



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 • f: 775-687-6396

Facility ID No. A0003

Permit No. AP1041-0723.02

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, hereafter called the Permittee

Mailing Address: P. O. BOX 69; GOLCONDA, NEVADA 89414

Physical Address: 35 MILES NORTHEAST OF GOLCONDA, NEVADA

General Facility Location: T39N, R42E, Section 12, 13, 24, 25 & 36

T38N, R43E, Section 4, 5, 9 & 15

T39N, R43E, Section 4-10, 15-22 & 28-33

T40N, R43E, Section 31 & 32 MDB&M (HA 66)

EMISSION UNIT LIST:

JUNIPER MILL OPERATIONS

A. System 01 – Primary Crushing Circuit (Removed during permit renewal as requested by permittee)

B. System 02 – Juniper Mill Circuit Conveying System

PF 1.006 Ore Hopper; manufactured by Selway, 50 cubic yard model

PF 1.007 Apron Feeder; manufactured by Nico, model # FD4488, serial # 875

PF 1.008 Belt Conveyor (No. 3 prior to the SAG Mill); manufactured by Selway, 24" x 226' model

C. System 03 – Juniper Mill Induction Furnaces

S 2.001 Inductotherm Furnace; serial # 750-72010-3-87

S 2.001.1 Inductotherm Furnace; serial # not provided by Source

D1. System 04A – Juniper Mill Carbon Kiln, drum

S 2.002 Carbon Reactivation Kiln; manufactured by Lockheed Haggerty, model & serial # not provided by Source; Drum Wet Scrubber Stack

D2. System 04B – Juniper Mill Carbon Kiln, burner

S 2.003 Carbon Reactivation Kiln; manufactured by Lockheed Haggerty, model & serial # not provided by Source; Burner Stack

E1. System 05A – Mercury Retort Circuit - Removed during Minor Revision in June 2010

S 2.004 Mercury Retort; manufactured by Lockheed Haggerty, model # 13053, serial # 171-64a

E2. System 05B – Mercury Retort Circuit- Removed during Minor Revision in June 2010

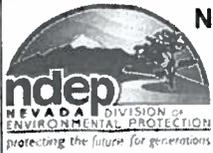
S 2.005 Mercury Retort; manufactured by Lockheed Haggerty, model # 13053, serial # 171-64b

E3. System 05C – Mercury Retort Circuit- Removed during Minor Revision in June 2010

S 2.005.1 Mercury Retort; manufactured by Lockheed Haggerty, model # 13053, serial # not provided by Source

E4. System 05D – Mercury Retort Circuit- Removed during Minor Revision in June 2010

S 2.005.2 Mercury Retort; manufactured by Lockheed Haggerty, model # 13053, serial # not provided by Source



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JUNIPER MILL OPERATIONS (CONTINUED)

F. System 06 – Laboratory Sample Preparation Circuit

- S2.006 *Removed from Permit during Minor Revision in April 2012*
- S2.007 *Removed from Permit during Minor Revision in April 2012*
- S2.007.1 Jaw Crusher/Rotary Splitter; manufactured by Rocklab, model # 104610051, serial # 1203
- S2.008 Laboratory Drying Oven; manufactured by Despatch, model # PW B2-52-1E, serial # 138081
- S2.009 Laboratory Drying Oven; manufactured by Despatch, model #PW B2-52-1E, serial # 143754
- S2.010.1 Pulverizer; manufactured by Despatch, model # 800304, serial # 216896
- S2.010.2 Pulverizer; manufactured by Despatch, model # 800314, serial # 209276A
- S2.011 *Removed from Permit during Minor Revision in April 2012*
- S2.046 Laboratory Jaw Crusher; manufactured by Bisco, model Badger, serial # 71609- Added during Minor Revision in June 2010
- S2.047 Jaw Crusher/Rotary Splitter, manufactured by Rocklab, model # 10461009, serial # 2243 – *Added during Minor Revision in April 2012*
- S2.048 Laboratory Drying Oven, manufactured by Despatch, model # TDF2-52-1E, serial # 183534 – *Added during Minor Revision in April 2012*
- S2.049 Pulverizer, manufactured by Herzog, model # HP-M1500, serial # MA13206-1-1 – *Added during Minor Revision in April 2012*
- S2.050 Pulverizer, manufactured by Herzog, model # HP-M1500, serial # MA13367-1-1 – *Added during Minor Revision in April 2012*

G. System 07 – Laboratory Assay Furnaces

- S 2.012 Laboratory Assay Furnace; model # 810-8, serial # 681
- S 2.013 Laboratory Assay Furnace; model # C1632SP, serial # 682
- S 2.014 Laboratory Assay Furnace; model # unknown, serial # 577
- S 2.015 Laboratory Assay Furnace; model # unknown, serial # 578
- S 2.016 Laboratory Assay Furnace; model # unknown, serial # 9101

H. System 08 – Juniper Mill Lime Silo

- S 2.017 Lime Storage Silo Loading; manufactured by Peabody Techtank, model # unknown, serial # 6100
- PF 1.009 Lime Storage Silo Discharge; manufactured by Peabody Techtank, model # unknown, serial # 6100

I1. System 09A – Juniper Mill Package Boilers – Firetube

- S 2.018 Package Boiler-Firetube; manufactured by Cleaver-Brooks, model # CB-200-150, serial # OL-082930

I2. System 09B – Juniper Mill Package Boilers – Firetube

- S 2.019 Package Boiler-Firetube; manufacturer, model and serial #'s not provided by Source



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PIÑON MILL OPERATIONS

J. System 10 – Piñon Mill Conveying Circuit (Removed during permit renewal as requested by permittee)

K. System 11 – Piñon Mill Lime Silo (Removed during permit renewal as requested by permittee)

L. System 12 – Piñon Mill Carbon Regeneration Kiln (Removed during permit renewal as requested by permittee)

SAGE MILL OPERATIONS

M. System 13 – Sage Mill Ore Handling Circuit

- PF 1.014 Fabricated Ore Hopper; manufacturer, model and serial #'s not provided by Source
- PF 1.015 Fabricated Ore Hopper; manufacturer, model and serial #'s not provided by Source
- PF 1.016 Apron Feeder 1; manufactured by Nico, model and serial #'s not provided by Source
- PF 1.017 Apron Feeder 2; manufactured by Nico, model and serial #'s not provided by Source
- PF 1.018 Apron Feeder 1 to Conveyor; 60-inch width, model and serial #'s not provided by Source
- PF 1.019 Apron Feeder 2 to Conveyor; 60-inch width, model and serial #'s not provided by Source

N1. System 14A – Sage Mill Autoclaves – Primary Operating Scenario

- S 2.023 Autoclave; manufactured by Eaton Metals, model and serial #'s not provided by Source

N2. System 14B – Sage Mill Autoclaves – Primary Operating Scenario

- S 2.024 Autoclave; manufactured by Eaton Metals, model and serial #'s not provided by Source

O1. System 14C – Sage Mill Autoclaves – Alternative Operating Scenario

- S 2.023A Autoclave; manufactured by Eaton Metals, model and serial #'s not provided by Source

O2. System 14D – Sage Mill Autoclaves – Alternative Operating Scenario

- S 2.024A Autoclave; manufactured by Eaton Metals, model and serial #'s not provided by Source

P1. System 15A – Sage Mill Steam Generators

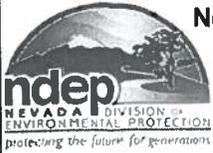
- S 2.025 Steam Generator; manufactured by Cleaver Brooks, model # 1-D68RH, serial #' unknown

P2. System 15B – Sage Mill Steam Generators

- S 2.026 Steam Generator; manufactured by Cleaver Brooks, model # 1-D68RH, serial #' unknown

Q1. System 16A – Sage Mill Lime Silos

- S 2.027 Lime Storage Silo Loading; manufacturer, model and serial #'s not provided by Source
- PF 1.019 Lime Storage Silo Discharge; manufacturer, model and serial #'s not provided by Source



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SAGE MILL OPERATIONS (CONTINUED)

Q2. System 16B – Sage Mill Lime Silos

- S 2.028 Lime Storage Silo Loading; manufacturer, model and serial #'s not provided by Source
- PF 1.020 Lime Storage Silo Discharge; manufacturer, model and serial #'s not provided by Source

R1. System 17A – Sage Mill Lime Storage Silo Bulk Unloading System (Truck Unloading)

- PF 1.021 Truck Unloading to Drop Hopper # 1; manufacturer, model and serial #'s not provided by Source

R2. System 17B – Sage Mill Lime Storage Silo Bulk Unloading System (Truck Unloading)

- PF 1.022 Truck Unloading to Drop Hopper # 2; manufacturer, model and serial #'s not provided by Source

S. System 18 – Sage Mill Lime Storage Silo Bulk Unloading System # 1

- S 2.029 Hopper # 1 transfer to A.J. Sackett & Sons Bulk Tote Conveyor # 1
- S 2.030 Conveyor # 1 transfer to A.J. Sackett & Sons Bulk Tote Conveyor # 3
- S 2.031 Conveyor # 3 transfer to A.J. Sackett & Sons Elevator # 1
- S 2.032 Elevator # 1 transfer to Juniper/Sage Mill Lime Silo # 1

T. System 19 – Sage Mill Lime Storage Silo Bulk Unloading System # 2

- S 2.033 Hopper # 2 transfer to A.J. Sackett & Sons Bulk Tote Conveyor # 2
- S 2.034 Conveyor # 2 transfer to A.J. Sackett & Sons Bulk Tote Conveyor # 4
- S 2.035 Conveyor # 4 transfer to A.J. Sackett & Sons Elevator # 2
- S 2.036 Elevator # 2 transfer to Juniper/Sage Mill Lime Silo # 2

U. System 20 – Oxygen Plant Vaporizer

- S 2.037 Oxygen Plant Vaporizer boiler; manufacturer Cryo-Quip or equivalent, model and serial #'s not provided by Source

V. System 21 – Oxygen Plant Vaporizer

- S 2.038 Oxygen Plant Vaporizer boiler; manufacturer, model and serial #'s not provided by Source

W. System 22 – Oxygen Plant Cooling Tower

- S 2.039 Oxygen Plant two-cell counterflow Cooling Tower (Model & Serial Numbers not provided by Facility)

X. System 23 – Sage Mill Cooling Tower

- S 2.040 Sage Mill two-cell counterflow Cooling Tower (Model & Serial Numbers not provided by Facility)

MINE OPERATIONS

Y. System 24 – Snowstorm & Sonoma Pad Lime Silo

- S 2.041 Lime Storage Silo Loading; manufactured by The Conveyor Co., model # SS-BC-36, serial # 710-91
- PF 1.023 Lime Storage Silo Discharge; manufactured by The Conveyor Co., model # SS-BC-36, serial # 710-91



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MINE OPERATIONS (CONTINUED)

Z. System 25 – Izenhood Pad Lime Silo

- S 2.042 Lime Storage Silo Loading; manufactured by Texmarc Conveyor Co., model # TCC-4000, serial # unknown
- PF 1.024 Lime Storage Silo Discharge; manufactured by Texmarc Conveyor Co., model # TCC-4000, serial # unknown

AA. System 26 – Osgood Pad Lime Silo

- S 2.043 Lime Storage Silo Loading; manufacturer, model and serial #'s not provided by Source
- PF 1.025 Lime Storage Silo Discharge; manufacturer, model and serial #'s not provided by Source

AB. System 27 – Double Deck Screen

- PF 1.026 Double Deck Screen & transfer to Conveyors; manufactured by Finlay, model # 40/30, serial # 9A-0504
- PF 1.027 Conveyor drop point
- PF 1.028 Conveyor drop point
- PF 1.029 Conveyor drop point

AC. System 28 – Diesel Fuel Storage Tank

- PF 1.030 Diesel Fuel Storage Tank; manufactured by Rocky Mountain Fabrications, serial # C-2334 (100,000 gallons)

AD. System 29 – Diesel Fuel Storage Tank

- PF 1.031 Diesel Fuel Storage Tank; manufactured by Pitt Des Moines Inc., model and serial #'s not provided by Source (92,000 gallons)

JUNIPER MILL OPERATIONS

AE. System 30 – Mercury Retort Furnace - A

- S 2.044 Mercury Retort Furnace - A; manufactured by Lockhead & Haggerty, Model MR-15E, serial # N/A

AF. System 31 – Mercury Retort Furnace - B

- S 2.045 Mercury Retort Furnace - B; manufactured by Lockhead & Haggerty, Model MR-15E, serial # N/A

VISTA UNDERGROUND SHOTCRETE PLANT

AG. System 32A – Vista Underground Shotcrete Plant: Vista Underground Silo Loading

- S 2.051 Lime/Cement/Flyash Silo Loading; manufacturer, model #, and serial # not provided by Source - *Added during Minor Revision in September 2013*

AH. System 32B – Vista Underground Shotcrete Plant: Vista Underground Lime/Cement/Flyash

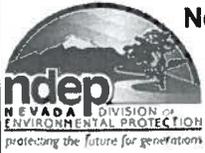
- PF 1.032 Lime/Cement/Flyash Silo Discharge to Hopper C-1; manufacturer, model #, and serial # not provided by Source - *Added during Minor Revision in September 2013*

AI. System 32C – Vista Underground Shotcrete Plant: Vista Underground Aggregate Loading

- PF 1.033 Coarse/Fine Aggregate Loading to Hopper C-3; manufacturer, model #, and serial # not provided by Source - *Added during Minor Revision in September 2013*

AJ. System 32D – Vista Underground Shotcrete Plant: Vista Underground Aggregate Hopper

- PF 1.034 Hopper C-3 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger; manufacturer, model #, and serial # not provided by Source - *Added during Minor Revision in September 2013*



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

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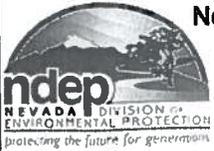
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VISTA UNDERGROUND SHOTCRETE PLANT (CONTINUED)

AK. System 32E – Vista Underground Shotcrete Plant: Vista Underground Lime/Cement/Flyash Hopper

PF 1.035 Lime/Cement/Flyash Hopper C-1 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger; manufacturer, model #, and serial # not provided by Source - Added during Minor Revision in September 2013

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



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Section I. General Conditions

A. Nevada Administrative Code (NAC) 445B.315.3.(c) Part 70 Program

Severability

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. Nevada Revised Statute (NRS) 445B.470.1 State Only Requirement

Prohibited Acts

The 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 NRS 445B.470 to 445B.640, inclusive, or any regulation adopted pursuant to those provisions.

C. NAC 445B.22013 State Only Requirement

Prohibited Discharge

The Permittee shall not cause or permit the discharge into the atmosphere from any stationary source of any hazardous air pollutant or toxic regulated air pollutant that threatens the health and safety of the general public, as determined by the Director.

D. NAC 445B.225 Federally Enforceable SIP Requirement

Prohibited Conduct: Concealment of Emissions

No person may install, construct or use any device which conceals any emission without reducing the total release of regulated air pollutants to the atmosphere.

E. NAC 445B.315.3.(d) Part 70 Program

Compliance/Noncompliance

The 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. Modifying, revoking, reopening and revising, or terminating the Operating Permit; or
3. Denial of an application for a renewal of the Operating Permit.

F. NAC 445B.273.1 State Only Requirement

Schedules for Compliance

The Permittee shall comply with NAC 445B.001 through 445B.3689, inclusive. Existing stationary sources are in compliance with those sections and may continue to operate under the provisions of their approved compliance schedules, which may be amended from time to time.



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Section I. General Conditions (continued)

G. NAC 445B.326.1 Part 70 Program

Assertion of Emergency as Affirmative Defense to Action for Noncompliance

The 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 occurred as defined in NAC 445B.056, 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. The holder of the Operating Permit 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.

H. NAC 445B.315.3.(e) Part 70 Program

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.

I. NAC 445B.315.3.(f) Part 70 Program

The Director may revise, revoke and reissue, reopen and revise, or terminate the operating permit for cause.

J. NAC 445B.325 Part 70 Program

Termination, reopening and revision, modification, and revocation and reissuance

1. A Class I operating permit must be reopened and revised to incorporate any additional applicable requirement adopted pursuant to the Act if, on the effective date of the applicable requirement, the operating permit has a remaining term of 3 or more years. The reopening must be completed no later than 18 months after the effective date of the applicable requirement.
2. An operating permit may be terminated, reopened and revised, modified, or revoked and reissued if:
 - a. The Director or the Administrator determines that the operating permit contains a material mistake or is based on inaccurate statements;
 - b. The Director or the Administrator determines that the operating permit, as written, does not ensure compliance with all applicable requirements; or
 - c. The Director determines that there has been a violation of any of the provisions of NAC 445B.001 to 445B.3689, inclusive, any applicable requirement, or any condition contained in the operating permit.

K. NAC 445B.3265 State Only Requirement

Revocation and reissuance

1. The Permittee's operating permit may be revoked if the control equipment is not operating.
2. The Permittee's 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 Part 52.21, or 40 CFR Part 60 or 61, Prevention of Significant Deterioration, New Source Performance Standards, and National Emission Standards for Hazardous Air Pollutants adopted by reference in NAC 445B.221.
3. The revocation is effective 10 days after the service of a written notice, unless a hearing is requested.



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Section I. General Conditions (continued)

L. SIP 445.715 Federally Enforceable SIP Requirement

Operating Permits: Revocation

1. The Permittee's operating permit may be revoked if the control equipment is not operating.
2. The Permittee's operating permit can be revoked by the Director upon determination that there has been a violation of SIP 445.430 to 445.846, inclusive, or 40 CFR Parts 60 or 61, New Source Performance Standards and National Emissions Standards for Hazardous Air Pollutants.
3. The revocation is effective 10 days after the service of a written notice, and the revoked operating permit shall be surrendered immediately unless a hearing is requested.

M. NAC 445B.315.3.(g) Part 70 Program

This Operating Permit does not convey any property rights or any exclusive privilege.

N. NAC 445B.315.3.(h) Part 70 Program

The Permittee shall provide the Director, within a reasonable time, with any information that the Director requests in writing to determine whether cause exists for modifying, revoking and reissuing, reopening and revising or terminating this Operating Permit or to determine compliance with the conditions of this Operating Permit.

O. NAC 445B.315.3.(i) Part 70 Program

The 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.

P. NAC 445B.315.3.(j) Part 70 Program

Right to Entry

The Permittee shall allow the Bureau of Air Pollution Control staff, upon the presentation of credentials, to:

1. Enter upon the premises of the Permittee where:
 - a. The stationary source is located;
 - b. Activity related to emissions is conducted; or
 - c. Records are kept pursuant to the conditions of 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.

Q. NAC 445B.315.3.(k) Part 70 Program

A responsible official of the 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.

R. 40 CFR 52.21(r)(4) Federally Enforceable PSD Program

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



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Section I. General Conditions (continued)

S. NAC 445B.252 Testing and Sampling State Only Requirement

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 will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
 - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
 - b. Approves the use of an equivalent method;
 - 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 will 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.



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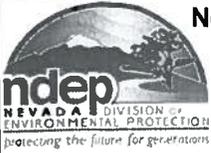
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Section I. General Conditions (continued)

T. SIP 445B.252 Testing and sampling Federally Enforceable SIP Requirement

1. To determine compliance with NAC 445B.001 to 445B.3497, 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 will be operated, but not later than 180 days after initial start-up of the facility and at such other times as may be required by the Director.
2. Tests of performance must be conducted and data reduced in accordance with the methods and procedures of the test contained in each applicable subsection of this section unless the Director:
 - a. Specifies or approves, in specific cases, the use of a reference method with minor changes in methodology;
 - 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.
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.



Bureau of Air Pollution Control

Facility ID No. A0003

Permit No. AP1041-0723.02

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section I. General Conditions (continued)

U. NAC 445B.22017 Federally Enforceable SIP Requirement

Visible Emissions: Maximum Opacity: Determination and Monitoring of Opacity.

1. Except as otherwise provided in this section and NAC 445B.2202, no owner or operator may cause or permit the discharge into the atmosphere from any emission unit which is of an opacity equal to or greater than 20 percent. Opacity must be determined by one of the following methods:
 - a. If opacity is determined by a visual measurement, it must be determined as set forth in Reference Method 9 in Appendix A of 40 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 C.F.R. §§ 60.13(h).
2. The provisions of this section and NAC 445B.2202 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.
3. If the provisions of 40 CFR Part 60, Subpart D or Da apply to an emission unit, the emission unit shall be allowed one 6-minute period per hour of not more than 27 percent opacity as set forth in 40 CFR § 60.42(a)(2) AND 40 CFR § 60.42a(b).
4. The continuous monitoring system for monitoring opacity at a facility shall be operated and maintained by the owner or operator specified in the permit for the facility in accordance with NAC 445B.256 to 445B.267, inclusive.

V. NAC 445B.22037 Federally Enforceable SIP Requirement

Emissions of Particulate Matter: Fugitive Dust

1. The Permittee may not cause or permit the handling, transporting, or storing of any material in a manner which allows or may allow controllable particulate matter to become airborne.
2. Except as otherwise provided in subsection 4, the Permittee may not cause or permit the construction, repair, demolition, or use of unpaved or untreated areas without first putting into effect an ongoing program using the best practical methods to prevent particulate matter from becoming airborne. As used in this subsection, "best practical methods" includes, but is not limited to, paving, chemical stabilization, watering, phased construction, and revegetation.
3. Except as provided in subsection 4, the Permittee may not disturb or cover 5 acres or more of land or its topsoil until The Permittee has obtained an Operating Permit for surface area disturbance to clear, excavate, or level the land or to deposit any foreign material to fill or cover the land.
4. The provisions of subsections 2 and 3 do not apply to:
 - a. Agricultural activities occurring on agricultural land; or
 - b. Surface disturbances authorized by a permit issued pursuant to NRS 519A.180 which occur on land which is not less than 5 acres or more than 20 acres.

W. NAC 445B.22067

Open Burning

The open burning of any combustible refuse, waste, garbage, oil, or for any salvage operations, except as specifically exempted, is prohibited. Specific exemptions from open burning are described in NAC 445B.22067.2.

X. NAC 445B.22087 State Only Requirement

Odors

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



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**CLASS I AIR QUALITY OPERATING PERMIT
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Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section I. General Conditions (continued)

- Y. NAC 445B.319, 445B.342, 445B.3425 and 445B.344 Part 70 Program
Any changes to this Operating Permit will comply with all provisions established under NAC 445B.319, 445B.342, 445B.3425 and 445B.344.

- Z. NAC 445B.3443 Part 70 Program
Renewal of this Operating Permit will be in accordance with NAC 445B.3443.

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



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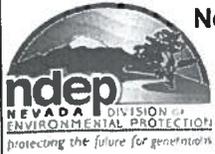
Section II. General Construction Conditions

- A. NAC 445B.250 Notification of planned construction or reconstruction Federally Enforceable SIP Requirement
Any owner or operator subject to the provisions of NAC 445B.001 to 445B.3689, inclusive, shall furnish the Director written notification of:
1. The date that construction or reconstruction of **S2.051 and PF1.032 – PF1.035** is commenced, postmarked no later than 30 days after such date. This requirement does not apply in the case of mass-produced facilities which are purchased in completed form.
 2. The anticipated date of initial start-up of **S2.051 and PF1.032 – PF1.035**, postmarked not more than 60 days and not less than 30 days before such date.
 3. The actual date of initial start-up of **S2.051 and PF1.032 – PF1.035**, postmarked within 15 days after such date.
- B. NAC 445B.3366 Part 70 Program
Expiration
This Operating Permit expires if construction is not commenced within 18 months after the date of issuance thereof or construction of the facility is delayed for 18 months after initiated.

Section IIA. Specific Construction Conditions

- A. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Initial Performance Test for Emission Units S2.051, PF1.032 – PF1.035 – Added August 2013
1. Emissions from **S2.051 and PF1.032 – PF1.035** shall be controlled as specified in Section VI of this operating permit.
 2. Within 60 days after achieving the maximum production rate at which **S2.051 and PF1.032 – PF1.035** will be operated, but no later than 180 days after initial startup, the Permittee shall conduct and record a Method 9 visible emissions test for opacity on the exhaust stacks of **S2.051 and PF1.032 – PF1.035** while operating. The total time of visible emission observations shall be 6-minutes (24 consecutive readings at 15-second intervals).
 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 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).
 4. The owner 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 (NAC 445B.252.4).
 5. Permittee shall comply with the requirements of Section I.S.3. through I.S.8 and I.T.3. through I.T.8. of this operating permit for performance testing.

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



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**CLASS I AIR QUALITY OPERATING PERMIT
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Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section III. General Operating Conditions

A. NAC 445B.227 Part 70 Program

Facilities Operation

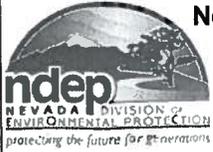
The Permittee may not:

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. NAC 445B.232 State Only Requirement

Excess Emissions

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. Each owner or operator shall notify the Director of any excess emissions within 24 hours after any malfunction or upset of the process equipment or equipment for controlling pollution or during start-up or shutdown of that equipment.
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.



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Section III. General Operating Conditions

C. SIP 445.667 Federally Enforceable SIP Requirement

Excess Emissions: Scheduled Maintenance; Testing; Malfunctions

1. Scheduled maintenance or testing approved by the Director or repairs which may result in excess emissions of air contaminants prohibited by SIP 445.430 to 445.846, inclusive, must be performed during a time designated by the Director as being favorable for atmospheric ventilation.
2. The Director shall be notified in writing of the time and expected duration at least 24 hours in advance of any scheduled maintenance or repairs which may result in excess emissions of air contaminants prohibited by NAC 445.430 to 445.846, inclusive.
3. The Director must be notified within 24 hours after any malfunction, breakdown or upset of process or pollution control equipment or during startup of such equipment. Phone (775) 687-9350.
4. The owner or operator of an affected facility shall provide the Director, within 15 days after any malfunction, breakdown, upset, startup or human error sufficient information to enable the Director to determine the seriousness of the excess emissions. The submission must include as a minimum:
 - a. The identity of the stack and/or other emission point where the excess emission occurred.
 - b. The estimated magnitude of the excess emissions expressed in opacity or in the units of the applicable emission limitation 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, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of the malfunctions.
 - f. The steps taken to limit the excess emissions.
 - g. Documentation that the air pollution control equipment, 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.

D. SIP Article 2.5.4 Federally Enforceable SIP Requirement

1. 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*******



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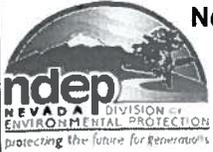
**CLASS I AIR QUALITY OPERATING PERMIT
GENERAL OPERATING REQUIREMENTS**

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section IV. Federal Regulations and Applicable Requirements

- A. The following provisions are applicable requirements of this Operating Permit:
1. The Permittee will comply with all applicable provisions of:
 - a. 40 CFR Part 60.1 - 60.19 - Standards of Performance for New Stationary Sources - General Provisions;
 - b. 40 CFR Part 61.01 - 61.19 - National Emission Standards for Hazardous Air Pollutants - General Provisions;
 - c. 40 CFR Part 61.140 - 61.157 - National Emission Standard for Asbestos;
 - d. 40 CFR Part 63.1 - 63.15 - National Emission Standards for Hazardous Air Pollutants for Source Categories - General Provisions;
 - e. 40 CFR Part 70 - State Operating Permit Programs.
 2. This provision is applicable if the Permittee is subject to 40 CFR Part 68 - Chemical Accident Prevention Provisions. The Permittee shall submit a risk management plan (RMP) by dates specified in 40 CFR 68.10. The Permittee shall certify compliance with these requirements as part of the annual compliance certification as required by 40 CFR Part 70.
 3. This provision is applicable if the Permittee is subject to 40 CFR Part 82. The Permittee will comply with all provisions of 40 CFR Part 82. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156. Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR 82.158. Persons performing maintenance, service, repair or disposal of appliances must be certified by a certified technician pursuant to 40 CFR 82.161.

*******End of Federal Regulations and Applicable Requirements*******



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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section V. General Monitoring, Recordkeeping, and Reporting Requirements

A. NAC 445B.315.3.(b) Part 70 Program

The 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. NAC 445B.3405.1.(d) Part 70 Program

The Permittee will record:

1. Monitoring information required by the conditions of this permit including the date, the location and the time of the sampling or the measurements and the operating conditions at the time of the sampling or measurements; and
2. The date on which the analyses were performed, the company that performed them, the analytical techniques that the company used, and the results of such analyses.

C. NAC 445B.3405.1.(e) Part 70 Program

The Permittee will:

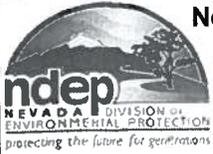
1. Promptly report to the Director all deviations from the requirements of this Operating Permit; and
2. Report to the Director the probable cause of all deviations and any action taken to correct the deviations. For this Operating Permit, prompt is defined as submittal of a report within 15 days of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

D. NAC 445B.315.3.(h) Part 70 Program

The Permittee will submit yearly reports including, but not limited to, throughput, production, fuel consumption, hours of operation, and emissions. These reports will 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, unless otherwise approved by the Bureau of Air Pollution Control.

E. NAC 445B.3405.1.(j) Part 70 Program

1. The Permittee will submit a compliance certification for all applicable requirements, reflecting the terms and conditions of the permit, to the Administrator of the Division of Environmental Protection and the Administrator of USEPA annually, on or before March 1 for the preceding calendar year. The compliance certification must include:
 - a. An identification of each term or condition of the Operating Permit that is the basis of the certification;
 - b. The status of the stationary source's compliance with any applicable requirement;
 - c. A statement of whether compliance was continuous or intermittent;
 - d. The method used for determining compliance; and
 - e. Any other facts the Director determines to be necessary to determine compliance.



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**CLASS I AIR QUALITY OPERATING PERMIT
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Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section V. General Monitoring, Recordkeeping, and Reporting Requirements
(continued)

F. NAC 445B.265 Federally Enforceable SIP Requirement

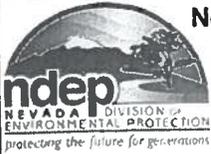
Monitoring systems: Records: Reports

1. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain records of the occurrence and duration of any start-up, shutdown or malfunction in the operation of an affected facility and any malfunction of the air pollution control equipment or any periods during which a continuous monitoring system or monitoring device is inoperative.
2. The Permittee required to install a continuous monitoring system shall submit a written report of excess emissions to the director for every calendar quarter. All quarterly reports must be postmarked by the 30th day following the end of each calendar quarter and must include the following information:
 - a. The magnitude of excess emissions computed in accordance with NAC 445B.256 to 445B.267, inclusive, any conversion factors used, and the date and time of commencement and completion of each time period of excess emissions.
 - b. Specific identification of each period of excess emissions that occurs during start-ups, shutdowns and malfunctions of the affected facility.
 - c. The nature and cause of any malfunction, if known, the corrective action taken or preventative measures adopted.
 - d. Specific identification of each period during which the continuous monitoring system was inoperative, except for zero and span checks, and the nature of any repairs or adjustments that were made.
 - (1) When no excess emissions have occurred and the continuous monitoring system has not been inoperative, repaired or adjusted, such information shall be included in the report.
3. The Permittee subject to the provisions of NAC 445B.256 to 445B.267, inclusive, shall maintain a file of all measurements, including:
 - a. Continuous monitoring systems, monitoring devices and performance testing measurements;
 - b. All continuous monitoring system performance evaluations;
 - c. All continuous monitoring systems or monitoring device calibration checks;
 - d. Adjustments and maintenance performed on these systems or devices; and
 - e. All other information required by NAC 445B.256 to 445B.267, inclusive, recorded in a permanent form suitable for inspection.
 - (1) The file shall be retained for at least 2 years following the date of the measurements, maintenance, reports and records.

G. NAC 445B.063 State-Only Requirement

The Department may use any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed, to determine excess emissions.

*******End of General Monitoring, Recordkeeping, and Reporting Requirements*******



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CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AG. Emission Unit #S2.051 Location North 4,570.62 km, East 486.26 km, UTM (Zone 11, NAD 83)

Table with 2 columns: S, 2.051 | Lime/Cement/Flyash Silo Loading

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. Emissions from S2.051 will be ducted to a control system consisting of a Baghouse with a 100% capture rate.

b. Descriptive Stack Parameters:

Table with 2 columns: Stack Height (ft): 65.62, Stack Diameter (ft): 0.92, Stack Temperature (°F): Ambient, Exhaust Flow (dscfm): 1,300

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

a. The maximum allowable throughput for S2.051 will not exceed 50.0 tons of Lime/Cement/Flyash per any one-hour period, nor more than 438,000.0 tons of Lime/Cement/Flyash per 12-month rolling period.

b. Hours
S2.051 may operate 8,760 hours per calendar year.

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

On and after the date of startup of S2.051, Permittee will not discharge or cause the discharge into the atmosphere from S2.051, the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 Part 70 Program – The discharge of PM (particulate matter) to the atmosphere will not exceed 0.45 pound per hour, nor more than 1.95 tons per year.
b. NAC 445B.305 Part 70 Program – The discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.25 pound per hour, nor more than 1.07 tons per year.
c. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 44.58 pound per hour in accordance with NAC 445B.22033.
d. NAC 445B.22017 Federally Enforceable SIP Requirement - The opacity from the S2.051 stack discharge will not equal or exceed 20% in accordance with NAC 445B.22017.



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CLASS I AIR QUALITY OPERATING PERMIT
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Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AG. Emission Units #S2.051 (continued)

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

Compliance, Monitoring, Recordkeeping and Reporting

On and after the date of startup of **S2.051**, Permittee will:

- a. Permittee shall comply with the requirements in Section II.A of this operating permit for initial performance testing.
- b. Monitor and record the daily weight (in tons) of Lime/Cement/Flyash loaded into **S2.051** for each day loading occurs.
- c. Monitor and record the hours of operation for **S2.051** for each day of operation.
- d. Monitor and record the average loading rate (in tons per hour) of Lime/Cement/Flyash on a daily basis using the monitoring in 4.b. and 4.c., above.
- e. Monitor and record the throughput (in tons) of Lime/Cement/Flyash for **S2.051** on a monthly basis.
- f. On a monthly basis, monitor and record the 12-month rolling throughput (in tons per 12-month rolling period) of Lime/Cement/Flyash for **S2.051** using the monthly recordkeeping in 4.e. above.
- g. Conduct an annual inspection of the baghouse control device for **S2.051**, in accordance with the manufacturer's operation and maintenance manual, and record the results (e.g. condition of bags and housing) and any corrective actions taken.
- h. Conduct and record a monthly visible emission survey on the stack of **S2.051**; record the time of the survey and indicate whether any visible emissions that are not normal for the process were observed. If any visible emissions are observed, the Permittee will conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. Each Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- i. 40 CFR Part 64 Compliance Assurance Monitoring Program
On and after the date of initial startup, Permittee will:
 - (1) Install, calibrate, operate and maintain devices for the measurement of the internal pressure drop across the baghouse controlling emissions from **S2.051**.
 - (2) Conduct and record a reading of the baghouse pressure drop across the inlet and outlet of the baghouse controlling emissions from **S2.051** at least once every 24 hours. Record any monitored excursions from the indicator range and record any corrective actions taken.
 - (3) The indicator range for the baghouse internal pressure drop shall not exceed 6.5 inches of water gauge for the baghouse controlling emissions from **S2.051**. Excursions shall be defined as anytime the baghouse pressure drop exceeds this indicator range.
 - (4) Report excursions as required in 40 CFR Part 64.9 and Section V.C.3. of this operating permit.
- j. Permittee will maintain, in a contemporaneous log, the monitoring required above, including the calendar date of any required monitoring.



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CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AH. Emission Unit #PF1.032 Location North 4,570.62 km, East 486.26 km, UTM (Zone 11, NAD 83)

System 32B – Vista Underground Shotcrete Plant: Vista Underground Lime/Cement/Flyash

Table with 2 columns: PF (1.032) and description (Lime/Cement/Flyash Silo Discharge to Hopper C-1)

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. Emissions from PF1.032 will be controlled by an enclosure.

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

a. The maximum allowable throughput for PF1.032 will not exceed 13.6 tons of Lime/Cement/Flyash per any one-hour period, nor more than 19,416.0 tons of Lime/Cement/Flyash per 12-month rolling period.

b. Hours
PF1.032 may operate 8,760 hours per calendar year.

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

On and after the date of startup of PF1.032, Permittee will not discharge or cause the discharge into the atmosphere from PF1.032, the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 Part 70 Program – The discharge of PM (particulate matter) to the atmosphere will not exceed 0.033 pound per hour, nor more than 0.023 ton per year.
b. NAC 445B.305 Part 70 Program – The discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.019 pound per hour, nor more than 0.014 ton per year.
c. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 23.51 pounds per hour in accordance with NAC 445B.22033.
d. NAC 445B.22017 Federally Enforceable SIP Requirement - The opacity from the PF1.032 discharge will not equal or exceed 20% in accordance with NAC 445B.22017.



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Facility ID No. A0003

Permit No. AP1041-0723.02

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AH. Emission Units PF1.032 (continued)

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

Compliance, Monitoring, Recordkeeping and Reporting

On and after the date of startup of **PF1.032**, Permittee will:

- a. Permittee shall comply with the requirements in Section II.A of this operating permit for initial performance testing.
- b. Monitor and record the throughput (in tons) of Lime/Cement/Flyash for **PF1.032** on a daily basis.
- c. Monitor and record the hours of operation for **PF1.032** for each day of operation.
- d. Monitor and record the average throughput rate (in tons per hour) of Lime/Cement/Flyash for **PF1.032** on a daily basis using the monitoring in 4.b. and 4.c., above.
- e. Monitor and record the throughput (in tons) of Lime/Cement/Flyash for **PF1.032** on a monthly basis.
- f. On a monthly basis, monitor and record the 12-month rolling throughput (in tons per 12-month rolling period) of Lime/Cement/Flyash for **PF1.032**, using the monthly recordkeeping in 4.e. above.
- g. Conduct and record a monthly inspection of the enclosure on **PF1.032** and record the results and any corrective action taken.
- h. Conduct and record a monthly visible emission survey on the enclosure of **PF1.032**; record the time of the survey and indicate whether any visible emissions that are not normal for the process were observed. If any visible emissions are observed, the Permittee will conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. Each Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- i. Permittee will maintain, in a contemporaneous log, the monitoring required above, including the calendar date of any required monitoring.



Bureau of Air Pollution Control

Facility ID No. A0003

Permit No. AP1041-0723.02

CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AI. Emission Units #PF1.033 Location North 4,570.62 km, East 486.26 km, UTM (Zone 11, NAD 83)

Table with 2 columns: PF (1.033) and Coarse/Fine Aggregate Loading to Hopper C-3. Title: System 32C – Vista Underground Shotcrete Plant: Vista Underground Aggregate Loading

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. PF1.033 has no add-on controls.

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

a. The maximum allowable throughput for PF1.033 will not exceed 27.0 tons of Aggregate per any one-hour period, nor more than 21,600.0 tons of Aggregate per 12-month rolling period.

b. Hours
PF1.033 may operate 8,760 hours per calendar year.

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

On and after the date of startup of PF1.033, Permittee will not discharge or cause the discharge into the atmosphere from PF1.033, the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 Part 70 Program – The discharge of PM (particulate matter) to the atmosphere will not exceed 0.186 pound per hour, nor more than 0.075 ton per year.
b. NAC 445B.305 Part 70 Program – The discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.089 pound per hour, nor more than 0.036 ton per year.
c. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM10 (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 37.31 pounds per hour in accordance with NAC 445B.22033.
d. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from the PF1.033 discharge will not equal or exceed 20% in accordance with NAC 445B.22017.



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CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AI. Emission Units PF1.033 (continued)

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

Compliance, Monitoring, Recordkeeping and Reporting (continued)

On and after the date of startup of PF1.033, Permittee will:

- a. Permittee shall comply with the requirements in Section II.A of this operating permit for initial performance testing.
- b. Monitor and record the throughput (in tons) of Aggregate for PF1.033 on a daily basis.
- c. Monitor and record the hours of operation for PF1.033 for each day of operation.
- d. Monitor and record the average throughput rate (in tons per hour) of Aggregate for PF1.033 on a daily basis using the monitoring in 4.b. and 4.c., above.
- e. Monitor and record the throughput (in tons) of Aggregate for PF1.033 on a monthly basis.
- f. On a monthly basis, monitor and record the 12-month rolling throughput (in tons per 12-month rolling period) of Aggregate for PF1.033, using the monthly recordkeeping in 4.e. above.
- g. Conduct and record a monthly visible emission survey on PF1.033; record the time of the survey and indicate whether any visible emissions that are not normal for the process were observed. If any visible emissions are observed, the Permittee will conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. Each Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- h. Permittee will maintain, in a contemporaneous log, the monitoring required above, including the calendar date of any required monitoring.



Bureau of Air Pollution Control

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AJ. Emission Unit #PF1.034 Location North 4,570.62 km, East 486.26 km, UTM (Zone 11, NAD 83)

System 32D – Vista Underground Shotcrete Plant: Vista Underground Aggregate Hopper		
PF	1.034	Hopper C-3 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger

1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. Emissions from PF1.034 shall be controlled by an enclosure.

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

a. The maximum allowable throughput for PF1.034 will not exceed 27.0 tons of Aggregate per any one-hour period, nor more than 21,600.0 tons of Aggregate per 12-month rolling period.

b. Hours
PF1.034 may operate 8,760 hours per calendar year.

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

On and after the date of startup of PF1.034, Permittee will not discharge or cause the discharge into the atmosphere, the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 Part 70 Program – The discharge of PM (particulate matter) to the atmosphere will not exceed 0.093 pound per hour, nor more than 0.037 ton per year.
- b. NAC 445B.305 Part 70 Program – The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 0.045 pound per hour, nor more than 0.018 ton per year.
- c. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed 37.31 pounds per hour in accordance with NAC 445B.22033.
- d. NAC 445B.22017 Federally Enforceable SIP Requirement – The opacity from the PF1.034 discharge will not equal or exceed 20% in accordance with NAC 445B.22017.



Bureau of Air Pollution Control

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

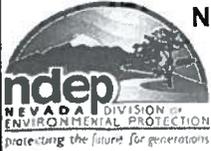
AJ. Emission Units PF1.033 (continued)

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

Compliance, Monitoring, Recordkeeping and Reporting (continued)

On and after the date of startup of **PF1.034**, Permittee will:

- a. Permittee shall comply with the requirements in Section II.A of this operating permit for initial performance testing.
- b. Monitor and record the throughput (in tons) of Aggregate for **PF1.034** on a daily basis.
- c. Monitor and record the hours of operation for **PF1.034** for each day of operation.
- d. Monitor and record the average discharge rate (in tons per hour) of Aggregate for **PF1.034** on a daily basis using the monitoring in 4.b. and 4.c., above.
- e. Monitor and record the throughput (in tons) of Aggregate for **PF1.034** on a monthly basis.
- f. On a monthly basis, monitor and record the 12-month rolling throughput (in tons per 12-month rolling period) of Aggregate for **PF1.034**, using the monthly recordkeeping in 4.e. above.
- g. Conduct and record a monthly inspection of the enclosure on **PF1.034** and record the results and any corrective action taken.
- h. Conduct and record a monthly visible emission survey on the enclosure of **PF1.034**; record the time of the survey and indicate whether any visible emissions that are not normal for the process were observed. If any visible emissions are observed, the Permittee will conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. Each Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- i. Permittee will maintain, in a contemporaneous log, the monitoring required above, so as including the calendar date any required monitoring.



Bureau of Air Pollution Control

Facility ID No. A0003

Permit No. AP1041-0723.02

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AK. Emission Unit #PF1.035 Location North 4,570.62 km, East 486.23 km, UTM (Zone 11, NAD 83)

System 32E – Vista Underground Shotcrete Plant: Vista Underground Lime/Cement/Flyash Hopper

PF	1.035	Lime/Cement/Flyash Hopper C-1 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger
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1. NAC 445B.3405 (NAC 445B.316) Part 70 Program
Air Pollution Control Equipment

a. Emissions from **PF1.035** shall be controlled by an enclosed feed auger.

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

a. The maximum allowable throughput for **PF1.035** will not exceed **13.6** tons of Lime/Cement/Flyash per any one-hour period, nor more than **19,416.0** tons of Lime/Cement/Flyash per 12-month rolling period.

b. Hours
PF1.035 may operate 8,760 hours per calendar year.

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

On and after the date of startup of **PF1.035**, Permittee will not discharge or cause the discharge into the atmosphere of the following pollutants in excess of the following specified limits:

- a. NAC 445B.305 Part 70 Program – The discharge of PM (particulate matter) to the atmosphere will not exceed **0.249** pound per hour, nor more than **0.179** ton per year.
- b. NAC 445B.305 Part 70 Program – The discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **0.075** pound per hour, nor more than **0.053** ton per year.
- c. NAC 445B.22033 Federally Enforceable SIP Requirement – The maximum allowable discharge of PM₁₀ (particulate matter less than 10 microns in diameter) to the atmosphere will not exceed **23.51** pounds per hour in accordance with NAC 445B.22033.
- d. NAC 445B.22017 Federally Enforceable SIP Requirement - The opacity from the **PF1.035** discharge will not equal or exceed **20%** in accordance with NAC 445B.22017.



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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section VI. Specific Operating Conditions (continued)

AK. Emission Unit #PF1.035 (continued)

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

Compliance, Monitoring, Recordkeeping and Reporting

On and after the date of startup of PF1.035, Permittee will:

- a. Permittee shall comply with the requirements in Section II.A of this operating permit for initial performance testing.
- b. Monitor and record the throughput (in tons) of Lime/Cement/Flyash for PF1.035 on a daily basis.
- c. Monitor and record the hours of operation for PF1.035 for each day of operation.
- d. Monitor and record the average throughput rate (in tons per hour) of Lime/Cement/Flyash for PF1.035 on a daily basis using the monitoring in 4.b. and 4.c., above.
- e. Monitor and record the throughput (in tons) of Lime/Cement/Flyash for PF1.035 on a monthly basis.
- f. On a monthly basis, monitor and record the 12-month rolling throughput (in tons per 12-month rolling period) of Lime/Cement/Flyash for PF1.035, using the monthly recordkeeping in 4.e. above.
- g. Conduct and record a monthly inspection of the enclosure on PF1.035 and record the results and any corrective action taken.
- h. Conduct and record a monthly visible emission survey on the enclosure of PF1.035; record the time of the survey and indicate whether any visible emissions that are not normal for the process were observed. If any visible emissions are observed, the Permittee will conduct and record a Method 9 visible emissions test within 24 hours and perform any necessary corrective actions. Each Method 9 visible emissions test must be conducted by a certified visible emissions reader in accordance with 40 CFR Part 60, Appendix A.
- i. Permittee will maintain, in a contemporaneous log, the monitoring required in AK.4. above, so as to include the calendar date of the required monitoring.

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



Bureau of Air Pollution Control

Facility ID No. A0003

Permit No. AP1041-0723.02

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

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section X. Amendments

11/12/09 – Permit revision to increase the volume flow rate for the baghouse for System 3 from 4,500 dscfm to 15,625 dscfm. The hourly emission rate for PM and PM₁₀ would be increase from 0.77 pound per hour to 2.68 pounds per hour. These changes will result in a maximum 8.34 tons per year increase in PM and PM₁₀ emissions from the new baghouse.

06/24/10 – (1) Permit revision to remove four Mercury Retorts (System 05A to 05D) and add two new retorts, System 30 and 31, emission Units S2.044 and S2.045. (2) Add a jaw crusher (S2.046) to System 06. (3). Change the flow rate for the baghouse for System 03 from 15,625 dscfm to 18,000 dscfm, add the grain loading rate limit of 0.0173 grain per dscfm.

The following typographical errors were corrected:

- 1) System 02 – removal the fogging water spray requirement in section 4.a.(5) (e).
- 2) System 03 – The stack parameters for the new baghouse are updated.
- 3) System 13 - removal the fogging water spray requirement in section 4.a.(5) (e).
- 4) System 15A and 15B – Monitoring and Source test requirement changed back the same as the previous permit AP1041-0723.01.
- 5) System 20 – Correct the topographic error on 4.c.(3).(d). to S2.037.
- 6) System 21 – Correct the topographic error on 4.c.(3).(d). to S2.038.

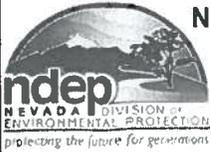
09/22/10, the following changed have been made:

- 1) On page 1, Emission Units List, add Drum and Burner for System 04A and 04B.
- 2) Change Section I, S, to reflect updated SIP requirement effective 5/16/2008.
- 3) Change Section I, T, to reflect NAC 445B.252 revised 7/22/2010.
- 4) System 03 – Change Section C, 4 to it was before the permit renewal.
- 5) System 04A – Change Section D1, 4, a.
- 6) System 04B – Correct the topographic Section D2.2.e from 3.7 pounds per hour to 1.2 pounds per hour; change Section D2,4 , b.
- 7) System 07 – Change Section G, 4.
- 8) System 08 – Add H. 3, e, same as the previous permit before the permit renewal and the renewal application.
- 9) Systems 14A & 14B – Add 4, a, (5) to Section N1, 4 and N2, 4 as it was on the previous permit before permit renewal.
- 10) Systems 14C & 14D – Change Section 4 to add the CAM Plan and specify source test requirement.
- 11) Systems 20 & 21 – Change Section U, 4 and V, 4 to it was before the permit renewal.
- 12) Section VIII –Change the disturbed land of 30 acres to 13,279 acres.
- 13) Non-permit equipment list – Change I.A.1.001 - I.a.1.006 from propane to diesel engines

09/29/11 – Change of Location for System 25 – Izzenhood Pad Lime Silo. Silo moved from UTM Coordinate 4,570.170 km North, 486.930 km East (Zone 11) to UTM Coordinate 4,568.823 km North, 486.799 km East (Zone 11).

April 2012

- 1) Modify System 06 – Laboratory Sample Preparation Circuit
 - a. Add a jaw crusher/rotary splitter (S2.047).
 - b. Add a laboratory drying oven (S2.048)
 - c. Add two pulverizers (S2.049 and S2.050)
 - d. Remove laboratory roll crusher (S2.006)
 - e. Remove laboratory jaw crusher (S2.007)
 - f. Remove screen (S2.011), removed during renewal, now removing reference.



Bureau of Air Pollution Control

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CLASS I AIR QUALITY OPERATING PERMIT
SPECIFIC OPERATING REQUIREMENTS

Issued to: Newmont Mining Corporation – Twin Creeks Mine, as Permittee

Section X. Amendments (continued)

September 2013

- 1) Added System 32A to 32E – Vista Underground Shotcrete Plant:
a. Lime/Cement/Flyash Silo Loading (S2.051)
b. Lime/Cement/Flyash Silo Discharge to Hopper C-1 (PF1.032)
c. Coarse/Fine Aggregate Loading to Hopper C-3 (PF1.033)
d. Hopper C-3 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger (PF1.034)
e. Lime/Cement/Flyash Hopper C-1 and Discharge to Mixing Hopper C-2 Via Totally Enclosed Feed Auger (PF 1.035)

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 March 9, 2009. (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.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: March 9, 2014

Signature

Handwritten signature of Jeffrey Kinder

Issued by:

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

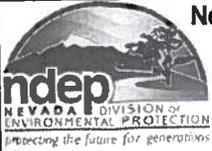
Phone:

(775) 687-9475

Date:

November 15, 2013

11/09 6/10 09/10 09/11 04/12 09/13
MC MC MC BK BK EH



Nevada Department of Conservation and Natural Resources • Division of Environmental Protection
Bureau of Air Pollution Control

CLASS I NON-PERMIT EQUIPMENT LIST

Appended to Newmont Mining Corporation, Twin Creeks Mine #AP1041-0723.02

Emission Unit #	Emission Unit Description
IA1.001	Internal Combustion Engines, GE 579, 1350 hp MMBtu/hr, Diesel
IA1.002	Internal Combustion Engines, 1810 hp, 1350 kW, Diesel
IA1.003	Internal Combustion Engines, GE637, 270hp, Diesel
IA1.004	Internal Combustion Engines, GE710, 525hp, Diesel
IA1.005	Internal Combustion Engines, GE711, 600hp, Diesel
IA1.006	Internal Combustion Engines, GE713, 305hp, Diesel
IA1.007	Heaters, Pinon Area Propane Vaporizer (2), Propane
IA1.008	Heaters, Pinon Strip Circuit Pre-heaters (4), Propane
IA1.009	Heaters, Pinon Mill Heaters (4), Propane
IA1.010	Heaters, Pinon Mill Office Heater (1), Propane
IA1.011	Heaters, Pinon CIC Building Heater (1), Propane
IA1.012	Heaters, Pinon Admin. Building Heater (1), Propane
IA1.013	Heaters, Water Treatment Building Heaters (6), Propane
IA1.014	Heaters, Pinon Major Repair Shop Heaters (21), Propane
IA1.015	Heaters, Pinon Transportation Shop Heaters (12), Propane
IA1.016	Heaters, Pinon Electrical Shop Heaters (4), Propane
IA1.017	Heaters, Pinon NDT Shop Heater (1), Propane
IA1.018	Heaters, Pinon Mega Shop Heaters (35), Propane
IA1.019	Sage Mill Heaters (40), Natural Gas
IA1.020	Sage Pump House Heaters (8), Natural Gas
IA1.021	N. Warehouse/Shop Heaters (26), Natural Gas
IA1.022	Juniper Mill Heaters (10), Natural Gas
IA1.023	Sage Mill Lube System Cooling Tower
IA1.024	Laboratory Reject Bin
IA1.025	Ammonium Nitrate Silo Loading
IA1.026	Ammonium Nitrate Silo Unloading
IA1.027	Ammonium Nitrate Silo Loading
IA1.028	Ammonium Nitrate Silo Unloading
IA1.029	Ammonium Nitrate Silo Loading
IA1.030	Ammonium Nitrate Silo Unloading

Note: The equipments listed on this attachment are subject to all applicable requirements of the NAC and ASIP.