

Section VI. Specific Operating Conditions (continued)

CU. Emission Unit #'s S2.231 – S2.234 location North 4514.948 km, East 568.637 km, UTM (Zone 11)

CU. System 99 – Met Lab Bucking Room		
S	2.239	Secondary Crusher (856-CR-110)
S	2.240	Secondary Crusher (856-CR-111)
S	2.241	Tertiary Crusher (856-CR-115)
S	2.242	Ball Mill (856-ML-114)

1. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Air Pollution Equipment
   Emissions from **S2.231 – S2.234** shall be ducted to a control system consisting of a Baghouse (856-DC-150) with 100% capture and a maximum volume flow rate of 13,500 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 **S2.231 – S2.234,** the permittee will not discharge or cause the discharge into the atmosphere from the exhaust stack of Baghouse (856-DC-150), the following pollutants in excess of the following specified limits:
      i. NAC 445B.305 *Part 70 Program* - The discharge of PM_{10} (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 1.16 pound per hour, nor more than 5.07 tons per year, based on a 12-month rolling period. This limit is less than the 5.38 pounds per hour maximum allowable emission limit as determined from NAC 445B.22033 and the maximum allowable throughput as limited by CU.3.a. of this section.
      ii. NAC 445B.305 *Part 70 Program* - The discharge of PM (particulate matter) to the atmosphere will not exceed 1.16 pound per hour, nor more than 5.07 tons per year, based on a 12-month rolling period.
      iii. NAC 445B.22017 *(Federally Enforceable SIP Requirement)* – The opacity from the exhaust stack of Baghouse (856-DC-150) will not equal or exceed 20%.

3. NAC 445B.3405 (NAC 445B.316) *Part 70 Program*
   Operating Parameters
   a. The maximum allowable loading rate for **S2.231 – S2.234** will not exceed 1.5 tons of ore per any one-hour period.
   b. Hours
      S2.231 – S2.234 may operate a total of 8760 hours per year.

Added July 24, 2012

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

Section VI. Specific Operating Conditions (continued)

CU. Emission Unit #'s S2.231 – S2.234 (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 loading rate of ore, in tons for **S2.231 – S2.234** each day loading occurs.
      ii. Monitor and record the hours of operation for **S2.231 – S2.234** each day loading occurs.
      iii. Record and verify that any maintenance work on the **Baghouse (856-DC-150)** is performed in accordance with the manufacturer's and/or the permittee's maintenance guidelines.
      iv. Conduct and record an annual check of all bags contained in **Baghouse (856-DC-150)**.
      v. Conduct and record a monthly visible emission survey of **Baghouse (856-DC-150)**; record the time of the survey and indicate whether any visible emissions were observed. If no visible emissions are observed during the survey of **Baghouse (856-DC-150)**, then no further observations are required. 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.
      vi. Conduct and record a weekly reading of differential pressure on **Baghouse (856-DC-150)** and verify that the differential reading is within the range established by the manufacturer.
      vii. The required monitoring established in (i.) through (vi.) 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 **S2.231 – S2.234** is operating:
         (a) The calendar date of any required monitoring.
         (b) The total daily loading of ore, in tons, for the corresponding date.
         (c) The total daily hours of operation for the corresponding date.
         (d) The corresponding average hourly loading of ore, 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 (c) above.
         (e) Results and verification of the monthly 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.
         (f) The results of the weekly differential pressure readings for **Baghouse (856-DC-150)**.
         (g) Records and results of the annual check of bags contained in **Baghouse (856-DC-150)**.

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

   No Shielded Requirements

Added July 24, 2012

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

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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 PM_{10} emission rates for Systems 62 & 64 resulting in an increase of PM emissions of 0.24 ton per year and an increase of PM_{10} 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 useage rate for Acid Plant Start-up Heater (System 45) resulting in annual emissions increases of the following pollutants as follows: PM_{10} = 0.55 tpy, SO_2 = 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, PM_{10} = 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, PM_{10} = 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 = PM_{10} = 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, 2012Minor Revision Application (Aircase # 12AP0351) – Addition of System 99 Met Lab Bucking Room

This permit:

1. **Is non-transferable. (NAC 445B.287.4) *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 and 3443.1) *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.3443.2) *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: July 24, 2012

Rm
Revised: 4/15/2004, 11/07/2006, 3/26/2007, 12/6/2007, 3/19/2008 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
sas
5/2012