DES
DEPARTMENT OF ENVIRONMENT AND SUSTAINABILITY
air quality desert conservation PROGRAM sustainability

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PART 70 OPERATING PERMIT

SOURCE ID: 17286

Blue Diamond Hill Gypsum
8360 Nevada Highway 159
Blue Diamond, Nevada 89004

ISSUED ON: September 24, 2024 **EXPIRES ON: September 23, 2029**

Current action: Renewal

Issued to:

Gypsum Resources LLC

P.O. Box 147

Blue Diamond, Nevada 89004

Responsible Official:

James Rhodes

President

PHONE: (702) 493-8111

EMAIL: jim@gypsumresources.com

NATURE OF BUSINESS:
SIC code 1499: Miscellaneous Nonmetallic Minerals, Except Fuels
NAICS code 212399: All Other Nonmetallic Mineral Mining

Issued by the Clark County Department of Environment and Sustainability/Division of Air Quality in accordance with Section 12.5 of the Clark County Air Quality Regulations.

Santosh Mathew, Permitting Manager

EXECUTIVE SUMMARY

Blue Diamond Hill Gypsum is a gypsum processing operation, located in Hydrographic Area of 212 (Las Vegas Valley). Hydrographic Area 212 is currently designated as an attainment area for all regulated air pollutants except ozone, for which it was classified as a moderate nonattainment area on January 5, 2023.

Blue Diamond Hill Gypsum is not a categorical source, as defined in AQR 12.2.2(j), and as a result, the fugitive emissions from stockpiles, haul roads, drilling, blasting, and overburden removal will not be taken into account, when calculating and/or determining the emissions for source status.

Without the fugitive emissions taken into account, Blue Diamond Hill Gypsum is a major Part 70 source of NO_x, a synthetic minor source of PM_{10}, a synthetic minor source of $PM_{2.5}$, and a minor source of CO, SO_2, VOC, and HAP.

Blue Diamond Hill Gypsum is also a source of greenhouse gases (GHG), and DAQ will continue to require Blue Diamond Hill Gypsum to estimate the facility's GHG emissions in terms of each individual pollutant (CO_2, CH_4, N_2O, SF_6 etc). The facility's GHG emissions are provided in this technical support document for informational purposes.

After a technical review of the application (submitted by Blue Diamond Hill Gypsum), DAQ is issuing a Part 70 Operating Permit Renewal. This will include a reconfiguration of various emission units at the gypsum processing plant as well as incorporating the new emission units from the authority to construct, issued on August 16, 2023.

The aggregate equipment at Blue Diamond Hill Gypsum will be subject to the federal requirements of 40 CFR Part 60 Subpart OOO and the continuous-duty generators will be subject to federal requirements of 40 CFR Part 60 Subpart IIII and 40 CFR Part 63 Subpart ZZZZ.

Blue Diamond Hill Gypsum will continue to be designated as an existing Part 70 stationary source, with the Source PTE provided below in Table ES-1.

Table ES-1. Source PTE – Summary (tons per year)

Pollutants	PM_{10}	$PM_{2,}5$	NO_x	CO	SO_2	VOC	HAP	GHG
PTE (without fugitives)	32.54	8.77	100.76	34.83	0.12	12.89	0.19	10,233.57
PTE (with fugitives)	138.57	20.22	103.14	47.12	0.12	12.89	0.19	10,233.57

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Common Acronyms and Abbreviations

(These terms may be seen in the permit)

Acronym	Term
ANFO	ammonium nitrate-fuel oil
AQR	Clark County Air Quality Regulation
ATC	Authority to Construct
BLM	Bureau of Land Management
CF	control factor
CFR	Code of Federal Regulations
CO	carbon monoxide
CO_2	carbon dioxide
CO_2e	carbon dioxide equivalent
CD	control device
DAQ	Division of Air Quality
DES	Clark County Department of Environment and Sustainability
DOM	date of manufacture
EF	emissions factor
EPA	U.S. Environmental Protection Agency
EU	emission unit
g/dscm	gram per dry standard cubic meter
gr/dscf	grains per dry standard cubic feet
GHG	greenhouse gas
HA	Hydrographic Area
HAP	hazardous air pollutant
hp	horsepower
kW	kilowatts
MMBtu/hr	Million British Thermal Units per Hour
NAAQS	National Ambient Air Quality Standard
NAICS	North American Industry Classification System
NO_X	nitrogen oxide(s)
$PM_{2.5}$	particulate matter less than 2.5 microns in aerodynamic diameter
PM_{10}	particulate matter less than 10 microns in aerodynamic diameter
PSD	prevention of significant deterioration
PTE	potential to emit
RACT	Reasonably Achievable Control Technology
SCC	Source Classification Code
SIC	Standard Industrial Classification
SIP	State Implementation Plan
SO_2	sulfur dioxide

Acronym	Term
SOP	standard operating procedure
TDS	Total Dissolved Solids
TPH	tons per hour
UTM	Universal Transverse Mercator
VGF	vibrating grizzly feeder
VMT	vehicle miles traveled
VOC	volatile organic compound

1.0 EQUIPMENT

1.1 EMISSION UNITS

The stationary source covered by this Part 70 Operating Permit (Part 70 OP) consists of the emission units and associated appurtenances, summarized in Table 1-1. *[ATC February 17, 2017 and AQR 12.5.2.3]*

Table 1-1. List of Emission Units

EU	Rating	Description	Make	MN	SN
Gypsum Processing Plant					
A00		Truck Unloading			
A01	800 TPH	Loader to VGF			
		VGF [1]			
A02		VGF Underbelt			
A03		Reject Conveyor			
A39	350 TPH	Reject Screen [1]	Terex	TSV820338	TRXV8203 VDUEE1817
A04		Screen Underbelt			
A06		Recirc Conveyor (to VGF)			
A09		Reject Underbelt			
A33		Reject Stacker			
A05	760 TPH	Jaw Crusher (with underbelt) [1]	Terex	CRJ3255	TRX3255 JK0KMH1495
A07		Conveyor [1]			
A11		West Conveyor			
A08	800	West Screen [1]	Terex	TSV820338	TRXV8203 JDUHG2690
A12		West Underbelt			
A48		Cone Conveyor			
A34	250	Cone Crusher [1]	Terex	MVP450x	
A35		Cone Underbelt			
A40		Recirc Conveyor #2			
A36a		Conveyor System (2 belts)			

EU	Rating	Description	Make	MN	SN
A10a		Chute (enclosed)			
A36b		Conveyor System (5 belts)			
A38		Stacker 2"			
A41a		Conveyor System (2 belts)			
A41b		Conveyor System (5 belts)			
A79		Stacker 1/8"			
Wash Plant					
A82		Conveyor System (with 2 belts)			
A83	300	VSI Crusher (with underbelt) [1]			
A85		Loader			
A81a		Wash Plant	Superior	Aggredry	
A81b		Stacker			
A81c		Stacker			
A81d		Stacker			
A86a		Wash Plant			
A86b		Stacker			
A86c		Stacker			
A86d		Stacker			
Truck Loading					
E01		Loader to Hopper			
E02		Conveyor to Conveyor			
		Conveyor to Truck			
E03		Loader to Hopper			
E04		Conveyor to Conveyor			
		Conveyor to Truck			
F01		Loader to Hopper			
F02		Conveyor to Conveyor			
		Conveyor to Truck			

EU	Rating	Description	Make	MN	SN
Miscellaneous					
A001	Blasting				
A002	Overburden Removal				
A003	Drilling				
A32	Stockpiles – 25.0 acres				
B01	Unpaved Haul Road (RT = 4.00 miles) – BLM				
B02	Unpaved Haul Road (RT = 1.00 miles) – On-site				
B03	Unpaved Haul Road (RT = 0.80 miles) – Overburden				
B04	Unpaved Haul Road (RT = 1.20 miles) – Raw Material				
Power Generation					
C01	1,500 kW	Continuous-Duty Generator	Caterpillar	XQ1500	G4W00376
	2,206 hp	Diesel Engine DOM 2007	Caterpillar	3512	EBG00282
C07	60 kW	Continuous-Duty Water Pump	John Deere	4045DF150	N/A
	80 hp	Diesel Engine DOM 1998	Power Prime	98DV150	372870
C12	≤ 300 hp	Continuous-Duty Generator	Various	Various	Various
		Diesel Engine DOM 2007+	Various	Various	Various
C13	≤ 300 hp	Continuous-Duty Generator	Various	Various	Various
		Diesel Engine DOM 2007+	Various	Various	Various
C14	≤ 300 hp	Continuous-Duty Generator	Various	Various	Various
		Diesel Engine DOM 2007+	Various	Various	Various
C15	≤ 500 hp	Continuous-Duty Generator	Various	Various	Various
		Diesel Engine DOM 2007+	Various	Various	Various

[1] equipped with baghouse

1.2 INSIGNIFICANT ACTIVITIES

The units in Table 1-2 are present at this source, but are insignificant activities pursuant to AQR 12.5.2.5. The emissions from these units or activities, when added to the PTE of the source, will not make the source major for any additional pollutant.

Table 1-2. Summary of Insignificant Activities

Rating	Description	Make	Model
13 hp	Light Plant Diesel Engine DOM 2006	Kubota	D905BGES01
13 hp	Light Plant Diesel Engine DOM 2006	Kubota	D905BGES01
13 hp	Light Plant Diesel Engine DOM 2006	Kubota	D905BGES01
13 hp	Light Plant Diesel Engine DOM 2011	Mitsubishi	L3E
13 hp	Light Plant Diesel Engine DOM 2011	Mitsubishi	L3E
13 hp	Light Plant Diesel Engine DOM 2007	Mitsubishi	L3E
13 hp	Light Plant Diesel Engine DOM 2007	Mitsubishi	L3E
13 hp	Light Plant Diesel Engine DOM 2008	Mitsubishi	L3E

1.3 NONROAD ENGINES

Pursuant to Title 40, Part 1068.30 of the Code of Federal Regulations (40 CFR Part 1068.30), nonroad engines that are portable or transportable (i.e., not used on self-propelled equipment) shall not remain at a location for more than 12 consecutive months; otherwise, the engine(s) will constitute a stationary reciprocating internal combustion engine (RICE) and be subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 60, Subpart IIII; and/or 40 CFR Part 60, Subpart JJJJ. Stationary RICE shall be permitted as emission units upon commencing operation at this stationary source.

Records of location changes for portable or transportable nonroad engines shall be maintained, and shall be made available to the Control Officer upon request. These records are not required for engines owned and operated by a contractor for maintenance and construction activities as long as records are maintained demonstrating that such work took place at the stationary source for periods of less than 12 consecutive months.

Nonroad engines used on self-propelled equipment do not have this 12-month limitation or the associated recordkeeping requirements.

2.0 CONTROLS

2.1 CONTROL DEVICES

1. The permittee shall operate each baghouse at all times any affected emission unit is operating, as indicated in Table 2-1. *[ATC February 17, 2017, Section IV B, Condition 7 and ATC September 7, 2023, Section 3.1, Condition 1]*

Table 2-1: Summary of Add-On Control Devices

EU	Device Type	Manufacturer	MN	Pollutant
A05, A07, A08, A34, A83	Baghouse 1	Southern Felt	120TA12	PM_{10} / $PM_{2.5}$
A01, A39	Baghouse 2	Southern Felt	80TA12	PM_{10} / $PM_{2.5}$

2. The permittee shall vent particulate emissions from the crushers (EUs: A05, A34, and A83), the screens (EUs: A08 and A39), the vibrating grizzly feeder (EU: A01), and the conveyor belt (EU: A07) to a baghouse (Baghouse 1 and/or Baghouse 2) at all times the processing equipment is in operation. *[ATC February 17, 2017, Section IV B, Condition 5 and ATC September 7, 2023, Section 3.1, Condition 4]*

3. The permittee shall operate and maintain Baghouse 1 and/or Baghouse 2, so as to effectively control particulate emissions at all times the processing equipment (see Table 2-1) is in operation. *[ATC February 17, 2017, Section IV B, Condition 6 and ATC September 7, 2023, Section 3.1, Condition 3]*

4. The permittee shall operate and maintain Baghouse 1 and/or Baghouse 2, in order to achieve a particulate control efficiency of 99.0% while the processing equipment (see Table 2-1) is in operation. *[HOO dated August 15, 2016 & ATC February 17, 2017, Section IV B, Condition 8 and ATC September 7, 2023, Section 3.1, Condition 5]*

5. The permittee shall maintain an effective seal around Baghouse 1 and/or Baghouse 2, by correcting all leaks adversely affecting the performance of each baghouse. *[ATC February 17, 2017, Section IV B, Condition 9 and AQR 12.5.2.6(b)]*

6. The permittee shall maintain the pressure drop across Baghouse 1 within the range specified by the manufacturer, which is a 0.50" – 8.0" water column. *[ATC February 17, 2017, Section IV B, Condition 10 and ATC September 7, 2023, Section 3.1, Condition 6]*

7. The permittee shall maintain the pressure drop across Baghouse 2 within the range specified by the manufacturer, which is a 0.50" – 8.0" water column. *[ATC February 17, 2017, Section IV B, Condition 10]*

2.2 CONTROL REQUIREMENTS

Gypsum Processing and Truck Loading

1. The permittee shall incorporate, and maintain in good operating condition at all times, an effective water suppression system to control visible emissions within allowable opacity limits for the transfer points, drop points, drilling, and overburden operations. *[MSP September 10, 2013, Section IV B, Condition 2, HOO dated September 27, 2013, and ATC September 7, 2023, Section 3.2, Condition 1]*

2. The permittee shall maintain the moisture for any gypsum processes not controlled by the baghouses by applying moisture at a minimum of 1.5% in materials less than 0.25" in diameter, which will maintain an 81.5% control on PM_{10} emissions (EUs: A36b, A41b, A33, A38, A79, E01, E02, and E04). *[ATC February 17, 2017, Section IV B, Condition 2]*

3. The permittee shall employ adequate water sprays at pertinent locations where moisture is required to ensure compliance with moisture and opacity limits. *[MSP September 10, 2013, Section IV B, Condition 3 and ATC September 7, 2023, Section 3.2, Condition 1]*

4. The permittee shall operate the chute (EU: A10a) as an enclosed process, to control all fugitive emissions. *[Significant Revision to the Part 70 Operating Permit received May 12, 2022, and Supplemental Information received on September 7, 2023]*

Wash Plant

5. The permittee shall operate and maintain the wash plant (EUs: A81a, A81b, A81c, A81d] as a wet process to control all visible emissions, except the dry material loading into the wash plant. *[ATC May 4, 2022, Section 2.2, Condition 3]*

6. The permittee shall operate and maintain the wash plant (EUs: A86a, A86b, A86c, and A86d) as a wet process to control all visible emissions, except the dry material loading into the wash plant. *[ATC September 7, 2023, Section 3.2, Condition 2]*

Drilling and Blasting

7. The permittee shall have a water truck available and utilized during all drilling and blasting operations. *[STL contained in HOO dated September 27, 2013]*

8. The permittee shall water the disturbed soils to form a crust immediately following blasts and safety clearance. *[HOO dated September 27, 2013]*

9. The permittee shall maintain the moisture for the drilling operations by applying moisture at a minimum of 2.5% in materials less than 0.25" in diameter, which will maintain a 90% control on PM_{10} emissions. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

10. The permittee shall pre-water surface soils and maintain them in a stabilized condition where drills, support equipment, and vehicles will operate. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

11. The permittee shall have a water source available and utilized during all drilling and blasting operations to minimize emissions. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

12. The permittee shall document current and predicted weather conditions, as provided by the National Weather Service, before setting explosive charges in holes. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

13. If the current forecast is for wind gusts of 25 mph or greater or if winds are forecast to be 25 mph or greater within the next 24 hours, the permittee shall not charge any blast holes. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

14. Blasting shall not occur when wind gusts of 25 mph or more are forecast by the National Weather Service, or during the duration of a DAQ-issued construction notice or dust advisory, unless holes were already charged at the time of the forecast. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

15. The permittee shall not conduct blasting within 1,500 feet of a residential area, occupied building, or major roadway when the wind direction could affect these areas. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

16. The permittee shall water the disturbed soils or blast material to stabilize the area immediately following the blast and all-clear signal. *[AQR 12.5.2.6(b); AQR 40.1; and AQR 41.1]*

Overburden

17. The permittee shall maintain the moisture for the overburden operations by applying moisture at a minimum of 2.5% in materials less than 0.25" in diameter, which will maintain a 90% control on PM_{10} emissions. *[ATC February 17, 2017, Section IV B, Condition 3]*

Continuous-Duty Generators / Water Pump

18. The permittee shall operate and maintain each of the continuous-duty generators (EUs: C01, C12, C13, C14, and C15) and the continuous-duty water pump (EU: C07) in accordance with the manufacturer's O&M manual for emissions-related components. *[ATC February 17, 2017, Section IV-B, Condition 12; 40 CFR Part 60 Subpart IIII; and 40 CFR Part 63 Subpart ZZZZ]*

19. The permittee shall only combust diesel fuel with a maximum sulfur content of 15 ppm and either a minimum cetane index of 40 or a maximum aromatic content of 35% by volume in the continuous-duty generators (EUs: C01, C12, C13, C14, and C15). *[40 CFR 60.4207(b)]*

20. The permittee shall maintain the continuous-duty water pump (EU: C07) as follows, unless the manufacturer's specifications are more stringent: *[ATC February 17, 2017, Section IV-B, Condition 13; and 40 CFR Part 63 Subpart ZZZZ]*

    a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first;

    b. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first; and

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

21. The permittee may utilize an oil analysis program described in Part 63.6625(i) to extend the specified oil change requirement, and can petition the Control Officer pursuant to the requirements of 40 CFR Part 63.6(g) for alternative work practices.

22. During startup periods, the permittee shall minimize the time the continuous-duty diesel water pump (EU: C07) spends at idle, and shall minimize engine startup time to a period needed for appropriate and safe loading of the engine (not to exceed 30 minutes), after which non-startup emission limitations apply. *[ATC February 17, 2017, Section IV B, Condition 14; and 40 CFR Part 63.6603(a)]*

Haul Roads/Disturbed Surfaces/Stockpiles

23. The permittee shall not track out onto a paved road any mud or dirt that extends 50 feet or more in cumulative length from the point of origin, nor allow any trackout to accumulate to a depth greater than 0.25 inches. All accumulations of mud or dirt on curbs, gutters, sidewalks, or paved roads, including trackout less than 50 feet in length and 0.25 inches in depth, shall be cleaned of all observable deposits and maintained to eliminate emissions of fugitive dust. *[STL contained in HOO dated September 27, 2013 & ATC February 17, 2017, Section IV B, Condition 18]*

24. The permittee shall use daily control measures to remove any rock debris along the paved portion of Highway 159 that junctions with the unpaved BLM access roadway leading to the mine, including the designated bike lanes along Highway 159. *[STL contained in HOO dated September 27, 2013]*

25. The permittee shall control fugitive dust emissions from any disturbed open area or disturbed vacant lot owned or operated by the permittee by paving, applying gravel, applying a dust palliative, or applying water to form a crust. *[STL contained in HOO dated September 27, 2013 & ATC February 17, 2017, Section IV B, Condition 19]*

26. The permittee shall implement long-term stabilization of disturbed surfaces when the stationary source, or a portion thereof, is to be closed or idled for 30 days or more within 10 days of cessation of active operations. Long-term stabilization includes, but is not limited to, one or more of the following: applying water to form a crust, applying palliatives, applying gravel, paving, denying unauthorized access, or other effective control measure to prevent fugitive dust from becoming airborne. *[MSP September 10, 2013, Section IV B, Condition 5 & STL contained in HOO dated September 27, 2013]*

27. The permittee shall control PM emissions from any unpaved parking lot owned or operated by the permittee by paving, applying a dust palliative, or using an alternative method approved by the Control Officer, regardless of the number of days of its use. *[ATC February 17, 2017, Section IV B, Condition 21]*

28. The permittee shall allow no blasting when the National Weather Service forecasts wind gusts above 25 miles per hour (mph), or when DAQ issues a construction advisory or dust advisory. *[MSP September 10, 2013, Section IV B, Condition 6 & STL contained in HOO dated September 27, 2013]*

29. The permittee shall water down and apply chemical suppressant to unpaved access and mine haul roads and unpaved areas to provide additional dust control. The stabilizations standards and test methods referenced in AQR Subsection 91.2.1.4 and 91.4 will be utilized to monitor the emissions from the subject roadways and frequency as to when additional applications of a chemical suppressant will be applied to the roadway to prevent fugitive dust emissions. *[MSP September 10, 2013, Section IV B, Condition 7 and STL contained in HOO dated September 27, 2013]*

30. The permittee shall water, for fugitive dust control, the BLM portion of the access haul road to ensure on-going compliance with the AQR. The permittee shall monitor the roadway daily and at any time visible emissions become visible, and employ the stabilization standards and test methods contained in AQR Subsection 91.4 which will determine the frequency of watering the unpaved roadway. *[MSP September 10, 2013, Section IV B, Condition 8 & STL contained in HOO dated September 27, 2013]*

31. The permittee shall post and enforce a speed limit of 15 mph on the unpaved access haul road from the paved highway to the mine site. *[MSP September 10, 2013, Section IV B, Condition 9 & STL contained in HOO dated September 27, 2013]*

32. The permittee shall insure that haul trucks, after loading, be covered to ensure that materials will not be deposited on the roadway. This condition applies to trucks regardless of whether they are owned and operated by the permittee. *[MSP September 10, 2013, Section IV B, Condition 10 & STL contained in HOO dated September 27, 2013]*

33. The permittee shall require haul truck drivers to clean and remove any loose debris from the haul trucks prior to leaving the mine property. This condition applies to trucks regardless of whether they are owned and operated by the permittee. *[MSP September 10, 2013, Section IV B, Condition 11 & STL contained in HOO dated September 27, 2013]*

34. The permittee shall water all unpaved haul roads that are in use and stockpiles to the extent that the opacity limits are continually complied with. *[AQR 12.5.2.6(d)]*

35. The permittee shall treat unpaved roads located on the stationary source to keep visible emissions within allowable opacity limits. Treatment shall consist of watering, chemical or organic dust suppression, paving, gravelling, or equivalent control measures. *[AQR 12.5.2.6(d)]*

36. The permittee shall sweep and/or rinse as necessary all paved roads accessing or located at the site to remove all observable deposits. *[AQR 12.5.2.6(d)]*

Other

37. The permittee shall not cause, suffer, or allow any source to discharge air contaminants (or other materials) in quantities that will cause a nuisance, including excessive odors. *[MSP September 10, 2013, Section IV B, Condition 17; AQR 40; and AQR 43]*

38. The permittee shall not cause or allow fugitive dust to become airborne without taking reasonable precautions. *[MSP September 10, 2013, Section IV B, Condition 1; and STL contained in HOO dated September 27, 2013]*

39. The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner that allows or may allow controllable PM to become airborne. *[AQR 41.1.2]*

40. The permittee shall implement control measures when handling, transporting, or storing any material to prevent the release of a dust plume that extends 100 yards from the point of origin or beyond the lot line of the property on which the emissions originate, horizontally or vertically, whichever is less. *[MSP September 10, 2013, Section IV B, Condition 4; and STL contained in HOO dated September 27, 2013]*

3.0 LIMITATIONS AND STANDARDS

3.1 OPERATIONAL LIMITS

Gypsum Processing Operation and Truck Loading

1. The permittee shall limit the throughput of material at the gypsum processing operation (EUs: A82, A83, and A85) to 400,000 tons in any consecutive 12-month period. *[ATC application (12/8/22) and AQR 12.4.3.4(a)(10)]*

2. The permittee shall limit the total truck loading for shipping of material to 1,280,000 tons in any consecutive 12-month period (EUs: E01, E02, E03, E04, F01, and F02). *[Significant Revision of Part 70 Operating Permit received August 18, 2018]*

3. The permittee shall limit the total throughput of materials for production of both 1/8" and 2" products to 1,280,000 tons in any consecutive 12-month period. *[ATC February 17, 2017, Section IV A, Condition 3(e)]*

4. The permittee shall not allow any operational activities, which includes truck loading, on Sundays. *[ATC February 17, 2017, Section IV-A, Condition 3(a)]*

5. The permittee is limited to operating 16 hours per day during the weekdays (Monday through Friday) and 10 hours per day on Saturday, which includes truck loading. *[ATC February 17, 2017, Section IV A, Condition 3(b)]*

Wash Plant

6. The permittee shall limit the throughput of material at the wash plant (EUs: A81a, A81b, A81c, and A81d) to 400,000 tons in any consecutive 12-month period. *[ATC application (9/1/2021) and AQR 12.4.3.4(a)(10)]*

7. The permittee shall limit the throughput of material at the wash plant (EUs: A86a, A86b, A86c, and A86d) to 400,000 tons in any consecutive 12-month period. *[ATC application (12/8/22) and AQR 12.4.3.4(a)(10)]*

Drilling and Blasting Operation

8. The permittee shall limit the drilling operation (EU: A003) to 14,000 holes in any consecutive 12-month period. *[Significant Revision to the Part 70 Operating Permit received August 18, 2018]*

9. The permittee shall limit the blasting operation (EU: A001) to 200 detonations in any consecutive 12-month period. *[Significant Revision to the Part 70 Operating Permit received August 18, 2018]*

10. The permittee shall limit the blasting operation (EU: A001) to 25,000 square feet per detonation. *[Significant Revision to the Part 70 Operating Permit received August 18, 2018]*

11. The permittee shall limit the consumption of ammonium nitrate-fuel oil (ANFO) for all blasting activities to 600 tons (of ANFO) in any consecutive 12-month period (EU: A001). *[Significant Revision to the Part 70 Operating Permit received August 18, 2018]*

Overburden

12. The permittee shall limit the overburden operation (EU: A002) to 3,400,000 tons in any consecutive 12-month period. *[ATC February 17, 2017, Section IV A, Condition 3(f)]*

Stockpiles

13. The permittee shall limit the total stockpile area to 25 acres at any given time (EU: A32). *[Significant Revision to the Part 70 Operating Permit received August 18, 2018]*

Unpaved Haul Roads

14. The permittee shall limit the unpaved Bureau of Land Management (BLM) access road to 96,000 vehicle miles traveled (VMT) in any consecutive 12-month period (EU: B01). *[ATC May 4, 2022, Section 3.1, Condition 2]*

15. The permittee shall limit the unpaved roads for on-site operations to 24,000 VMT in any consecutive 12-month period (EU: B02). *[ATC May 4, 2022, Section 3.1, Condition 3]*

16. The permittee shall limit the unpaved roads for overburden operations to 33,600 VMT in any consecutive 12-month period (EU: B03). *[ATC May 4, 2022, Section 3.1, Condition 4]*

17. The permittee shall limit the unpaved roads for raw material operations to 50,400 VMT in any consecutive 12-month period (EU: B04). *[ATC May 4, 2022, Section 3.1, Condition 5]*

Continuous-Duty Generators / Water Pump

18. The permittee shall limit the operation of the continuous-duty generator (EU: C01) and the continuous-duty water pump (EU: C07) to 4,200 hours in any consecutive 12-month period. *[ATC February 17, 2017, Section IV A, Condition 3(k); ATC application (12/8/22); AQR 12.4.3.4(a)(10);]*

19. The permittee shall limit the operation of the continuous-duty generators (EUs: C12, and C13) to 6,500 hours in any consecutive 12-month period. *[Significant Permit Revision to the Part 70 OP received August 18, 2018; ATC application (12/8/22); and AQR 12.4.3.4(a)(10)]*

20. The permittee shall operate the continuous-duty generators (EUs: C12-C14) with a rating, less than or equal to, 300 horsepower. *[ATC application (12/8/22) and AQR 12.4.3.4(a)(10)]*

21. The permittee shall operate the continuous-duty generator (EU: C15) with a rating, less than or equal to, 500 horsepower.

22. The permittee shall operate the continuous-duty generators (EUs: C12-C15) with a date of manufacture, greater than or equal to, 2007.

23. The permittee shall limit the operation of the continuous-duty generator (EU: C15) to 4,200 hours in any consecutive 12-month period. *[ATC application (12/8/22) and AQR 12.4.3.4(a)(10)]*

3.2 EMISSION LIMITS

1. The permittee shall not allow actual emissions from the individual emission units to exceed the calculated PTE listed in Table 3-1 on a consecutive 12-month total. *[Part 70 Operating Permit (11/13/2017); Application for Significant Revision (8/17/2018), ATC application (12/8/22)]*

Table 3-1: Emission Unit PTE (tons per year)

EU	Condition	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP
A00	1,280,000 tons	5.12	0.38	0	0	0	0	0
A01	1,280,000 tons	0.51	0.04	0	0	0	0	0
A39	560,000 tons	0.22	0.02	0	0	0	0	0
A33	560,000 tons	2.07	0.57	0	0	0	0	0
A05	1,280,000 tons	0.83	0.16	0	0	0	0	0
A11	1,280,000 tons	0.64	0.19	0	0	0	0	0
A08	1,280,000 tons	0.51	0.04	0	0	0	0	0
A34	400,000 tons	0.26	0.05	0	0	0	0	0
A36a	1,280,000 tons	1.18	0.36	0	0	0	0	0
A36b	1,280,000 tons	1.18	0.36	0	0	0	0	0
A36b	1,280,000 tons	1.18	0.36	0	0	0	0	0
A36b	1,280,000 tons	1.18	0.36	0	0	0	0	0
A36b	1,280,000 tons	1.18	0.36	0	0	0	0	0
A36b	1,280,000 tons	1.18	0.36	0	0	0	0	0
A38	1,280,000 tons	4.74	1.30	0	0	0	0	0
A82	400,000 tons	0.20	0.06	0	0	0	0	0
A83	400,000 tons	0.26	0.05	0	0	0	0	0
A85	400,000 tons	0.80	0.12	0	0	0	0	0
A001	600 tons ANFO	2.88	0.17	2.38	12.29	0	0	0
A001	200 blasts							
A002	3,400,000 tons	13.60	2.04	0	0	0	0	0

EU	Condition	PM_{10}	$PM_{2.5}$	NO_x	CO	SO_2	VOC	HAP
A003	14,000 holes	4.76	0.28	0	0	0	0	0
A32	25.0 acres	7.57	1.14	0	0	0	0	0
B01	96,000 miles	36.34	3.68	0	0	0	0	0
B02	24,000 miles	9.08	0.92	0	0	0	0	0
B03	33,600 miles	12.72	1.29	0	0	0	0	0
B04	50,400 miles	19.08	1.93	0	0	0	0	0
C01	4,200 hours	0.41	0.41	67.20	8.89	0.06	1.63	0.05
C07	4,200 hours	0.37	0.37	5.21	1.12	0.01	0.42	0.01
C12	6,500 hours	0.32	0.32	6.41	5.61	0.01	2.45	0.03
C13	6,500 hours	0.32	0.32	6.41	5.61	0.01	2.45	0.03
C14	8,760 hours	0.43	0.43	8.63	7.56	0.02	3.30	0.04
C15	4,200 hours	0.35	0.35	6.90	6.04	0.01	2.64	0.03
E01	1,280,000 tons	4.74	0.71	0	0	0	0	0
E02	1,280,000 tons	1.18	0.36	0	0	0	0	0
E02	1,280,000 tons	1.18	0.36	0	0	0	0	0

Opacity – General

2. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20% opacity for a period of more than six consecutive minutes (EUs: A001, A002, A003, A00, A01, A32, B01, B02, B03, B04, C01, C06, C07, C12, C13, C14, and C15). *[MSP September 10, 2013, Section IV-A, Condition 2(a); ATC application (12/8/22); and AQR 26.1]*

Opacity – Gypsum Processing Operation

3. The permittee shall not exhibit fugitive emissions with an average opacity in excess of 12% based on the average of five 6-minute averages, in accordance with the procedures specified in EPA Method 9, from crushers (EUs: A05, A34, and A83) that commenced construction, modification, or reconstruction after April 22, 2008. *[MSP September 10, 2013, Section IV-A, Condition 2(c); 40 CFR Part 60.672; 40 CFR Part 60.675; and 40 CFR Part 60.11]*

4. The permittee shall not exhibit fugitive emissions with an average opacity in excess of 7% based on the average of five 6-minute averages, in accordance with the procedures specified in EPA Method 9, from screens (EUs: A01, A39, and A08) and transfer points on belt conveyors (EUs: A03, A06, A07, A09, A11, A12, A35, A36a, A36b, A40, A41a, A41b, A48, A82, A85, E01, E02, E03, E04, F01 & F02) that commenced construction,

modification, or reconstruction after April 22, 2008. *[MSP September 10, 2013, Section IV-A, Condition 2(b); 40 CFR Part 60.672; 40 CFR Part 60.675; 40 CFR Part 60.11; and ATC application (12/8/22)]*

5. The permittee shall not exhibit visible emissions from the chute (EU: A10a), specified in this document as an enclosed process. *[Significant Revision to the Part 70 Operating Permit received May 12, 2022 and Supplemental Information received on September 7, 2023]*

Opacity – Wash Plant

6. The permittee shall not exhibit visible emissions from units this permit identifies as a wet process (EUs: A81a, A81b, A81c, A81d, A86a, A86b, A86c, and A86d). *[AQR 12.5.2.6(b)]*

Opacity – Baghouse

7. The permittee shall not discharge visible emissions from Baghouse 1 (see Table 2-1) that exhibit an opacity in excess of 7% based on the average of ten 6-minute averages, in accordance with the procedures specified in EPA Method 9. *[MSP September 10, 2013, Section IV-A, Condition 2(b); 40 CFR Part 60.672; 40 CFR Part 60.675; and 40 CFR Part 60.11]*

8. The permittee shall not discharge visible emissions from Baghouse 2 (see Table 2-1) that exhibit an opacity in excess of 7% based on the average of ten 6-minute averages, in accordance with the procedures specified in EPA Method 9. *[MSP September 10, 2013, Section IV-A, Condition 2(b); 40 CFR Part 60.672; 40 CFR Part 60.675; and 40 CFR Part 60.11]*

9. The permittee shall not discharge particulate matter emissions from Baghouse 1 (see Table 2-1) in excess of 0.032 g/dscm (0.014 gr/dscf) from emission units that commenced construction, modification, and/or reconstruction after April 22, 2008. *[ATC February 17, 2017, Section IV-A, Condition 2(d); 40 CFR Part 60.672; 40 CFR Part 60.675; 40 CFR Part 60.11]*

10. The permittee shall not discharge particulate matter emissions from Baghouse 2 (see Table 2-1) in excess of 0.032 g/dscm (0.014 gr/dscf) from emission units that commenced construction, modification, and/or reconstruction after April 22, 2008. *[ATC February 17, 2017, Section IV-A, Condition 2(d); 40 CFR Part 60.672; 40 CFR Part 60.675; 40 CFR Part 60.11]*

11. The permittee shall not allow actual emissions from each emission unit to exceed the rates listed in Table 3-2. *[ATC February 17, 2017, Section IV-A, Condition 2(e); and AQR 12.5.2.6(b)]*

Table 3-2. Emission Rate (lb/hr)

Control Device	EU	PM_{10}	$PM_{2.5}$
		lb/hr	lb/hr
Baghouse 1	A05, A07, A08, A34, and A83	2.43	0.40
Baghouse 2	A01 and A39	0.92	0.07

4.0 COMPLIANCE DEMONSTRATION REQUIREMENTS

4.1 MONITORING

Visible Emissions

1. The permittee shall conduct two daily visual emissions checks, using Method 22, on all emission units while they are in operation. *[HOO dated August 15, 2016; and ATC February 17, 2017, Section V-A, Condition 1]*

2. If the permittee, during the visible emissions check, does not see any plume that, on an instantaneous basis, appears to exceed the opacity standard, then the observer shall keep a record of the name of the observer, the date on which the observation was made, the location, and the results of the observation. *[MSP September 10, 2013, Section IV-C, Condition 2]*

3. If the permittee sees a plume that, on an instantaneous basis, appears to exceed the opacity standard, the permittee shall: *[MSP September 10, 2013, Section IV-C, Condition 3]*

    a. Take immediate action to correct causes of fugitive/stack emissions that appear to exceed allowable opacity limits; and

    b. Have a certified observer take an EPA Method 9 observation of the plume and record the results, and take immediate action to correct causes of fugitive emissions in excess of allowable opacity limits in accordance with 40 CFR Part 60, Appendix A-4, "Test Methods 6 through 10B: Method 9—Visual Determination of the Opacity of Emissions from Stationary Sources."

4. Visible emissions checks do not require a certified observer, except where visible emissions appear to exceed the allowable opacity limit and exceed 30 seconds in duration, and an EPA Method 9 observation is made to establish it does not exceed the standard. *[MSP September 10, 2013, Section IV-C, Condition 4]*

5. The permittee shall have a certified opacity reader on-site at all times the facility is in operation. *[MSP September 10, 2013, Section IV-C, Condition 13; AQR 12.5.2.6(d); and AQR 12.5.2.8]*

Gypsum Processing Operation

6. The permittee shall visually inspect, each day of operation, the water spray system at all emission units controlled through water suppression and monitor its effectiveness. Inspections shall include, but not be limited to, flow rates, leaks, and nozzle conditions, as applicable. The permittee shall either replace ineffective spray nozzles immediately or shut down the subject processing equipment until repairs can be completed to the water spray suppression system, as applicable. *[STL contained in HOO dated September 27, 2013; and ATC February 17, 2017, Section V-A, Condition 6]*

7. The permittee shall monitor the daily hours of operation at the source – Blue Diamond Hill Gypsum. *[ATC February 17, 2017, Section V-A, Condition 7]*

8. The permittee shall monitor, each day of operation, the throughput of all mineral products (in tonnage) at the gypsum processing operation, and calculate the total throughput on a monthly basis. *[ATC February 17, 2017, Section V-A, Condition 8]*

9. The permittee shall have an adequate number of water trucks on-site at all times to control dust emissions from the site and constantly use them to control dust emissions. *[STL contained in HOO dated September 27, 2013]*

10. The permittee shall check the water trucks, each day of operation, and monitor the following: *[HOO dated August 15, 2016 and ATC February 17, 2017, Section V-A, Condition 15]*

    a. Amount of water used.

    b. Any maintenance conducted on the water trucks.

Truck Loading

11. The permittee shall monitor, each day of operation, the total truck loading for shipping of all mineral products (in tonnage), and calculate the total on a monthly basis (EUs: E01, E02, E03, E04, F01, and F02). *[ATC February 17, 2017, Section V-A, Condition 6]*

Wash Plant

12. The permittee shall monitor, each day of operation, the throughput of all mineral products (in tonnage) at the Wash Plant (EUs: A81a, A81b, A81b, and A81d), and calculate the total throughput on a monthly basis. *[ATC April 21, 2022, Section 3.1, Condition 1]*

13. The permittee shall monitor, each day of operation, the throughput of all mineral products (in tonnage) at the Wash Plant (EUs: A86a, A86b, A86c, and A86d), and calculate the total throughput on a monthly basis. *[ATC application (12/8/22) and AQR 12.4.3.4(a)(10)]*

Drilling and Blasting

14. The permittee shall monitor the number of holes drilled for blast on a monthly basis (EU: A003). *[Part 70 Permit application received August 19, 2016]*

15. The permittee shall monitor the number of blasts on a monthly basis (EU: A001). *[Significant Permit revision application received August 18, 2018]*

16. The permittee shall monitor the area blasted per each blast and record it for inclusion in the monthly total blasting area (EU: A001). *[ATC February 17, 2017, Section V A, Condition 9]*

17. The permittee shall monitor the amount of ANFO used during each blast, and calculate the total on monthly basis (EU: A001). *[ATC February 17, 2017, Section V A, Condition 10]*

Overburden [AQR 12.1.4.1(d)]

18. The permittee shall monitor the production of overburden (in tonnage), and calculate the total throughput on a monthly basis (EU: A002). *[Part 70 Permit application received August 19, 2016]*

Continuous-Duty Generators / Water Pump [AQR 12.5.2.6(d) & AQR 12.5.2.8]

19. The permittee shall operate each continuous-duty generator (EUs: C01, C12, C13, C14, and C15) and the continuous-duty water pump (EU: C07) with a nonresettable hour meter and monitor / calculate, each month, the hours of operation of each emission unit. *[ATC February 17, 2017, Section V-A, Condition 16]*

20. The permittee shall monitor the sulfur content, and cetane index or aromatic content of the fuel burned in each continuous-duty generator (EUs: C01, C12, C13, C14, and C15) and the continuous-duty water pump (EU: C07), by retaining a copy of vendor fuel specifications. *[40 CFR 60.4207(b) and 40 CFR 63.6604(b)]*

Baghouse 2 on EUs: A01 and A39

21. The permittee shall conduct daily monitoring of the pressure drop across each baghouse cell with the installation and operation of a pressure differential (Magnehelic) gauge per manufacturer's specifications. *[ATC February 17, 2017, Section V-A, Condition 17]*

22. The permittee shall conduct the following monthly external inspections of each baghouse while it is running to ensure that equipment is maintained in good working order and operated according to manufacturer's specifications: *[ATC February 17, 2017, Section V-A, Condition 18]*

    a. Verification of the pulse timing sequence;

    b. Verification that the cleaning system does not appear unusual, and that fans are running and do not exhibit unusual sounds or vibrations; and

    c. Verification that seams, connections, and housings are sealed and leak-free, including walls, hoppers, ducting, and piping.

23. If an inspection shows that maintenance is necessary, the permittee shall schedule and complete such maintenance within five working days. If the malfunction renders the baghouse ineffective in controlling particulate emissions, material processing shall stop until repairs to the baghouse are completed. *[ATC February 17, 2017, Section V A, Condition 18]*

24. The permittee shall visually inspect each baghouse interior at least annually to determine the internal mechanical integrity of the unit and spot any defects. Defective compartments shall be sealed off and repairs completed within five working days. If the malfunction renders the baghouse ineffective in controlling particulate emissions, material processing shall stop until repairs to the baghouse are completed. *[ATC February 17, 2017, Section V A, Condition 18]*

25. The permittee shall have a standard O&M manual for baghouses. The maintenance procedures in this manual shall, at a minimum, include a schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance. *[ATC February 17, 2017, Section V A, Condition 19]*

26. The permittee shall conduct daily visual observations of baghouse and/or stack discharges to verify that visible emissions are not present in excess of allowable opacity limits, in accordance with the procedures specified in Section 4.1, "Visible Emissions." If excess visible emissions are present, the permittee shall stop the operations producing the emissions until the problem is corrected. *[ATC February 17, 2017, Section V A, Condition 20 & 40 CFR 60.674(c)]*

Baghouse 1 on EUs: A05, A07, A08, A34, and A83

27. The permittee shall conduct daily monitoring of the pressure drop across each baghouse cell with the installation and operation of a pressure differential (Magnehelic) gauge per manufacturer's specifications. *[ATC February 17, 2017, Section V-A, Condition 17 and ATC application (12/8/22)]*

28. The permittee shall conduct the following monthly external inspections of each baghouse while it is running to ensure that equipment is maintained in good working order and operated according to manufacturer's specifications: *[ATC February 17, 2017, Section V-A, Condition 18 and ATC application (12/8/22)]*

    a. Verification of the pulse timing sequence;

    b. Verification that the cleaning system does not appear unusual, and that fans are running and do not exhibit unusual sounds or vibrations; and

    c. Verification that seams, connections, and housings are sealed and leak-free, including walls, hoppers, ducting, and piping.

29. If an inspection shows that maintenance is necessary, the permittee shall schedule and complete such maintenance within five working days. If the malfunction renders the baghouse ineffective in controlling particulate emissions, material processing shall stop until repairs to the baghouse are completed. *[ATC February 17, 2017, Section V A, Condition 18 and ATC application (12/8/22)]*

30. The permittee shall visually inspect each baghouse interior at least annually to determine the internal mechanical integrity of the unit and spot any defects. Defective compartments shall be sealed off and repairs completed within five working days. If the malfunction renders the baghouse ineffective in controlling particulate emissions, material processing shall stop until repairs to the baghouse are completed. *[ATC February 17, 2017, Section V A, Condition 18 and ATC application (12/8/22)]*

31. The permittee shall have a standard O&M manual for baghouses. The maintenance procedures in this manual shall, at a minimum, include a schedule that is consistent with the baghouse manufacturer's instructions for routine and long-term maintenance. *[ATC February 17, 2017, Section V-A, Condition 19 and ATC application (12/8/22)]*

32. The permittee shall conduct daily visual observations of baghouse and/or stack discharges to verify that visible emissions are not present in excess of allowable opacity limits, in accordance with the procedures specified in Section 4.1, "Visible Emissions." If excess visible emissions are present, the permittee shall stop the operations producing the emissions until the problem is corrected. *[ATC February 17, 2017, Section V-A, Condition 20; ATC application (12/8/22); and 40 CFR 60.674(c)]*

Stockpiles [AQR 12.5.2.6(d) & AQR 12.5.2.8]

33. The permittee shall monitor, each month, the total stockpile area (EU: A32). *[MSP September 10, 2013, Section IV C, Condition 10]*

Haul Roads [AQR 12.5.2.6(d) & AQR 12.5.2.8]

34. The permittee shall monitor, each day of operation, the number of VMT on BLM roads by haul trucks entering and leaving, and calculate the total on a monthly basis (EU: B01). *[ATC February 17, 2017, Section V-A, Condition 11]*

35. The permittee shall monitor, each day of operation, the number of VMT on the on-site road by haul trucks entering and leaving, and calculate the total on a monthly basis (EU: B02). *[ATC February 17, 2017, Section V-A, Condition 12]*

36. The permittee shall monitor each day of operation, the number of VMT for overburden operations by haul trucks entering and leaving, and calculate the total on a monthly basis (EU: B03). *[ATC February 17, 2017, Section V-A, Condition 13]*

37. The permittee shall monitor, each day of operation, the number of VMT for raw material hauling by haul trucks entering and leaving, and calculate the total on a monthly basis (EU: B04). *[Significant Permit revision to the Part 70 Permit received August 18, 2018]*

Other [AQR 12.5.2.6(d) & AQR 12.5.2.8]

38. The permittee shall demonstrate compliance with the minimum moisture control requirement by conducting weekly moisture testing and recording the results on materials less than 0.25" in diameter as follows: *[HOO dated August 15, 2016 & ATC February 17, 2017, Section V A, Conditions 21(a) and (b)(1-7)]*

    a. Testing shall be in accordance with Section 17 of ASTM Method C471M16a, "Standard Test Method for Chemical Analysis of Gypsum and Gypsum Products"; and

    b. Samples for moisture testing shall be retrieved from the following locations:

        i. 3rd belt conveyor after the West Screen for 2" product (EU: A36b);

        ii. 3rd belt conveyor after the West Screen for 1/8" product (EU: A41b);

        iii. Reject stockpile (EU: A33);

        iv. 2" stockpile (EU: A38);

v. 1/8" stockpile (EU: A79);

vi. Direct loading from the overburden removal (EU: E01); and

vii. Truck loading conveyor (EU: E02 or E04).

39. The permittee shall also use a third party to conduct monthly moisture testing on three of the seven sample locations, provided that all seven of the sampling locations are tested by the third-party lab every three months. *[ATC February 17, 2017, Section V-A, Condition 22]*

40. The permittee shall allow representatives of Clark County to conduct moisture testing. *[ATC February 17, 2017, Section V-A, Condition 23]*

41. The Control Officer may require additional moisture testing when operating conditions appear inadequate to demonstrate compliance with the emissions and/or limitations in this permit. *[ATC February 17, 2017, Section V-A, Condition 24 & AQR 4.5]*

42. The permittee shall have an SOP manual for the moisture testing that meets the approval of the Control Officer. The procedures specified in the manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with this permit and the manufacturer's instructions for routine and long-term maintenance. *[ATC February 17, 2017, Section V-A, Condition 26]*

4.2 TESTING

Performance Testing – General

1. At the Control Officer's request, the permittee shall test (or have tests performed) to determine emissions of air contaminants from any source whenever the Control Officer has reason to believe that an emission in excess of those allowed by the AQRs is occurring. The Control Officer may specify testing methods to be used in accordance with good professional practice. The Control Officer may observe the testing. All tests shall be conducted by reputable, qualified personnel. *[AQR 4.2]*

2. At the Control Officer's request, the permittee shall provide necessary holes in stacks or ducts and such other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices, as may be necessary for proper determination of the emission of air contaminants. *[AQR 4.2]*

3. The permittee shall submit to the Control Officer for approval a performance testing protocol that contains testing, reporting, and notification schedules, test protocols, and anticipated test dates no less than 45 days, but no more than 90 days, before the anticipated date of the performance test unless otherwise specified in this permit. *[AQR 12.5.2.8]*

4. The permittee shall submit to EPA for approval any alternative test methods EPA has not already approved to demonstrate compliance with a requirement under 40 CFR Part 60. *[40 CFR Part 60.8(b)]*

5. Performance testing is subject to 40 CFR Part 60.8 (as amended), Subpart A, and *Clark County Department of Air Quality Guideline for Source Testing (2/21/2019)*. Performance testing shall be the instrument for determining initial and subsequent compliance with the emission limitations set forth in Table 4-1 and Table 4-2 of this Part 70 OP. *[MSP September 10, 2013, Section IV-D, Condition 3 and AQR 12.5.2.8(a)]*

6. The Control Officer will consider approving the permittee's request for alternative performance test methods if proposed in writing in the performance test protocols. *[MSP September 10, 2013, Section IV-D, Condition 5 and AQR 12.5.2.8(a)]*

7. The permittee of any stationary source that fails to demonstrate compliance with emissions standards or limitations during any performance test shall submit a compliance plan to the Control Officer within 90 days of the end of the performance test. *[MSP September 10, 2013, Section IV-D, Condition 7; AQR 10.1; and AQR 12.5.2.8(a)]*

8. The Control Officer may require additional performance testing when operating conditions appear to be inadequate to demonstrate compliance with the emissions and/or limitations in this Part 70 OP. *[MSP September 10, 2013, Section IV-D, Condition 8; AQR 4.2; and AQR 12.5.2.8(a)]*

Performance Testing on Baghouse 2 (EUs: A01 and A39)

9. The permittee conducted initial performance testing on Baghouse 2 (see Table 2-1 and Table 4-1) on May 18–19, 2017 to demonstrate compliance with the grain loading standard (outlined in 40 CFR Part 60 Subpart OOO) and the mass emission rates (outlined in Table 3-2 of this Part 70 OP). *[ATC February 17, 2017, Section V-B, Condition 2; 40 CFR 60.672; and AQR 12.5.2.8(a)]*

10. The permittee shall conduct subsequent performance testing on Baghouse 2 (see Table 2-1 and Table 4-1), according to the following conditions: *[ATC February 17, 2017, Section V-B, Condition 4 and AQR 12.5.2.8(a)]*

    a. Performance testing on Baghouse 2 (see Table 2-1 and Table 4-1) shall be conducted every five years within 90 days of the anniversary date of the previous successful performance test.

11. The permittee shall utilize the performance testing methodologies for individual emission units, provided in Table 4-1. *[ATC February 17, 2017, Section V-B, Condition 6 and AQR 12.5.2.8(a)]*

Table 4-1. Performance Testing Requirements

EU	Test Point	Pollutant	Test Method	Parameter	Frequency
A01 and A39	Baghouse Exhaust Outlet Stack	PM_{10} / $PM_{2.5}$	5 or 17	g/dscm (gr/dscf)	5 years
A01 and A39	Baghouse Exhaust Outlet Stack	PM_{10} / $PM_{2.5}$	5 or 17	lb/hr	5 years

Performance Testing on Baghouse 1 (EUs: A05, A07, A08, A34, and A83)

12. The permittee conducted initial performance testing on Baghouse 1 (see Table 2-1 and Table 4-2) on June 7-8, 2017, to demonstrate compliance with the grain loading standard (in 40 CFR Part 60 Subpart OOO) and the mass emission rates (outlined in Table 3-1 of this Part 70 OP). *[ATC February 17, 2017, Section V-B, Condition 2; 40 CFR 60.672; and AQR 12.5.2.8(a)]*

13. The permittee shall conduct subsequent performance testing on Baghouse 1 (see Table 2-1 and Table 4-2), according to the following conditions: *[ATC February 17, 2017, Section V-B, Condition 4 and AQR 12.5.2.8(a)]*

    a. Performance testing on Baghouse 1 (see Table 2-1 and Table 4-2) shall be conducted every five years within 90 days of the anniversary date of the previous successful performance test.

14. The permittee shall utilize the performance testing methodologies for individual emission units, provided in Table 4-2. *[ATC February 17, 2017, Section V B, Condition 6 and AQR 12.5.2.8(a)]*

Table 4-2. Performance Testing Requirements

EU	Test Point	Pollutant	Test Method	Parameter	Frequency
A05, A07, A08 A34, A83	Baghouse Exhaust Outlet Stack	PM_{10} / $PM_{2.5}$	5 or 17	g/dscm (gr/dscf)	5 years
A05, A07, A08 A34, A83	Baghouse Exhaust Outlet Stack	PM_{10} / $PM_{2.5}$	5 or 17	lb/hr	5 years

4.3 RECORDKEEPING

1. The permittee shall keep records of all inspections, maintenance, and repairs, as required by this permit. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

2. The permittee shall comply with all applicable recordkeeping requirements of 40 CFR Part 60.7, 40 CFR Part 60 Subpart OOO, 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ, 40 CFR Part 63 Subpart JJJJ, and any other applicable regulations.

3. All records, logs, etc., or copies thereof, shall be kept on-site for a minimum of five years from the date the measurement, or data was entered. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

4. Records and data required by this permit to be maintained by the permittee may be audited at any time by a third party selected by the Control Officer. *[AQR 4.1]*

5. The permittee shall create and maintain the following records, at a minimum, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation. This section is for records that do not need to be reported semiannually. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

Opacity

a. Dates and times when visible emission checks and observations are made, and the corrective steps taken to bring opacity into compliance;

Inspections/Maintenance/General

b. Manufacturer's O&M manual for emission units and/or control equipment, if available;

c. Monthly and annual control device inspections, maintenance, and/or repairs;

d. Any maintenance on the spray bars and/or water suppression systems;

Daily Actions/Throughput – Gypsum Processing Operation

e. Daily hours of operation;

f. Daily throughput of material, processed at the gypsum processing operation;

g. Daily shipment of gypsum material;

h. Daily water usage of the water trucks;

i. Daily water applied at the gypsum processing operation;

j. Any maintenance conducted on the water trucks;

Daily Actions/Throughput – Wash Plant

k. Daily throughput of material, processed at the wash plant;

Daily Actions/Throughput – Truck Loadout

l. Daily throughput of material, processed at the truck loadout;

Daily Actions/Throughput – Drilling and Blasting

m. Daily number of drilled holes, and holes per blast on days when drilling occurs;

n. Daily usage of ANFO on days when used;

o. Daily number of detonated blasts on days when blasting occurs;

p. Logs of each area blasted, in square feet, on days when blasting occurs;

q. Logs of recorded current and predicted weather, as required for blasting in Section 2.2 of this permit, on days when blasting occurs;

Daily Actions/Throughput – Overburden Removal Operation

r. Daily throughput of material, processed at the overburden removal operation;

Baghouse

s. Daily baghouse pressure differential on Baghouse 1 (see Table 2-1);

t. Daily baghouse pressure differential on Baghouse 2 (see Table 2-1);

Unpaved Haul Roads

u. Dust control measures applied to unpaved haul roads;

v. Monthly amount of dust palliative applied;

Stockpiles

w. Total stockpile area at the facility;

Continuous-Duty Generators / Water Pump

x. Sulfur content and cetane index or aromatic content of diesel fuel used to power the continuous-duty generators (EUs: C01, C12, C13, and C15), as certified by the supplier;

Nonroad Engines

y. Records of location changes for nonroad engines, if applicable; and

Performance Testing

z. Summary of all performance testing results;

6. The permittee shall create and maintain the following records, at a minimum, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation. This section is for records that shall be reported semiannually, as required by this permit. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

Monthly and Annual Throughput – Gypsum Processing Operation

a. Monthly hours of operation;

b. Monthly, consecutive 12-month total of gypsum shipment;

c. Weekly and monthly moisture sampling results (reported as required in Condition 2.2.2 of this operating permit);

d. Monthly, consecutive 12-month total of material, processed at the gypsum processing operation;

Monthly and Annual Throughput – Wash Plant

e. Monthly, consecutive 12-month total of material, processed at the wash plant;

Monthly and Annual Throughput – Truck Loadout

f. Monthly, consecutive 12-month total of material, processed at the truck loadout;

Monthly and Annual Throughput – Drilling and Blasting

g. Monthly, consecutive 12-month total number of drilled holes;

h. Monthly, consecutive 12-month total usage of ANFO;

i. Monthly, consecutive 12-month total number of detonations;

j. Monthly, consecutive 12-month total square footage of blasting area, per detonation;

Monthly and Annual Throughput – Overburden Removal Operation

k. Monthly, consecutive 12-month total of material, processed at the overburden removal operation;

Unpaved Haul Roads

l. Monthly, consecutive 12-month total vehicle miles traveled on the unpaved haul road – BLM (EU: B01);

m. Monthly, consecutive 12-month total vehicle miles traveled on the unpaved haul road – on-site (EU: B02);

n. Monthly, consecutive 12-monht total vehicle miles traveled on the unpaved haul road – overburden (EU: B03);

o. Monthly, consecutive 12-month total vehicle miles traveled on the unpaved haul road – raw material (EU: B04);

Continuous-Duty Generators / Water Pump

p. Monthly hours of operation of each continuous-duty generator (EUs: C01, C12, C13, and C15 and the continuous-duty water pump (EU: C07) and consecutive 12-month total;

q. Horsepower rating of (EUs: C12-C14), equal to or greater than 300 horsepower;

r. Horsepower rating of (EU: C15), equal to or greater than 500 horsepower;

s. Date of manufacturer for (EUs: C12-C15), equal to or greater than 2007;

Emissions

t. Deviations from permit requirements resulting in excess emissions (report as required by Section 8.4.7 of the operating permit);

u. Deviations from permit requirements not resulting in excess emissions; and

v. Annual emissions calculated for each emission unit and for the entire source (reported annually).

4.4 REPORTING AND NOTIFICATIONS

1. The permittee shall certify compliance with the terms and conditions contained in this Part 70 OP, including emission limitations, standards, work practices, and the means for monitoring such compliance. *[AQR 12.5.2.8(e)]*

2. The permittee shall submit compliance certifications annually in writing to the Control Officer (4701 W. Russell Road, Suite 200, Las Vegas, NV 89118) and the Region 9 Administrator (Director, Air and Radiation Divisions, 75 Hawthorne St., San Francisco, CA 94105). A compliance certification for each calendar year will be due on January 30 of the following year, and shall include the following: *[AQR 12.5.2.8(e)]*

   a. The identification of each term or condition of the permit that is the basis of the certification;

   b. The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period. These methods and means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements described in 40 CFR Part 70.6(a)(3). If necessary, the permittee shall also identify any other material information that must be included in the certification to comply with Section 113(c)(2) of the Clean Air Act, which prohibits knowingly making a false certification or omitting material information; and

   c. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification shall be based on the methods or means designated in (b) above. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify, as possible exceptions to compliance, any periods during which compliance was required and in which an excursion or exceedance, as defined under 40 CFR Part 64, occurred.

3. The permittee shall report to the Control Officer any startup, shutdown, malfunction, emergency, or deviation that causes emissions of regulated air pollutants in excess of any limits set by regulations or this permit. The report shall be in two parts, as specified below: *[AQR 12.5.2.6(d)(4)(B); AQR 25.6.1]*

   a. Within 24 hours of the time the permittee learns of the excess emissions, the permittee shall notify DAQ by phone at (702) 455-5942, by fax at (702) 383-9994, or by email at airquality@clarkcountynv.gov.

b. Within 72 hours of the notification required by paragraph 3.a above, the permittee shall submit a detailed written report to DAQ containing the information required by AQR 25.6.3.

4. With the semiannual monitoring report, the permittee shall report to the Control Officer all deviations from permit conditions that do not result in excess emissions, including those attributable to malfunction, startup, or shutdown. Reports shall identify the probable cause of each deviation and any corrective actions or preventative measures taken. *[AQR 12.5.2.6(d)(4)(B)]*

5. The owner or operator of any source required to obtain a permit under AQR 12 shall report to the Control Officer emissions in excess of an applicable requirement or emission limit that pose a potential imminent and substantial danger to public health and safety or the environment as soon as possible, but no later than 12 hours after the deviation is discovered, and submit a written report within two days of the occurrence. *[AQR 25.6.2]*

6. The permittee shall submit all compliance certifications to the U.S. Environmental Protection Agency (EPA) and to the Control Officer. *[AQR 12.5.2.8(e)(4)]*

7. Any application form, report, or compliance certification submitted to the Control Officer pursuant to the permit or the AQRs, shall contain a certification by a Responsible Official, with an original signature, of truth, accuracy, and completeness. This certification, and any other required under AQR 12.5, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.5.2.6(l)]*

8. The permittee shall furnish to the Control Officer, in writing and within a reasonable time, any information that the Control Officer may request to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Control Officer copies of records that the permit requires keeping. The permittee may furnish records deemed confidential directly to the Administrator, along with a claim of confidentiality. *[AQR 12.5.2.6(g)(5)]*

9. At the Control Officer's request, the permittee shall provide any information or analyses that will disclose the nature, extent, quantity, or degree of air contaminants that are or may be discharged by the source, and the type or nature of control equipment in use. The Control Officer may require such disclosures be certified by a professional engineer registered in the state. In addition to this report, the Control Officer may designate an authorized agent to make an independent study and report on the nature, extent, quantity, or degree of any air contaminants that are or may be discharged from the source. An agent so designated may examine any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.1]*

10. The permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1 and AQR 12.5.2.4]*

    a. The annual emissions inventory must be submitted to DAQ by March 31 of each calendar year (if March 31 falls on a state or federal holiday, or on any day the office is not normally open for business, the submittal is due on the next business day);

b. The calculated actual annual emissions from each emission unit shall be reported even if there was no activity, along with the total calculated actual annual emissions for the source based on the emissions calculation methodology used to establish the potential to emit (PTE) in the permit or an equivalent method approved by the Control Officer prior to submittal; and

c. As the first page of text, a signed certification containing the sentence: "I certify that, based on information and belief formed after reasonable inquiry, the statements contained in this document are true, accurate, and complete." This statement shall be signed and dated by a Responsible Official of the company (a sample form is available from DAQ).

11. Stationary sources that emit 25 tons or more of nitrogen oxide (NO_X) and/or emit 25 tons or more of volatile organic compounds (VOC) from their emission units, insignificant activities, and exempt activities during a calendar year shall submit an annual emissions statement for both pollutants. Emissions statements must include actual annual NO_X and VOC emissions from all activities, including emission units, insignificant activities and exempt activities. Emissions statements are separate from, and additional to, the calculated annual emissions reported each year for all regulated air pollutants (aka Emissions Inventory). *[AQR 12.9.1]*

12. The permittee shall submit to the Control Officer, within 15 days after commencing operation, any outstanding identification and/or description that was not previously available for new emission unit(s), as noted in this permit with "TBD." (Use this condition if there is emission unit information in the permit that is incomplete and noted with "TBD.")

13. The permittee shall comply with all applicable notification and reporting requirements of 40 CFR Part 60.7, 40 CFR Part 60 Subpart OOO, 40 CFR Part 60 Subpart IIII, 40 CFR Part 63 Subpart ZZZZ, 40 CFR Part 63 Subpart JJJJ, 40 CFR Part 72.9(f), 40 CFR Part 75, and any other applicable regulations. *[AQR 12.5.2.6(d)]*

14. The permittee shall submit semiannual monitoring reports to DAQ. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

15. The following requirements apply to semiannual reports: *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

    a. The report shall include items listed in Section 4.3.6.

    b. The report shall be based on a calendar semiannual period, which includes partial reporting periods.

    c. The report shall be received by DAQ within 30 calendar days after the semiannual period.

16. Regardless of the date of issuance of this operating permit, the source shall comply with the schedule for report submissions outlined in Table 4-3. *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*

Table 4-3. Required Submission Dates for Various Reports

Required Report	Applicable Period	Due Date
Semiannual report for 1st six-month period	January, February, March, April, May, June	July 30 each year [1]
Semiannual report for 2nd six-month period; any additional annual records required	July, August, September, October, November, December	January 30 each year [1]
Annual Compliance Certification	Calendar year	January 30 each year [1]
Annual Emission Inventory Report	Calendar year	March 31 each year [1]
Annual Emission Statement[2]	Calendar year	March 31 each year [1]
Notification of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emission	As required	Within 24 hours of the permittee learns of the event
Excess Emissions that Pose a Potential Imminent and Substantial Danger	As Required	No less than 45 days, but no more than 90 days, before the anticipated test date [1]
Performance Testing Protocol	As required	No less than 45 days, but no more than 90 days, before the anticipated test date [1]
Report of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emission	As required	Within 72 hours of the notification
Deviation Report without Excess Emissions	As required	Along with semiannual reports [1]
Performance Testing Results	As required	Within 60 days of end of test [1]

[1] If the due date falls on a Saturday, Sunday, or federal or Nevada holiday, the submittal is due on the next regularly scheduled business day.
[2] Required only for stationary sources that emit 25 tons or more of nitrogen oxide (NO_X) and/or emit 25 tons or more of volatile organic compounds (VOC) during a calendar year.

17. The Control Officer reserves the right to require additional reports and reporting to verify compliance with permit emission limits, applicable permit requirements, and requirements of applicable federal regulations. *[AQR 4.1]*

4.5 MITIGATION

The source has no federal offset requirements. *[AQR 12.7]*

5.0 PERMIT SHIELD

The source has not requested a permit shield. *[AQR 12.5.2.9]*

6.0 ACID RAIN REQUIREMENTS

Blue Diamond Hill Gypsum will not be subject to any acid rain requirements. *[Title IV of the Clean Air Act and 40 CFR Parts 72-77]*

7.0 OTHER REQUIREMENTS

1. Any person who violates any provision of the AQRs, including, but not limited to, any application requirement; any permit condition; any fee or filing requirement; any duty to allow or carry out inspection, entry, or monitoring activities; or any requirements from DAQ is guilty of a civil offense and shall pay a civil penalty levied by the Air Pollution Control Hearing Board and/or the Hearing Officer of not more than $10,000. Each day of violation constitutes a separate offense. *[AQR 9.1; NRS 445B.640]*

2. Any person aggrieved by an order issued pursuant to AQR 9.1 is entitled to review, as provided in Chapter 233B of the NRS. *[AQR 9.12]*

3. The permittee shall comply with the requirements of Title 40, Part 61 of the Code of Federal Regulations (40 CFR Part 61), Subpart M—the National Emission Standard for Asbestos—for all demolition and renovation projects. *[AQR 13.1(b)(8)]*

4. The permittee shall not use, sell, or offer for sale any fluid as a substitute material for any motor vehicle, residential, commercial, or industrial air conditioning system, refrigerator freezer unit, or other cooling or heating device designated to use a Class I or Class II ozone-depleting substance or any nonexempt substitute refrigerant as a working fluid, unless such fluid has been approved for sale in such use by the EPA Administrator. The permittee shall keep records of all paperwork relevant to the applicable requirements of 40 CFR Part 82 on-site. *[40 CFR Part 82]*

5. A risk management plan is required for the storing, handling and use of an applicable "Highly Hazardous Chemical" pursuant to 40 CFR Part 68. The permittee shall submit revisions of the risk management plan to the appropriate authority and a copy to DAQ. *[40 CFR Part 68.150(b)(3)]*

8.0 GENERAL CONDITIONS

8.1 GENERAL REQUIREMENTS

1. The permittee shall comply with all conditions of the Part 70 OP. Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations (AQRs), Nevada law, and the Clean Air Act, and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a renewal application. *[AQR 12.5.2.6(g)(1)]*

2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall be unaffected and remain valid. *[AQR 12.5.2.6(f)]*

3. The permittee shall pay all permit fees pursuant to AQR 18. *[AQR 12.5.2.6(h)]*

4. This permit does not convey property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*

5. The permittee agrees to allow inspection of the premises to which this permit relates by any authorized representative of the Control Officer at any time during the permittee's hours of operation without prior notice. The permittee shall not obstruct, hamper, or interfere with any such inspection. *[AQR 4.1; AQR 5.1.1; and AQR 12.5.2.8(b)]*

6. The permittee shall allow the Control Officer, upon presentation of credentials, to: *[AQR 4.1 and AQR 12.5.2.8(b)]*

    a. Access and copy any records that must be kept under the conditions of the permit;

    b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;

    c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and

    d. Document alleged violations using such devices as cameras or video equipment.

7. Any permittee who fails to submit relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit the needed supplementary facts or corrected information. In addition, the permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit. A Responsible Official shall certify the additional information consistent with the requirements of AQR 12.5.2.4. *[AQR 12.5.2.2]*

8. Anyone issued a permit under AQR 12.5 shall post it in a location where it is clearly visible and accessible to facility employees and DAQ representatives. *[AQR 12.5.2.6(m)]*

9. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[AQR 12.5.2.6(g)(2)]*

8.2 MODIFICATION, REVISION, AND RENEWAL REQUIREMENTS

1. No person shall begin actual construction of a new Part 70 source, or modify or reconstruct an existing Part 70 source that falls within the preconstruction review applicability criteria, without first obtaining an Authority to Construct (ATC) from the Control Officer. *[AQR 12.4.1.1(a)]*

2. The permit may be revised, revoked, reopened and reissued, or terminated for cause by the Control Officer. The filing of a request by the permittee for a permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, does not stay any permit condition. *[AQR 12.5.2.6(g)(3)]*

3. The permit shall be reopened under any of the following circumstances and when all applicable requirements pursuant to AQR 12.5.2.15 are met: *[AQR 12.5.2.15(a)]*

    a. New applicable requirements become applicable to a stationary source considered "major" (per the definition in AQR 12.2, AQR 12.3, or 40 CFR Part 70.3(a)(1)) with a remaining permit term of three or more years;

    b. Additional requirements (including excess emissions requirements) become applicable to an affected source under the Acid Rain Program;

    c. The Control Officer or U.S. Environmental Protection Agency (EPA) determines that the permit contains a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or

    d. The EPA Administrator or the Control Officer determines that the permit must be revised or revoked to assure compliance with applicable requirements.

4. A permit, permit revision, or renewal may be approved only if all of the following conditions have been met: *[AQR 12.5.2.10(a)]*

    a. The permittee has submitted to the Control Officer a complete application for a permit, permit revision, or permit renewal (except a complete application need not be received before a Part 70 general permit is issued pursuant to AQR 12.5.2.20); and

    b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of AQR 12.5.

5. The permittee shall not build, erect, install, or use any article, machine, equipment, or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of an applicable requirement. *[AQR 80.1 and 40 CFR Part 60.12]*

6. No permit revisions shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. *[AQR 12.5.2.6(i)]*

7. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. *[AQR 12.5.2.11(b)]*

8. For purposes of permit renewal, a timely application is a complete application that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. If a source submits a timely application under this provision, it may continue operating under its current Part 70 OP until final action is taken on its application for a renewed Part 70 OP. *[AQR 12.5.2.1(a)(2)]*

9.0 ATTACHMENTS

9.1 STREAMLINING

Table 9.1. Analysis of 40 CFR Part 60 Subpart OOO – Mineral Processing

EU	Subpart OOO	Regulatory Standard	Regulatory Averaging Period	Streamlining Statement
A05	60.672(b) & 60.675(c)(3)	(Opacity) ≤ 12%	30 minutes (five 6 minute averages)	The permit requirements (opacity and averaging period) will be identical and as stringent to the federal standards of OOO
A34				
A06	60.672(b) & 60.675(c)(3)	(Opacity) ≤ 7%	30 minutes (five 6 minute averages)	The permit requirements (opacity and averaging period) will be identical and as stringent to the federal standards of OOO
A07				
A11				
A08				
A12				
A48				
A35				
A40				
A36a				
A36b				
A41a				
A41b				

Table 9.2. Analysis of 40 CFR Part 60 Subpart OOO – Baghouse 1

EU	Subpart OOO	Regulatory Standard	Regulatory Averaging Period	Streamlining Statement
A01	60.672(b) & 60.675(c)(3)	(Opacity) ≤ 7%	30 minutes (five 6 minute averages)	The permit requirements (opacity and averaging period) will be identical and as stringent to the federal standard of OOO
A39		0.032 g/dscm	Not Applicable	The permit requirement (emission standard) will be identical and as stringent to the federal standard of OOO

Table 9.3. Analysis of 40 CFR Part 60 Subpart OOO – Baghouse 2

EU	Subpart OOO	Regulatory Standard	Regulatory Averaging Period	Streamlining Statement
A05	60.672(b) & 60.675(c)(3)	(Opacity) ≤ 7%	30 minutes (five 6 minute averages)	The permit requirements (opacity and averaging period) will be identical and as stringent to the federal standard of OOO
A07				
A08				
A34				
A83				

Table 9.4. Analysis of 40 CFR Part 63 Subpart ZZZZ

EU	Subpart ZZZZ	Regulatory Standard	Streamlining Statement
C07	63.6603 & 63.6640	1. Change oil and filter every 1,000 hours of operation or annually, whichever comes first	The permit requirements will be identical and as stringent to the federal standards of ZZZZ
		2. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first	
		3. Inspect all hose and belts every 500 hours of operation or annually, whichever comes first	

Table 9.5. Analysis of 40 CFR Part 60 Subpart IIII

EU	Subpart IIII	Regulatory Standard	Streamlining Statement
C01	60.4205(a) & 60.4211	Compliance with emission standards for various criteria pollutants, based on model year and engine rating Compliance demonstrated by keeping records of manufacture specification sheets and logs of maintenance and/or repair	The permit requirements will be identical and as stringent to the federal standards of IIII
C06			
C12			
C13			
C14			
C15			

9.2 APPLICABLE REGULATIONS

Requirements Specifically Identified as Applicable

1. NRS, Chapter 445B.

2. Applicable AQRs listed in Table 9.6.

Table 9-6. Applicable Clark County AQRs

Citation	Title
AQR 0	"Definitions"
AQR 4	"Control Officer"
AQR 5	"Interference with Control Officer"
AQR 8	"Persons Liable for Penalties – Punishment: Defense"
AQR 9	"Civil Penalties"
AQR 10	"Compliance Schedules"
AQR 11	"Ambient Air Quality Standards"
AQR 12.0	"Applicability and General Requirements"
AQR 12.4	"Authority to Construct Application and Permit Requirements for Part 70 Sources"
AQR 12.5	"Part 70 Operating Permit Requirements"
AQR 12.9	"Annual Emissions Inventory Requirement"
AQR 13.1(b)(1)	"Subpart A - General Provisions"
AQR 13.1(b)(82)	"Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
AQR 14.1(b)(1)	"Subpart A – General Provisions"
AQR 14.1(b)(68)	"Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants"
AQR 14.1(b)(81)	"Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
AQR 18	"Permit and Technical Service Fees"
AQR 25	"Affirmative Defense for Excess Emissions due to Malfunctions, Startup, and Shutdown"
AQR 26	"Emission of Visible Air Contaminants"
AQR 28	"Fuel Burning Equipment"
AQR 40	"Prohibitions of Nuisance Conditions"
AQR 41	"Fugitive Dust", AQR 41.1.2 only
AQR 42	"Open Burning"
AQR 43	"Odors in the Ambient Air"
AQR 70	"Emergency Procedures"
AQR 80	"Circumvention"

3. Clean Air Act Amendments (42 U.S.C. § 7401, et seq.)

4. Applicable 40 CFR sections are listed in Table 9.7.

Table 9.7. Federal Standards

Citation	Title
40 CFR Part 52.21	"Prevention of significant deterioration of air quality"
40 CFR Part 52.1470	"Approval and Promulgation of Implementation Plans, Subpart DD—Nevada"
40 CFR Part 60, Subpart A	"General Provisions"
40 CFR Part 60, Subpart OOO	"Standards of Performance for Nonmetallic Mineral Processing Plants"
40 CFR Part 60, Subpart IIII	"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
40 CFR Part 60	Appendix A, Method 9 or equivalent, (Opacity)
40 CFR Part 60, Appendix A-3	"Test Methods 4 through 5I" (PM in g/dscm)
40 CFR Part 60, Appendix A-4	"Test Methods 6 through 10B" (opacity)
40 CFR Part 63, Subpart A	"General Provisions"
40 CFR Part 63, Subpart ZZZZ	"National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
40 CFR Part 70	"State Operating Permit Programs"
40 CFR Part 82	"Protection of Stratospheric Ozone"

9.3 ACID RAIN PERMIT

Blue Diamond Hill Gypsum will not be required to submit an application for an acid rain permit. *[Title IV of the Clean Air Act and 40 CFR Parts 72-77]*