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March 13, 2013

**UPS NEXT DAY**  
**UPS TRACKING NO. -1Z71AY710197882552**

Mr. Jeff Kinder  
Nevada Division of Environmental Protection  
Bureau of Air Pollution Control  
901 South Stewart Street, Suite 4001  
Carson City, Nevada 89701-5249

**RE: Withdraw Class I Minor Revision Application for Systems 3 and 42  
Submission of Class I Minor Revision Application for System 3  
Gold Quarry Operations  
Permit No. AP1041-0793**

Dear Mr. Kinder:

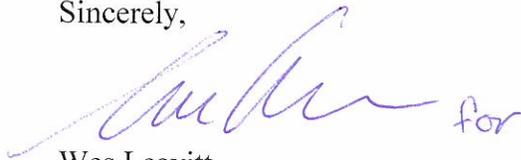
Newmont Mining Corporation (Newmont) hereby withdraws the Application for Minor Revision of Gold Quarry Operations Class I Air Operating Permit, AP1041-0793, that was submitted to Nevada Division of Environmental Protection – Bureau of Air Pollution Control (NDEP-BAPC) on November 15, 2012. This application was for changes to System 3 (Mill 5 Ore Reclaim Transfer to SAG Mill and Cone Crusher Circuit), and System 42 (Mill 6 Static Separator). After having discussed this application further with you, Newmont understands that NDEP-BAPC believes the issuance of the permit for System 3 can be expedited if the application is separately submitted, and not combined with the application for System 42. Therefore, this letter both withdraws the previously filed November 15, 2012 combined application, and submits a new application for System 3.

Enclosed is one (1) copy of the Application for Minor Revision for Gold Quarry Operations, for System 3. An electronic funds transfer in the amount of \$5000.00 was submitted to NDEP-BAPC on March 13, 2013 (confirmation #13031371586720). The modification to Gold Quarry Operations consists of replacement of the scrubber, fan, and associated duct work on System 3 - Mill 5 Ore Reclaim Transfer to SAG Mill and Cone Crusher Circuit. As we have discussed, Newmont would like to begin replacement of the System 3 scrubber equipment the first week of May 2013, given the industrial hygiene improvement that this project represents.

Jeff Kinder  
Bureau of Air Pollution Control  
March 13, 2013  
Page 2

Should you have questions or require additional information, please contact me at 775-778-2844.

Sincerely,



Wes Leavitt  
Environmental Director  
Carlin Compliance

Enclosure

cc: J. Raglin

**Application  
for  
Minor Revision  
of  
Gold Quarry Operations  
Class I Air Quality  
Operating Permit  
AP1041-0793**

**System 3 – Mill 5 Ore Reclaim Transfer to SAG Mill  
and Cone Crusher Circuit**

**March 2013**

**Prepared by:  
Newmont Mining Corporation  
1655 Mountain City Highway  
Elko, Nevada 89801**

## **TABLE OF CONTENTS**

Abbreviations

### **APPENDICES**

Appendix A: General Company Information

Appendix 1: Emission Unit Application Forms

Appendix 1A: Section 8 – Emission Unit Specific Applicable Requirements

Appendix 2: Insignificant Activity Information Form

Appendix 3: Facility-Wide Applicable Requirements

Appendix 4: Streamlining and Shield Allowance

Appendix 5: Facility-Wide Potential To Emit Tables

Appendix 6: Detailed Emissions Calculations

Appendix 7: Emissions Cap

Appendix 8: Narrative Description – Process Flow Diagram – Plot Plan – Map – Dust Control Plan

Appendix 9: Environmental Evaluation and Dispersion Modeling Files

Appendix 10: Operating Permit Template

Appendix 11: Application Certification

### **LIST OF FIGURES**

Figure 8.1: Cone Crusher Scrubber Design Drawing

Figure 8-2: Cone Crusher Scrubber Process Flow Diagram

Figure 8-3: Gold Quarry Operations Area Overview Map

Figure 8-4: Gold Quarry Operations Area Topographic Map

## Abbreviations

AP-42	<u>Compilation of Emission Factors, AP-42, Fifth Edition, Volume 1, Stationary Point and Area Sources</u> – published by the US Environmental Protection Agency
BACT	Best available control technology
BAPC	Bureau of Air Pollution Control
Btu	British thermal unit
CAM	Compliance Assurance Monitoring
CPM	Condensable particulate matter
CFR	Code of Federal Regulations
CO	Carbon monoxide
EPA	U.S. Environmental Protection Agency
gr/dscf	Grains per dry standard cubic foot (68 °F, 1 atmosphere)
HAP Act	Hazardous air pollutant listed pursuant to Section 112 of the Federal Clean Air Act
HRSG	Heat recovery steam generator
LAER	Lowest achievable emission rate
lb/hp-hr	Pounds per horsepower hour
lb/MMBtu	Pound per million British thermal units
lb/10 <sup>6</sup> scf	Pounds per million standard cubic feet
MMBtu/hr	Millions of British thermal units per hour
MSDS	Material Safety Data Sheet
NAC	Nevada Administrative Code
NDEP	Nevada Department of Environmental Protection
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NO <sub>x</sub>	Nitrogen oxides
NOAV	Notice of Alleged Violation
PM	Total particulate matter (includes both filterable particulate matter measured by EPA Method 5 and condensable particulate matter measured by EPA Method 202)
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter less than or equal to 10 micrometers (includes both filterable particulate matter measured by EPA Method 201 or 201A and condensable particulate matter measured by EPA Method 202)
PM <sub>2.5</sub>	Particulate matter with an aerodynamic diameter less than or equal to 2.5 micrometers (includes both filterable particulate matter measured by EPA Method 201 or 201A and condensable particulate matter measured by EPA Method 202)
ppm	Parts per million
ppmv	Parts per million by volume
ppmvd	Parts per million by volume, dry
PSD	Prevention of Significant Deterioration
QIP	Quality Improvement Plan
SO <sub>2</sub>	Sulfur dioxide
T-BACT	Best Available Control Technology for toxic air pollutants
tpy	Tons per year
TWA	Time weighted average
VOC	Volatile organic compound

# **Appendix A**

## **GENERAL COMPANY INFORMATION**





**GENERAL COMPANY INFORMATION (CONTINUED)**

10. The application must contain, if applicable:
- a. For a proposed minor revision for which there is an increase of greater than 10 tons per year of a regulated air pollutant, include an environmental evaluation as required by NAC 445B.308 to 445B.313, inclusive [NAC 445B.295.8].
  - b. For stationary sources subject to the provisions regarding new source review set forth in 42 USC §§7501 - 7515, inclusive (nonattainment areas), all information required by 42 USC §7503 [NAC 445B.3363.2(b)(3)].
11. Will the construction occur in more than one phase?     Yes             No
12. If the construction will occur in more than one phase, please provide the projected date of the commencement for each phase of construction:
- Phase 1: \_\_\_\_\_
- Phase 2: \_\_\_\_\_
- Phase 3: \_\_\_\_\_
13. Compliance Plan/Certification
- a. Attach a compliance plan, signed by the responsible official that contains the following with respect to all applicable requirements:
    - (1) A narrative description of the compliance status of the stationary source with respect to all applicable requirements. [NAC 445B.3368.2(h)(1)]
    - (2) A compliance certification by a responsible official stating that the stationary source will comply in a timely manner with any new applicable requirements that become effective during the operating permit term. Include a description of the test methods and the requirements for monitoring, enhanced monitoring, recordkeeping and reporting that will be used to comply with the new applicable requirements, fuel use, the rate of production, raw materials, and operating schedules which are used to determine the compliance status of the stationary source. [NAC 445B.3368.2(h)(2)]
    - (3) If the stationary source is not in compliance with any applicable requirements at the time the operating permit is issued, include a narrative description and a proposed schedule for achieving compliance which includes remedial measures, an enforceable sequence of actions with milestones, and a schedule to submit certified progress reports every six months. This schedule must be at least as stringent as that contained in any consent decree rendered by a federal court, a court of this state, or an administrative order which applies to the stationary source. [NAC 445B.3368.2(h)(3)III]
  - b. A schedule for submission of compliance certifications during the term of the operating permit, to be submitted annually or more frequently to the Bureau of Air Pollution Control. [NAC 445B.3368.2(i)(3)]

*A compliance Plan and signed compliance certificate are attached below.*

## **Compliance Plan**

This section addresses the required elements of a Title V Compliance Plan, as itemized on the NDEP “Application for Renewal of a Class I Air Quality Operating Permit Operating Permit.” This section includes a statement of the compliance status for the source and certification of that statement by a responsible official of the Company, description of noncompliance and proposed compliance certification schedule. This section also identifies proposed exemptions from federally applicable requirements, test methods for compliance with federally applicable requirements, test methods for compliance with federally applicable requirements and the location of mine records.

### **Compliance Status**

The “source” identified in the General Company Information Section above, is currently in compliance with all federally applicable requirements, as identified in Table 1 (attached).

### **Compliance Certification Statement**

The compliance certification statement, signed by a responsible official of the company, is included in this Operating permit Application for Class I sources in Section 1.0 of this application. By signing the certification, the responsible official states that the source will continue to comply with applicable requirements with which it is in compliance and agrees to comply in a timely manner with any new applicable requirements that may become effective during the term of this operating permit.

### **Description of Noncompliance and Compliance Schedule**

There are no outstanding non-compliance issues. Newmont is not aware of any outstanding reported noncompliance issues other than minor monitoring deviations that have been previously reported to the BAPC. Therefore, no schedule to attain compliance is required.

### **Schedule of Compliance Certification Reporting**

As required by NAC.445B.295 2.(h)(4), a report certifying the compliance status with all applicable federal requirements will be submitted to the NDEP, Bureau of Air Pollution Control, annually.

### **Proposed Exemptions from Federally Applicable Requirements**

Newmont proposes no exemptions from federally applicable requirements.

14. A minor revision may be made to a Class I operating permit if the revision:
- Does not violate any applicable requirement;
  - Does not involve significant changes to the existing requirements for monitoring, reporting or recordkeeping;
  - Does not require or change:
    - A determination of an emission limitation or other standard on a case-by-case basis;
    - A determination of the ambient impact for any temporary source; or
    - A visibility or increment analysis;
  - Does not establish or change a condition of the operating permit for which there is no corresponding underlying applicable requirement and which was requested in order to avoid an applicable requirement, including:
    - A federally enforceable emissions cap; or
    - An alternative emission limitation pursuant to 42 U.S.C. §7412(i)(5);
  - Is not a modification pursuant to any provision of 42 U.S.C. §§7401 to 7515, inclusive; and
  - Does not result in an increase in allowable emissions that exceeds any of the thresholds specified in NAC 445B.3425.1(f).

15. **PROCEDURES FOR DEMONSTRATION OF MINOR REVISION AT A MAJOR PSD STATIONARY SOURCE.** Respond to the following criteria [NAC 445B.295.8]:

- a. Is the existing facility categorized as a PSD major stationary source (see 40 CFR Part 52.21(b)(1) for definition)?

*Yes.*

This determination must be based on the potential to emit as determined by the conditions contained in current permit(s). If the existing facility is not a PSD major stationary source, b and c are not required to be completed.

- b. Describe whether a physical change or change in the method of operation is occurring as a result of the proposed revision(s). If a physical change or change in the method of operation is not occurring, c is not required to be completed.

*This revision is for the replacement of the existing Wet Scrubber (2300-DC-02), fan, and duct work associated with System 3.*

*No other emission units will be affected by this change. The following calculations demonstrate this change falls below the PSD significance level for all pollutants and, therefore, is not a major modification:*

Pollutant	Calculated Emissions: tons/year (Based on Existing Permit)	Calculated Emissions: tons/year (Based on Proposed Permit)	Emissions Increase: tons/year	PSD Significance Level: tons/year
NOx	244.51	-	-	40
CO	195.96	-	-	100
SO2	221.12	-	-	40
PM10	329.85	334.98	5.13	15
VOC	38.60	-	-	40

*See appendix 6 for detailed emissions calculations.*

CFR Part 52.21(b)(2) is not occurring. The demonstration must include, at a minimum:  
*See Appendix 6 – Detailed Emissions Calculations: Revision is by definition not considered a major modification as shown in Section 15(b). See System 3 PSD Analyses*

- (1) A summary of actual emissions for the entire stationary source;
- (2) The proposed new potential to emit for the entire stationary source;
- (3) A summary of any other contemporaneous emission increases and decreases; and
- (4) The net emission increase or decrease. This must be less than the PSD significant emission rates defined in 40 CFR Part 52.21(b)(23).

16. **Application Submittal:**

Please remove the cover page, Table of Contents and General Information page and all Attachments of the application packet. Submit the remainder of the application packet as your formal application. This should consist of, at a minimum, the Class I-B Minor Revision Application cover page, the general Company Information, and Appendices 1 through 10.

# **Appendix 1**

## **EMISSION UNIT APPLICATION FORMS**

**(Industrial Process/Combustion Equipment/Storage Silo/  
Liquid Storage Tank/ Surface Area Disturbance)**

**INDUSTRIAL PROCESS  
APPLICATION FORM  
CLASS I-B**

Check here if this is an alternative operating scenario

**Section 1 - Equipment Description**

a. Type of equipment Mill 5 Ore Reclaim Transfer to SAG Mill and Cone Crusher Circuit-  
S 2.001 Reclaim Feeder(2300-FE-09) discharge/transfer to SAG Mill Conveyor(2300-CV-14);  
S 2.002 Reclaim Feeder(2300-FE-10); discharge/transfer to SAG Mill Conveyor(2300-CV-14);  
S 2.003 Reclaim Feeder(2300-FE-11) discharge/transfer to SAG Mill Conveyor(2300-CV-14);  
S.2004 Conveyor(2300-FE-14) discharge/transfer to Secondary Cone Crusher(2300-CR-02);  
S.2005 Conveyor(2300-FE-15) discharge/transfer to Secondary Cone Crusher(2300-CR-03);  
S.2006 Secondary Cone Crusher(2300-CR-02)  
S.2007 Secondary Cone Crusher(2300-CR-03)  
S.2008 Secondary Cone Crusher (2300-CR-02) discharge/transfer to Conveyor (2300-CV-20);  
S2.009 Secondary Cone Crusher (2300-CR-03) discharge/transfer to Conveyor (2300-CV-21);  
S2.010 Conveyor (2300-CV-20) discharge/transfer to Conveyor (2300-CV-22)  
S2.011 Conveyor (2300-CV-21) discharge/transfer to Conveyor (2300-CV-22)  
S2.012 Conveyor (2300-CV-22) discharge/transfer to Mill Feed Conveyor (2300-CV-14)  
S2.013 Lime Silo-Unloading (2600-BN-02) discharge/transfer to Conveyor (2300-CV-14)

b. Standard Industrial Classification (SIC) Code 1041

c. Manufacturer of equipment Clean Gas Systems

d. Model number Dynascrub II Serial number N/A Equip. number 2300-DC-02

e. Date equipment manufactured: N/A

f. Please check one:  Temporary (At the same location for less than 12 months)  
 Stationary (At the same location for more than 12 months)

g. For crushers: size output setting, check one:  Primary ( $\geq 4"$ )  
 Secondary ( $< 4"$  but  $\geq 1"$ )  
 Tertiary ( $< 1"$ )

h. Please check if portable:  Portable (transportable or movable within the confines of the stationary source)

i. UTM Coordinates 4515034 meters N; 568307 meters E; Zone 11  
 (Please specify NAD 27  or NAD 83 )

j. Basic equipment dimensions (feet): L 14 W 12 H 42  
 (Scrubber)

**Section 2 - Design Rate/Operating Parameters**

a. Maximum design capacity (tons per hour) 1,500

b. Requested operating rate (tons per hour)\* \_\_\_\_\_

c. Requested operating time: (time of day)\* \_\_\_\_\_ to \_\_\_\_\_  
 Hours per day 24 Days per year 365

d. Batch load or charge weight (tons) (if applicable) N/A

e. Total hours required to process batch or charge (if applicable) \_\_\_\_\_

f. Maximum operating rate (tons per year) 8,500,000

g. Requested operating rate (tons per year)\* \_\_\_\_\_

f. Type of material processed Ore

g. Minimum moisture content N/A

\*Note: Please complete if other than the maximum design capacity (tons per hour and tons per year) and/or the maximum hours of operation (24 hours per day, 8760 hours per year) are being requested. The permit will be limited to these values.

## INDUSTRIAL PROCESS APPLICATION FORM CONTINUED

### Section 3 - Fuel Usage

(This section only applies to fuel consumed/combusted within the process unit. Fuels consumed/combusted in combustion units are to be listed on the Combustion Equipment Application Form.)

Type of Fuel	Amount Used Per Hour	Heat Content (specify in Btus)	Ash Content (% by weight)	Sulfur Content (% by weight)	Trace Elements (% by weight)
Oil- Specify Type(s)					
	gallons				
	gallons				
Gasoline	gallons				
Propane	cubic feet				
Natural Gas	cubic feet				
*Waste Oil	gallons				
Other					

Type of Fuel	Amount Used Per Hour (tons)	Heat Content (specify in Btus)	Ash Content (% by weight)	Sulfur Content (% by weight)	Trace Elements (% by weight)	Percent moisture	Percent volatile matter	Percent fixed carbon
Coal - Specify Type(s)								

If more than one type of fuel is combusted, under this operating scenario please specify primary fuel and percentage on a maximum hourly and annual basis (if fuel blending is the primary fuel, identify percentages of each fuel blended). Attach additional information to this form if necessary.

\*Firing of waste oil will require multi metals test to insure fuel is non-hazardous.

**INDUSTRIAL PROCESS  
APPLICATION FORM  
CONTINUED**

**Section 4 - Pollution Control Equipment/Exhaust Stack Parameters (this section must be completed)**

-Complete for emissions **exhausting through a stack, chimney or vent:** (baghouse, wet scrubber, cyclone, low NO<sub>x</sub> burner, no control, etc.)

	Control #1	Control #2
Type of Control (See Note 1)	Scrubber (2300-DC-02)	
Pollutant(s) Controlled	PM/PM10	
Manufacturer	Clean Gas Systems	
Manufacturer's Guarantee (see Note 2)	0.02 gr/dscf	
Stack height (feet from ground level)	43	
Stack inside diameter (feet)	4	
Temperature (°F) at design capacity	62	
Stack exit velocity (feet per second)	32	
Gas volume flow rate: Actual cubic feet per minute	22,961	
Gas volume flow rate: Dry standard cubic feet per minute	22,400	
Unusual stack characteristics (e.g. raincap)		

-Complete for emissions **not** exhausting through a stack, chimney or vent: (water sprays, fogging water sprays, pneumatic fogging system, high moisture ore, no control, etc.)

	Control #1	Control #2
Type of Control (See Note 1)	None	
Pollutant(s) Controlled		
Manufacturer		
Manufacturer's Guarantee (see Note 1)		

Note: Indicate the specific point(s) of emission control application for this emission unit. This must be provided as part of the process flow diagram as required in section 7 of the General Information section of the application form.

**Note 1:** Specify "uncontrolled" if no pollution control device is installed.

**Note 2:** Manufacturer's guarantee of control efficiency must be attached to this form if the control efficiency claimed is greater than the control efficiency ratings provided in the Bureau of Air Pollution Control's Emissions Control Technology - Control Efficiency Ratings provided in Attachment 4.

**INDUSTRIAL PROCESS  
APPLICATION FORM  
CONTINUED**

**Section 5 - Identify and Describe Compliance Monitoring Devices or Activities** (attach additional pages if necessary)

<ol style="list-style-type: none"><li>1. Throughput rate of ore on a daily basis.</li><li>2. Daily hours of operation.</li><li>3. Weekly visible emissions inspection.</li><li>4. Weekly differential pressure reading.</li><li>5. Weekly flow rate reading.</li></ol>
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**Section 6 - Identify and Describe Work Practice Standards, Etc.** (attach additional pages if necessary)

<ol style="list-style-type: none"><li>1. At all times, including startup, shutdown, and malfunction, the system will be operated in a manner consistent with good air pollution control measures.</li><li>2. Install, calibrate, maintain and operate a monitoring device for continuous measurement of the change in pressure.</li><li>3. Install, calibrate, maintain and operate a monitoring device for continuous measurement of the scrubbing liquid flow rate.</li></ol>
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**INDUSTRIAL PROCESS  
APPLICATION FORM  
CONTINUED**

**Section 7 - Requested Emission Limits**

<b>Pollutant</b>	<b>Potential to Emit (pounds/hour*)</b>	<b>Potential to Emit (tons/year)</b>	<b>Calculation (including reference) on Which Emissions Information is Based (attach supporting information if necessary)</b>
Total Particulate Matter (PM)	3.84	16.82	Based on 0.02 gr/dscf
Particulates as PM <sub>10</sub>	3.84	16.82	Based on 0.02 gr/dscf
Sulfur Dioxide			
Carbon Monoxide			
Oxides of Nitrogen			
Volatile Organic Compounds			
Lead			
Hydrogen Sulfide			
Hazardous Air Pollutants (Specify Each Pollutant <sup>1</sup> )			
Other Regulated Pollutants (Specify <sup>2</sup> )			

\*Note: Alternative emissions limitations (e.g., lb/MMBtu, ppm, grains/dscf) may be requested by the applicant. If alternative emissions limitations are requested, please clearly describe the units in column 2 of Section 5 above.

<sup>1</sup>A list of Hazardous Air Pollutants is contained in Attachment 4.

<sup>2</sup>Other Regulated Pollutants include any Class I or Class II substance subject to a standard adopted pursuant to 42 U.S.C. SS 7671-8671q, inclusive.

# **SECTION 8**

## **EMISSION UNIT SPECIFIC APPLICABLE REQUIREMENTS**

**SECTION 8**  
**EMISSION UNIT SPECIFIC**  
**APPLICABLE REQUIREMENTS, TEST METHODS, AND COMPLIANCE STATUS**

Applicable Requirement Citation and Description	Explanation of A Proposed Exemption	Test Methods and/or Monitoring	Compliance Status												
<p>NAC 445B.2203 (State Only Requirement)</p> <p><b>Emissions of Particulate Matter - Fuel Burning Equipment</b></p> <p>1. Source may not cause or permit the emission of PM<sub>10</sub> resulting from the combustion of fuel in fuel-burning equipment in excess of the quantity set forth in the following formulas:</p> <p>a. For input of heat equal to or greater than 4 million Btu's per hour, but less than or equal to 10 million Btu's per hour, the allowable emission is 0.6 of a pound per million Btu's of input of heat.</p> <p>b. For input of heat greater than 10 million Btu's per hour, but less than 4,000 million Btu's per hour, the allowable emissions must be calculated using the following equation:  <math>Y = 1.02X^{-0.231}</math></p> <p>c. For input of heat equal to or greater than 4,000 million Btu's per hour, the emission must be calculated using the following equation:  <math>Y = 17.0X^{-0.356}</math></p> <p>2. For the purposes of paragraphs b and c of subsection 1:</p> <p>a. "X" means the operating rate in million Btu's per hour.</p> <p>b. "Y" means the allowable rate of emission in pounds per million Btu's.</p>	N/A	N/A	Compliant												
<p>SIP 445.731(1)(a) - (Federally Enforceable SIP Requirement)</p> <p><b>Particulate Matter - Fuel Burning Equipment</b></p> <p>Source shall not cause, suffer, allow or permit the emission of particulate matter resulting from the combustion of fuel in excess of the quantity set forth in the following table:</p> <table border="1" data-bbox="812 892 1015 1312"> <thead> <tr> <th>Heat input in millions of</th> <th>Maximum allowable emission of particulate matter in pounds per hour per million</th> </tr> </thead> <tbody> <tr> <td>Up to and including 10</td> <td>0.600</td> </tr> <tr> <td>100</td> <td>0.352</td> </tr> <tr> <td>1,000</td> <td>0.206</td> </tr> <tr> <td>10,000</td> <td>0.091</td> </tr> <tr> <td>100,000</td> <td>0.025</td> </tr> </tbody> </table>	Heat input in millions of	Maximum allowable emission of particulate matter in pounds per hour per million	Up to and including 10	0.600	100	0.352	1,000	0.206	10,000	0.091	100,000	0.025	N/A	N/A	Compliant
Heat input in millions of	Maximum allowable emission of particulate matter in pounds per hour per million														
Up to and including 10	0.600														
100	0.352														
1,000	0.206														
10,000	0.091														
100,000	0.025														
<p>SIP 445.731(1)(b) - (Federally Enforceable SIP Requirement)</p> <p><b>Particulate Matter - Fuel Burning Equipment</b></p> <p>For heat inputs greater than 10 but less than 4,000 million Btu's per hour, the allowable emissions shall be calculated by using the following equation:  <math>Y = 1.02X^{-0.231}</math></p> <p>Where "X" = maximum equipment capacity rate in million Btu's per hour.  "Y" = allowable rate of emission in pounds per million Btu's.</p>	N/A	N/A	Compliant												

**SECTION 8**  
**EMISSION UNIT SPECIFIC**  
**APPLICABLE REQUIREMENTS, TEST METHODS, AND COMPLIANCE STATUS**

Applicable Requirement Citation and Description	Explanation of A Proposed Exemption	Test Methods and/or Monitoring	Compliance Status
<p>SIP 445.731(1)(c) - <i>(Federally Enforceable SIP Requirement)</i>  <b>Particulate Matter - Fuel Burning Equipment</b>                      For heat inputs equal to or greater than 4,000 million Btu's per hour, the emissions shall be calculated by using the following equation:  <math display="block">Y = 17.0X^{-0.568}</math>                     where "X" = maximum equipment capacity rate in million Btu's per hour.                      "Y" = allowable rate of emission in pounds per million Btu's.</p>	N/A	N/A	Compliant
<p>SIP 445.731(3) - <i>(Federally Enforceable SIP Requirement)</i>  <b>Particulate Matter - Fuel Burning Equipment</b>                      Air conditioning equipment or fuel burning equipment having a rating of less than one million kilogram-calories (4 million Btu's) per hour shall be exempted from provisions of this section.</p>	N/A	N/A	Compliant
<p>NAC 445B.22033, 445B.22027 <i>(State Only Requirement)</i>  <b>Emissions of Particulate Matter - Sources Not Otherwise Limited</b>                      1. Owners or operators of stationary sources not otherwise included in NAC 445B.22027 to 445B.22037, inclusive, shall not cause or permit PM<sub>10</sub> to be discharged from any emission unit into the atmosphere in excess of the allowable emission determined by the use of the formula contained in subsection 2 or 3.                      2. When the maximum allowable throughput is less than 30 tons per hour, the maximum allowable weight discharge per hour must be determined by using the following equation:  <math display="block">E = 4.10P^{0.67}</math>                      3. When the maximum allowable throughput equals or exceeds 30 tons per hour, the maximum allowable weight discharge per hour must be determined by using the following equation:  <math display="block">E = 55P^{0.11} - 40</math>                      4. For the purposes of subsections 2 and 3:                      (a) "E" means the maximum rate of emission in pounds per hour.                      (b) "P" means the maximum allowable throughput in tons per hour.</p>	N/A	N/A	Compliant
<p>SIP 445.732 - <i>(Federally Enforceable SIP Requirement)</i>  <b>Particulate Matter - Industrial Sources</b>                      Sources not otherwise included in these regulations (SIP) shall not cause, suffer, allow, or permit particulate matter to be discharged from any single source into the atmosphere in excess of the allowable emission shown in the following table. When the process weight falls between two values in the table, the maximum weight discharged per hour shall be determined by the use of the formulas contained in this section.                      SIP 445.732(2) - When the process weight rate is less than 30,000 kilograms (60,000 pounds) per hour, the maximum allowable weight discharged per hour will be determined by using the following equation:  <math display="block">E = 0.0193P^{0.67} (4.10P^{0.67})</math>                     "E" = Maximum rate of emission in kilograms (pounds) per hour.                      "P" = Process weight rate in kilograms (tons) per hour.</p>	N/A	N/A	Compliant

**SECTION 8**  
**EMISSION UNIT SPECIFIC**  
**APPLICABLE REQUIREMENTS, TEST METHODS, AND COMPLIANCE STATUS**

Applicable Requirement Citation and Description	Explanation of A Proposed Exemption	Test Methods and/or Monitoring	Compliance Status
<p>SIP 445.732 (3) - <i>(Federally Enforceable SIP Requirement)</i>  Particulate Matter - Industrial Sources  When the process weight rate equals or exceeds 30,000 kilograms (60,000 pounds) per hour the maximum allowable discharge per hour will be determined by using the following equation:  <math>E = 11.78P^{0.11} - 18.14 (55P^{0.11} - 40)</math>  "E" = Maximum rate of emission in kilograms (pounds) per hour.  "P" = Process weight rate in kilograms (tons) per hour.</p>	N/A	N/A	Compliant
<p>NAC 445B.2204, 445B.22043, 445B.22047 <i>(State Only Requirement)</i>  Sulfur Emissions - Fuel Burning Equipment</p> <ol style="list-style-type: none"> <li>Source may not cause or permit the emission of compounds of sulfur caused by the combustion of fuel in fuel-burning equipment in excess of the quantity calculated by the use of the formula in subsection 2 or 3.</li> <li>Where an emission unit has a total input of heat of less than 250 million Btu's per hour the allowable emission must be calculated by the use of the following equation:  <math>Y = 0.7X</math></li> <li>Where an emission unit has a total input of heat equal to or greater than 250 million Btu's per hour, the allowable emission of sulfur must be calculated by the use of the following equation:  Liquid fuel, <math>Y = 0.4X</math>  Solid Fuel, <math>Y = 0.6X</math>  Combination, <math>Y = (L(0.4) - S(0.6))/(L + S)</math></li> <li>For the purposes of subsections 2 and 3:  (a) "X" means the operating input of heat in millions of Btu's per hour.  (b) "Y" means the allowable rate of emission of sulfur in pounds per hour.</li> <li>For the purposes of subsection 3:  (a) "L" means the percentage of total input of heat derived from liquid fuel.  (b) "S" means the percentage of total heat derived from solid fuel.</li> </ol>	N/A	N/A	Compliant
<p>SIP Article 8.1 and 8.2 <i>(Federally Enforceable SIP Requirement)</i>  Sulfur Emissions - Fuel Burning Equipment</p> <p>8.2.1.1 - Where a source located on contiguous property has a total heat input of less than 63 million kg-cal (250 million Btu's) per hour the following allowable emission shall be calculated by the use of the following equation:  <math>Y = 1.26X (Y = 0.7X)</math>  "X" = Operating heat input in millions of kg-cal (Btu's) per hour.  "Y" = Allowable rate of sulfur emission in kg (pounds) per hour.</p>	N/A	N/A	Compliant

**SECTION 8**  
**EMISSION UNIT SPECIFIC**  
**APPLICABLE REQUIREMENTS, TEST METHODS, AND COMPLIANCE STATUS**

Applicable Requirement Citation and Description	Explanation of A Proposed Exemption	Test Methods and/or Monitoring	Compliance Status
<p>SIP Article 8.2.1.2 - Where a source located on contiguous property has a total heat input of equal to or greater than 63 million kg-cal (250 million Btu's) per hour, the allowable sulfur emission shall be calculated by the use of the following equations:</p> <p>Liquid Fuel  <math>Y = 0.7X</math> (<math>Y = 0.4X</math>)</p> <p>Solid Fuels  <math>Y = 1.1X</math> (<math>Y = 0.6X</math>)</p> <p>Combination Fuel  <math>Y = \frac{L(0.7) + S(1.1)}{L + S}</math></p> <p>"X" = Operating input in millions of kg-cal (Btu's) per hour.  "Y" = Allowable rate of sulfur emissions in kg (pounds) per hour.  "L" = Percentage of total heat input derived from liquid fuel.  "S" = Percentage of total heat input derived from solid fuel.</p> <p>8.2.2 - For purposes of Article 8, "sulfur emission" means the sulfur portion of the sulfur compounds emitted.</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>
<p>NAC 445B.2204, 445B.22043, 445B.2205 (<u>State Only Requirement</u>)  Other Processes Which Emit Sulfur</p> <p>1. Source may not cause or permit the emission of sulfur compounds where the sulfur originates in the material being processed, excluding hydrogen sulfide and sulfur from all solid, liquid, or gaseous fuel, in excess of the quantity determined by the following equation:  <math>E = 0.292P^{0.904}</math></p> <p>2. For the purposes of subsection 1:  (a) "E" means the allowable sulfur emission in pounds per hour.  (b) "P" means the total feed sulfur, excluding hydrogen sulfide, in pounds per hour.</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>
<p>SIP 445.746 - (<u>Federally Enforceable SIP Requirement</u>)  Other Sulfur Emitting Processes</p> <p>SIP 445.746(1) - Source shall not cause, suffer, allow or permit the emission of sulfur compounds where the sulfur originates in the material being processed (excluding sulfur from solid, liquid, or gaseous fuel), in excess of the quantity determined by the following equation:  <math>E = 0.271P^{0.904}</math> (<math>0.292P^{0.904}</math>)</p> <p>When <math>\square</math> is equal to or greater than 5 kilograms (10 pounds) per hour.  Where:  "E" is the allowable sulfur emission in kilograms (pounds) per hour,  "P" is the total feed sulfur in kilograms (pounds) per hour.  SIP 445.746(1) - When "E" is less than 5 kilograms (10 pounds) per hour, the gas stream concentration shall not exceed 1,000 ppm by volume.</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>
<p>SIP 445.746 - (<u>Federally Enforceable SIP Requirement</u>)  Other Sulfur Emitting Processes</p> <p>SIP 445.746(3) - When sulfur emissions are due to sulfur contributions from both the fuel and the material being</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>

**SECTION 8**  
**EMISSION UNIT SPECIFIC**  
**APPLICABLE REQUIREMENTS, TEST METHODS, AND COMPLIANCE STATUS**

Applicable Requirement Citation and Description	Explanation of A Proposed Exemption	Test Methods and/or Monitoring	Compliance Status
<p>processed, the allowable emissions shall be the sum of those allowed by the provisions of this section.</p> <p>NAC 445B.22017 (<i>State Only Requirement</i>)  Maximum Opacity of Emissions</p> <p>1. Except as otherwise provided in this section and NAC 445B.2202 and 445B.22023, 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).</p> <p>2. The provisions of this section and NAC 445B.2202 and 445B.22023 do not apply to that part of the opacity that consists of uncombined water. The burden of proof to establish the application of this exemption is upon the person seeking to come within the exemption.</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>
<p>SIP 445.721 (<i>Federally Enforceable SIP Requirement</i>)  Visible Emissions from Stationary Sources</p> <p>These regulations (SIP) shall not apply if the presence of uncombined water is the only reason for the failure of an emission to comply with these regulations. The burden of proof to establish the application of this exemption shall be upon the person seeking to come within this exemption.</p>	<p>N/A</p>	<p>N/A</p>	<p>Compliant</p>

**SURFACE AREA DISTURBANCE  
APPLICATION FORM  
CLASS I OPERATING PERMIT**

1. Project Name N/A (no new surface disturbance, area already covered under AP 1041-0793)

2. Surface Area Disturbance Location:

Overall disturbance location description:

Township \_\_\_\_\_; Range \_\_\_\_\_; Section \_\_\_\_\_;

3. Indicate the total number of acres to be disturbed for the project N/A

4. Nevada Administrative Code 445B.22037 requires fugitive dust to be controlled (regardless of the size or amount of acreage disturbed), and requires an ongoing program, using best practical methods, to prevent particulate matter from becoming airborne. All activities which have the potential to adversely affect the local air quality must implement all appropriate measures to limit controllable emissions. Appropriate measures for dust control may consist of a phased approach to acreage disturbance rather than disturbing the entire area all at once; using wet suppression through such application methods as water trucks or water sprays systems to control wind blown dust; the application of soil binding agents or chemical surfactant to roadways and areas of disturbed soil; as well as the use of wind-break or wind-limiting fencing designed to limit wind erosion of soils.

5. Please include a dust control plan in Appendix 8 if the total number of acres to be disturbed in number 3 above equals or exceeds 20 acres. The dust control measures discussed above should be considered in the preparation of the required dust control plan. Two documents entitled "SAD Dust Control Plan Preparation Guidelines" and "SAD Fugitive Dust Control Plan" can be downloaded at [www.ndep.nv.gov/bapc](http://www.ndep.nv.gov/bapc) under Downloads. The acceptance of the dust control plan by the Bureau of Air Pollution Control does not limit the permit holder's need to control fugitive dust from the disturbance and its related activities, nor from putting into effect an ongoing program for using the best practical methods of dust control.

## **Appendix 2**

# **INSIGNIFICANT ACTIVITY INFORMATION FORM**

**Section 1 - List All Emission Units that are Insignificant Activities Pursuant to NAC 445B.288.2(a) through (h) (see Attachment 2 for regulation).**

Emission Unit	Exemption Regulation (Example - NAC 445B.288.2(b))	Reason Exemption Applies
No insignificant activities pursuant to NAC 445B.288.2(a) are associated with the project		

**Section 2 - List All Emission Units Proposed as Insignificant Activities Pursuant to List Approved by the Director (see Attachment 1 - List of Approved Insignificant Activities)**

Emission Unit	Reason Exemption Applies
No director approved insignificant activities are associated with the project.	

**Section 3 - List All Emission Units Proposed as Insignificant Activities and Not Otherwise Listed in Section 1 or Section 2 (NAC 445B.288.4). Proposed insignificant activities from this Section must be submitted, under separate cover, to the Director for his approval. The submittal must include a sufficient description of the emission unit(s), all emissions calculations, and references.**

Emission Unit
None are proposed at this time.

**Section 4 -Emissions Calculations - Insignificant Emission Units/Activities**

Emissions calculations for each insignificant activity listed in Sections 1 through 3 above must be provided and included in Appendix 4. Emissions calculations must be based on the maximum design throughput, maximum design production rate or maximum design heat input rate value of the emission unit or activity. No consideration for emissions reduction from pollution controls or limits on the hours of operation or other operational constraints may be allowed unless otherwise approved by the Director or as indicated in NAC 445B.288.3 or on the list provided in Attachment 1.