



DES
DEPARTMENT OF ENVIRONMENT
AND SUSTAINABILITY



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PART 70 OPERATING PERMIT

SOURCE ID: 593

Georgia-Pacific Gypsum, LLC
11401 US Highway 91
Las Vegas, Nevada 89165

ISSUED ON: May 2, 2023

EXPIRES ON: May 1, 2028

Current action: Renewal

Issued to:

Georgia-Pacific Gypsum, LLC
P.O. Box 337350
North Las Vegas, Nevada 89033

Responsible Official:

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Plant Manager
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NATURE OF BUSINESS:

SIC code 3275, "Gypsum Manufacturing"
NAICS code 327420, "Gypsum Product Manufacturing"

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.

A handwritten signature in blue ink that reads "Theodore A. Lendis".

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

Georgia-Pacific Gypsum, LLC (GP) is a gypsum wallboard and plaster manufacturing operation located twenty miles north of the City of Las Vegas, Nevada, along U.S. Highway 91, in Apex, Nevada, Hydrographic Area 216 (Garnet Valley). Garnet Valley is designated as attainment area for all pollutants. The source is a major Part 70 source for CO and NO_x, synthetic minor for PM₁₀ and PM_{2.5}, and a minor source for, SO₂, VOC, and HAP. The source emits greenhouse gases. The source is not a categorical source.

The permittee produces wallboard and resin mats. The wallboard operation consists of crushers, screens, calciners, aggregate dryers, impeller mills, mixers, storage bins, conveyors, and a board dryer to manufacture wallboard and two grades of plaster, designated as alpha and beta. The resin mat operation consists of a vacuum loader, hopper dryer, pigment feeder, resin extruder and die head, water tank cooling and forming system, cutter/slitter, and winder. All manufacturing and support processes at the site are grouped under SIC code 3275, “Gypsum Products,” and NAICS code 327420, “Gypsum Products Manufacturing.”

The source is subject to 40 CFR Part 60, Subparts Dc, “Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units”; OOO, “Standards of Performance for Nonmetallic Mineral Processing Plants”; UUU, “Standards of Performance for Calciners and Dryers in Mineral Industries”; and IIII, “Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.” It is also subject to 40 CFR Part 63, Subpart ZZZZ, “National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.”

The following table summarizes the source PTE for each regulated air pollutant for all emission units addressed by this Part 70 Operating Permit:

Table 1: Source-wide Potential to Emit¹

Pollutant	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	Pb	H ₂ S	HAP ²	GHG ³
Tons/year	74.45	40.62	103.45	231.93	2.56	45.69	0	0	14.62	93,588.77

¹ Not a source-wide emission limit; values are used for determining the major source status.

² Combination of all HAPs. No single HAP exceeds 10 tpy.

³ Expressed as CO₂e.

DAQ received the Title V renewal application on June 30, 2020. Multiple permitting actions have been processed with this renewal, along with one Reopen for Cause. Based on information submitted by the applicant and a technical review performed by DAQ staff, DAQ proposes the issuance of a renewed Part 70 Operating Permit to GP.

DAQ requires the permittees to estimate their GHG potential to emit in terms of each individual pollutant (CO₂, CH₄, N₂O, SF₆, etc.) during all permitting actions.

Pursuant to AQR Section 12.5.2, all terms and conditions in Sections 1.0 through 9.0 in this permit are federally enforceable unless explicitly denoted otherwise.

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Common Acronyms and Abbreviations

(These terms may be seen in the permit)

ANFO	ammonium nitrate-fuel oil
AQR	Clark County Air Quality Regulation
ATC	Authority to Construct
BLM	Bureau of Land Management
CFR	Code of Federal Regulations
CO	carbon monoxide
CO ₂	carbon dioxide
CD	control device
DAQ	Division of Air Quality
DES	Clark County Department of Environment and Sustainability
DOM	date of manufacture
dscf	dry standard cubic feet
dscm	dry standard cubic meter
EPA	U.S. Environmental Protection Agency
EU	emission unit
g/gr	gram
HAP	hazardous air pollutant
HOO	Hearing Officer Order
hp	horsepower
kW	kilowatts
MMBtu/hr	Millions of British Thermal Units per Hour
MSP	Minor Source Permit
NAICS	North American Industry Classification System
NESHAP	National Emission Standards for Hazardous Air Pollutants
NO _x	nitrogen oxides
NRS	Nevada Revised Statutes
NSPS	New Source Performance Standard
NSR	New Source Review
OP	Operating Permit
PM _{2.5}	particulate matter less than 2.5 microns in diameter
PM ₁₀	particulate matter less than 10 microns in diameter
PSD	Prevention of Significant Deterioration
PTE	potential to emit
SIP	State Implementation Plan
SIC	Standard Industrial Classification
SO ₂	sulfur dioxide
TDS	Total Dissolved Solids
U.S.C.	United States Code
VMT	vehicle miles traveled
VEE	Visible Emissions Evaluation
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 Tables 1-1 through 1-5. [AQR 12.5.2.6]

Table 1-1: List of Emission Units – Wallboard Plant

EU	Rating	Description	Manufacturer
A03		Rock/Recycle Feeder System	
B01		Crushing Area Belt Conveyors	
		Cemco Feed Screw Conveyor	
		Bucket Elevator - Rock Tank	
		Bucket Elevator - Rock Supply	
B02	80 TPH	Primary Crusher	Universal
B03		200 Ton Rock Bin	
F01	80 TPH	End Trim/Bundler	
F02		Recut Machine	
F03		Riser Machine	
B04	80 TPH	Secondary Crusher	Cemco
C01	10 TPH	Imp Mill #1 - Gypsum Processing	Delta
	7.5 MMBtu/hr	Imp Mill #1 - Heated by exhaust gas (NCA #1)	
C02	10 TPH	Imp Mill #2 - Gypsum Processing	Delta
	7.5 MMBtu/hr	Imp Mill #2 - Heated by exhaust gas (NCA #1)	
C03	10 TPH	Imp Mill #3 - Gypsum Processing	Delta
	7.5 MMBtu/hr	Imp Mill #3 - Heated by exhaust gas (NCA #1)	
C04	10 TPH	Imp Mill #4 - Gypsum Processing	Delta
	7.5 MMBtu/hr	Imp Mill #4 - Heated by exhaust gas (NCA #1)	
C05	10 TPH	Imp Mill #5 - Gypsum Processing	Delta
	7.5 MMBtu/hr	Imp Mill #5 - Heated by exhaust gas (NCA #1)	
D01a		Stucco Area Conveyor System	
D01c		Stucco Area Conveyor System	
		Bucket Elevator - Stucco Transfer	
D01e		Stucco Area Conveyor System	
		Bucket Elevator - Stucco Tank	
		Bucket Elevator - Stucco Supply	
		Bucket Elevator - Stucco Recirculating	
D06		Stucco Blender #2	
D03		North Stucco Storage Bin	
D04		South Stucco Storage Bin	
D07	50 TPH	Pin Mixer	
D08		Vermiculite Bin	
		Bucket Elevator - Vermiculite	

EU	Rating	Description	Manufacturer
D09		Landplaster Bin #1	
D10		Landplaster Bin #2	
		Bucket Elevator - Landplaster	
D11	5 TPH	Ball Mill #1	
D12	5 TPH	Ball Mill #2	
D13		Interior Baghouse Conveyor System	
D17		Milling Area Conveyor System	
D19	50 TPH	Stucco Sifter	Alloy Industrial Contractors, Inc.
E02		Forming Line	
E03	Zone 1: 30.0 MMBtu/hr Zone 2: 30.0 MMBtu/hr Zone 3: 15.0 MMBtu/hr	Board Dryer: Natural Gas Heaters and/or Heat Supplied by NCA #1 (includes emissions from EU: E02)	COE

Table 1-2: List of Emission Units – Plaster Plant

EU	Rating	Description	Manufacturer	Model No.	Serial No.
E101	50 TPH	Roll Crusher	Williams		20047
E102		Rock Conveyor System			
E164	50 TPH	Alpha Rock Screen	Simplicity		238-NUZ6S-SS13
E174	50 TPH	North Beta Rock Grizzly Feed Screen			
E175	50 TPH	South Beta Rock Grizzly Feed Screen			
E103		West Beta Rock Bin			
E104		East Beta Rock Bin			
E108		West LP Bin			
E109		East LP Bin			
E105		West Roller Mill - Gypsum Processing	Williams		20030
	6.0 MMBtu/hr	West Roller Mill - Combustion			
E106	25 TPH	East Roller Mill - Gypsum Processing	Williams		20023
	6.0 MMBtu/hr	East Roller Mill - Combustion			
E110	15 TPH	West Kettle - Gypsum Processing	ABB Alstom		
	20.0 MMBtu/hr	West Kettle - Combustion			
E111	15 TPH	East Kettle - Gypsum Processing	ABB Alstom		
	20.0 MMBtu/hr	East Kettle - Combustion			
E142		Alpha Rock Conveyors			
		Bucket Elevator - Alpha Basket			
E143		South Alpha Rock Bin			
E144		North Alpha Rock Bin			
E176		South Alpha Rock Bin Grizzly Feed Screen			
E177		North Alpha Rock Bin Grizzly Feed Screen			
E178	50 TPH	Alpha Rock Elevator Screen			
E149	2 TPH	Pan Dryer #1			

EU	Rating	Description	Manufacturer	Model No.	Serial No.
E150	2 TPH	Pan Dryer #2			
E151	2 TPH	Pan Dryer #3			
E179	1 TPH (per unit)	Autoclave System #1 through #8	Melco Steel, Inc.		4065-1 4065-2
E152	6 TPH	Alpha Air Separator	Raymond		
		Bucket Elevator - Alpha Reheater Feed			
		Bucket Elevator - Alpha Reheater Disch.			
E162	6 TPH	Alpha Crusher #2	Cemco		
E160	6 TPH	Alpha Hammermill	Jeffery	30ABF	10034404
E154	6 TPH	Alpha Hummer Screen	Tycan		
E157		South Alpha Storage Bin			
E158		North Alpha Storage Bin			
G11		Alpha Surge Bin			
G25		Bucket Elevator - Alpha Surge Bin			
G28		Bucket Elevator - Alpha Storage Bin			
E156	6 TPH	Alpha Reject Screens	Sweeco		
E107		LP Bulk Loadout Bin w/ Enclosed Screw Conveyor			
		LP Bulk Loadout			
E173		LP Bin Airvey System			
G13		LP Bulk Bagging			
E113		Reject Bin			
E166	20 TPH	Stucco Screen	Sweeco		
E114		Stucco Bulk Loadout Bin			
		Stucco Bulk Loadout			
E115	25 TPH	West Hummer Screen	Tycan	4X15	17577
E117		West Stucco Bin			
	15 TPH	West Air Separator			
E119	10 TPH	West Beta IMPACT Mill #1	Entoleter	533	
G14	10 TPH	West Beta IMPACT Mill #2	Entoleter	533	
		Bucket Elevator - East Finish Stucco			
E118		East Stucco Bin			
E116	25 TPH	East Hammer Screen	Tycan	4X15	17576
E120	10 TPH	East Beta IMPACT Mill #1	Entoleter	533	
G16	10 TPH	East Beta IMPACT Mill #2	Entoleter	533	
		Bucket Elevator - West Finish Stucco			
E122		Split Finish Bin #1 South			
E123		Split Finish Bin #1 North			
E124		Split Finish Bin #2 South			
E125		Split Finish Bin #2 North			

EU	Rating	Description	Manufacturer	Model No.	Serial No.
E126		Split Finish Bin #3 South			
E127		Split Finish Bin #3 North			
E128		South Alpha Bin			
E130		Cement Bin			
E129		North Alpha Bin			
E172		HiVAC Vacuum System			
E140		MP Bulk Bagging			
		MP Bulk Load Out Bin			
E139		FP Bulk Load Out Bin			
E168		FP Bulk Bagging			
E112		Stucco Conveyors System			
		Bucket Elevator - West Hot Pit			
		Bucket Elevator - East Hot Pit			
G15	15 TPH	West Beta IMPACT Mill #3	Entoleter		
G17	15 TPH	East Beta IMPACT Mill #3	Entoleter		
E133		South Bag Packer			
		South Weigh Hopper			
		South Additive Feeder Belt			
	30 TPH	South Mixer	Scott	STPPDG96 9SS	1019
		South MP Bulk Loadout			
		South Bag Packer Feed Hopper			
FE134		North Bag Packer			
		North Weigh Hopper			
		North Additive Feeder Belt			
	30 TPH	North Mixer	Scott	STPPDG96 9SS	1018
		North MP Bulk Loadout			
		North Bag Packer Feed Hopper			
		Bucket Elevator - Mixed Product			
G18		Hamilton Surge Bin			
G19		Hamilton Bulk Loadout Bin			
G21		Hamilton Bulk Loadout			
	30 TPH	Hamilton Rotary Screens	Kemtec		
E145	12.247 MMBtu/hr	Alpha Boiler	Cleaver Brooks	CB1700500 150	OL099776
E146	1.2 MMBtu/hr	Boiler #1	Paratherm	FT-0120-C	3103-C
E147	1.2 MMBtu/hr	Boiler #2	Paratherm	FT-0120-C	3105-C
E148	1.2 MMBtu/hr	Boiler #3	Paratherm	FT-0120-C	3104-C
E153	1.2 MMBtu/hr	Alpha Multiscrew Heater			
E188		Microsizer			
E189		Screw Conveyor			
E190		Screw Conveyor			
G32		Plaster Mill Ink			

Table 1-3: List of Emission Units – IC Engines

EU	Rating	Description	Manufacturer	Model No.	Serial No.
G33	59 hp	Diesel-Powered Emergency Generator, DOM pre-2006	Perkins	9182454	26434001T
G34	660 hp	Diesel-Powered Fire Pump, DOM pre-2006	Caterpillar	3412	28S20760
G36	522 kW	Fire Pump	Aurora	10-471-20A	62434
	687 hp	Diesel Engine; DOM 7/2019	Caterpillar	CAT18H0-UFAD176-0687	SO136026P
LP1	10.8 kW	Light Plant	Wacker Neuson	D1005-BG-EF	1-158003
	14.5 hp	Diesel Engine; DOM 2014	Kubota		

Table 1-4: List of Emission Units – Resin Extrusion Line

EU	Rating	Description	Manufacturer	Model No.	Serial No.
P01	856 lbs/hour	Resin Extruder Die Head			

Table 1-5: List of Emission Units – Fugitive Emissions

EU	Rating	Description
A01	0.08 miles R.T.	Wallboard Trucks
FE100	0.16 miles R.T.	Rock Trucks (weighted)
	0.26 miles R.T.	Rock Trucks (South Route)
	0.58 miles R.T.	Bulk Plaster Trucks (Plaster Loop)
	0.20 miles R.T.	Bulk Plaster Trucks (North Road)
	0.58 miles R.T.	Plaster Trucks (Flatbed)
	0.20 miles R.T.	Rock Trucks (Unpaved Road)
FE200	0.038 miles R.T.	Loaders
FE300		Batch Dumping Beta Rock
FE141		Batch Dumping Alpha Rock
FE200a		Truck Dumping
FE200b		Batch Dumping Board Rock
A02	10 acres	Stockpile Area
S01		Feed Hopper (Scrap Gypsum)
S02		Conveyor System (2 belts)
S03	0.20 miles R.T.	Haul Roads; Unpaved; R.T. = 0.20 miles (Scrap Gypsum)
	0.60 miles R.T.	Haul Roads; Paved; R.T. = 0.60 miles (Scrap Gypsum)

1.2 INSIGNIFICANT ACTIVITIES

No insignificant activities have been identified.

1.3 NONROAD ENGINES

Pursuant to Title 40, Part 1068.30 of the Code of Federal Regulations (40 CFR Part 1068.30), nonroad engines 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

- The permittee shall operate each control device at all times any affected emission unit is operating, as indicated in Table 2-1. [AQR 12.5.2.6]

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

EU ¹	Description	Pollutant	Control Technology	Make, Model
A03, B01-B04, D17, F01-F03	Feeder System, Crushing Conveyor, Primary & Secondary Crusher, 200 Ton Rock Bin, Bucket Elevators, Milling Conveyor, End Trim/Bundler, Re-cut and Riser Machine	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-W01	Steelcraft, M/N 10-368-4545
C01, C02, C03, C04, C05	Imp Mill No.1 through Imp Mill No.5	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-W02, BH-W03, BH-W04, BH-W05, BH-W06	Flex Kleen, All M/N 100-WCBC-192
D01a, D01c	Stucco Area Conveyors and Bucket Elevator	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-W07	Flex-Kleen, M/N 36-BVBS-9
D01e, D06	Stucco Area conveyor, Bucket Elevators, Hammermill, Stucco Blenders #2	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-W13	Flex-Kleen, M/N 100-WRBC-96
D03, D04	North and South Stucco Storage Bin	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-W11, BH-W12	Flex-Kleen, All M/N 36-BVBS-9
D07, D08, D09, D10, D11, D12 and D13	Pin Mixer, Vermiculite Bin, Landplaster Bins #1 & #2, Ball Mills #1 & #2, Interior Baghouse Conveyors, Interior Baghouse Hopper, Fiberglass Feed Hopper, Concrete Basin, Bucket Elevators.	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-W14	Flex-Kleen, M/N 100-WRBS-64
E101, E102, E164, E174, & E175	Roll Crusher, Rock Conveyor, Alpha Rock Screen, North & South Beta Rock Grizzly Feed Screen	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-01	Flex-Kleen, M/N 100-WMWC-120
E103, E104	West & East Beta Rock Bin	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-02 BH-03	Flex Kleen, All M/N 84-BVBS-25(IIG)
E105, E106	West & East Roller Mill	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-04 BH-05	Flex Kleen, All M/N 120-WSWC-169XL(III)
E108, E109	West & East LP Bin	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-06 & BH-07	Flex Kleen, All M/N 84-BVBS-25(IIG)
E110, E111	West & East Kettle	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-08 BH-09	Flex Kleen, All M/N 120-WSWC-169XL(III)

EU ¹	Description	Pollutant	Control Technology	Make, Model
E142-E144, E149-151, E176-E178	Alpha Rock Conveyors, South & North Rock Bins, South & North Rock Bin Grizzly Feed Screen, Alpha Rock Elevator Screen, Pan Dryers #1 through #3, & Bucket Elevator	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-13, BH-35, BH-36, BH-37	Flex Kleen, M/N 100-WMWC- 150(III), 36- BVBS—9, 36- BVBS—9, 36- BVBS—9
E152, E154, E157, E158, E160-E162, G11, G25 and G28	Alpha Impact Mill #1, Alpha Crushers #1 & #2, Alpha Hammermill, Alpha Hummer Screen, Alpha Air Separator, South & North Alpha Storage Bin, Alpha Surge Bin, & Bucket Elevators	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-14	Flex Kleen, M/N 100-WMWC- 150(III)
E107, E156, E173	Alpha Reject Screens, LP Bulk Loadout Bin, LP Bulk Loadout, & LP bin Airvey System	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-10 and BH- 33	Flex Kleen, M/N 84-BVBS-25(IIG) and Unknown, M/N not available
E113, G13	LP Bulk Bagging & Reject Bin	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-11	Flex Kleen, M/N 84-BVBS- 25(IIG)
E114, E166	Stucco Sweeco Screen, Stucco Bulk Loadout Bin, & Stucco Bulk Loadout	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-12	Flex Kleen, M/N 84-BVBS- 25(IIG)
E115, E117, E119, G14	West Hummer Screen, West Stucco Bin, West Air Separator, West Beta Impact Mills #1 & #2, & Bucket Elevator	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-15	Flex Kleen, M/N 120_WMWC-120
E116, E118, E120, G16	East Stucco Bin, East Hummer Screen, East Beta Impact Mill #1 & #2, & Bucket Elevator	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-16	Flex Kleen, M/N 120_WMWC-120
E122 through E127	North & South Split Finish Bins #1 through #3	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH-17, BH-18, BH-19, BH-20, BH-21, BH-22	Flex Kleen, All M/N 84-BVBS-25(IIG)
E128, E129	North & South Alpha Bin	PM _{10/2.5}	Enclosed Process connected to Baghouses: BH23, BH-25	Flex Kleen, All M/N 84-BVBS-25(IIG)
E130	Cement Bin	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-24	Flex Kleen, M/N 84-BVBS-25(IIG)
E172	HiVAC Vacuum System	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-32	HiVac, M/N 450
E140	MP Bulk Bagging & MP Bulk Load Out Bin	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-28	Flex Kleen, All M/N 84-BVBS-25(IIG)
E139	FP Bulk Load Out Bin	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-29	Flex Kleen, All M/N 84-BVBS-25(IIG)
E112, E168, G15, G17	FP Bulk Bagging, Stucco conveyors, West & East Impact Mills #3, & Bucket Elevators – West & East Hot Pit	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-30	Flex Kleen, M/N 120-WMWC-120

EU ¹	Description	Pollutant	Control Technology	Make, Model
E133, E134	South & North Bag Packers, South & North Weigh Hoppers, South & North Mixers, South & North MP Bulk Loadouts, South & North Bag Packer Feed Hoppers, & Bucket Elevator	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-31	Flex Kleen, M/N 100-WRW-96(III)
G18, G19, G21	Hamilton Surge Bin, Hamilton Bulk Loadout Bin, Hamilton Bulk Loadout, & Hamilton Rotary Screens	PM _{10/2.5}	Enclosed Process connected to Baghouse: BH-34	Flex Kleen, M/N 84-BVBS-64
E179	Autoclaves System 1 through 8	PM _{10/2.5}	Enclosed Batch Process	

¹For performance testing purposes, the DAQ database references only the first EU in each group of EUs (column 1) connected to a control device(s) in column 4.

2.2 CONTROL REQUIREMENTS

Process Equipment

1. The permittee shall not exhibit visible emissions from units this permit identifies as being enclosed emission units (EUs identified in Table 2-1). *[AQR 12.5.2.6(a)]*
2. The permittee shall only combust natural gas in the Board Dryer (EU: E03) and the Imp Mills (EUs: C01 through C05) when exhaust gas from NCA #1 is not being used as the heat source. *[NSR ATC/OP Modification 5, Revision 0, Condition III-A-6 and III-B-23 (5/16/2006)]*
3. The permittee shall only combust natural gas in the Roller Mills, Kettles, Paratherm boilers, and Alpha Multiscrew Heater (EUs: E105, E106, E110, E111, E145 through E148, and E153). *[NSR ATC/OP Modification 5, Revision 0, Condition III-B-23 (5/16/2006)]*
4. The permittee shall maintain and operate the Alpha boiler (EU: E145) with burners that have a manufacturer's maximum emission rate of no more than 30 ppm NO_x, corrected to 3 percent oxygen. *[AQR 12.5.2.6]*
5. The permittee shall maintain and operate the Alpha boiler (EU: E145) with burners that have a manufacturer's maximum emission rate of no more than 100 ppm CO, corrected to 3 percent oxygen. *[AQR 12.5.2.6]*
6. The permittee shall operate the baghouse on all gypsum handling equipment, Imp Mills, Pin Mixer, Hammermill, Ball Mills, Roller Mills, Kettles, and Pan Dryers at all times processing equipment is operating (EUs: C01 through C05, D07, D11, D12, E105, E106, E110, E111, E149, E150, and E151). *[AQR 12.5.2.6]*
7. The permittee shall operate the baghouses on the Imp Mills (EUs: C01 through C05) and Kettles (EUs: E110 and E111) to maintain a total particulate control efficiency of at least 99.9 percent on each baghouse. *[AQR 12.5.2.6]*

8. The permittee shall operate the baghouses on the Roller Mills (EUs: E105 and E106) to maintain a total particulate control efficiency of at least 99.5 percent on each baghouse. [AQR 12.5.2.6]
9. The permittee shall operate the baghouses and filter drum on all remaining gypsum handling equipment to maintain a total particulate control efficiency of at least 99.0 percent on each baghouse. [AQR 12.5.2.6]
10. The permittee shall insure the pressure drop across each baghouse is maintained within the limits specified in Table 2.2. [AQR 12.5.2.6]

Table 2-2: Summary of Baghouse Pressure Differentials

Description	Range
All baghouses	0.5" to 6.0" of water

11. The permittee shall control fugitive dust emissions from conveyors, storage piles, transfer points, screens, and nonmetallic mineral processing equipment not connected to baghouse controls shall be controlled by operational water sprays as needed to prevent exceeding opacity standards. [AQR 12.5.2.6]
12. The permittee shall not cause, suffer or allow the discharge from any source whatsoever such quantities of air contaminants or other material which cause a nuisance. [AQR 40.1]

Diesel Engines

13. 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 fire pump and light plant (EUs: G34, G36, and LP1). [40 CFR Part 60.4207(b)]
14. The permittee shall operate the diesel-powered fire pump and diesel-powered generator (EUs: G34, and G36) with a turbocharger and aftercooler. [AQR 12.5.2.6]
15. The permittee shall operate and maintain each diesel engine and each fire pump in accordance with the manufacturer's O&M manual with respect to emissions (EUs: G33, G34, G36, and LP1). [AQR 12.5.2.6]
16. The permittee shall maintain each emergency engine (EUs: G33 and G34) as follows: [40 CFR Part 63.6603]
 - a. Change oil and filter every 500 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.

Fugitive Dust

17. The permittee shall take continual measures to control fugitive dust (e.g. wet, chemical or organic suppression, or enclosures) from aggregate processing operations, material transfer points, stockpiles, truck loading stations, and haul roads throughout the source. The Control Officer may at any time require additional water sprays or other controls at pertinent locations if an inspection indicates that opacity limits are being exceeded. [AQR 12.5.2.6]
18. The permittee shall not cause or allow the discharge of fugitive dust in excess of 100 yards from the point of origin or beyond the lot line of the property on which the emissions originate whichever is less. [AQR 12.5.2.6]

Paved and Unpaved Roads

19. The permittee shall limit silt loading on unpaved or paved roads to 0.33 ounces per square foot regardless of the average number of vehicles per day. [AQR 12.5.2.6]
20. The permittee shall ensure that all unpaved roads accessing or located on the site will be treated with chemical or organic dust suppressant and watered as necessary, or paved, or graveled, or have an alternate, Control Officer-approved control measure applied so as not to exhibit opacity greater than 20 percent for a period of more than 6 minutes, or an instantaneous opacity greater than 50 percent. [AQR 12.5.2.6]
21. The permittee shall properly cover loaded open-top bulk trucks, regardless of ownership, to prevent visible emissions. [AQR 12.5.2.6]
22. 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 a period of 30 days or more, within 10 days following the 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. [AQR 12.5.2.6]

3.0 LIMITATIONS AND STANDARDS

3.1 OPERATIONAL LIMITS

Wallboard/Plaster Production

1. The permittee shall limit processing of gypsum rock at the Wallboard Plant to 438,000 tons during any consecutive 12-months. *[NSR ATC Modification 6, Revision 0, Condition III-A-4 (10/13/06)]*
2. The permittee shall limit the consumption of each VOC and/or HAP containing materials for the Wallboard Plant to: *[AQR 12.5.2.6(a)]*
 - a. 1,344,824 pounds of “Other VOC Board Additives” during any consecutive 12-month period.
 - b. 300,000 pounds of “Edge Adhesive (TR)” during any consecutive 12-month period.
 - c. 300,000 pounds of “Edge Adhesive (DAP/DGG)” during any consecutive 12-month period.
 - d. 1,320,000 pounds of “Silicone” during any consecutive 12-month period.
 - e. 14,000 pounds of “Wallboard Plant Ink” during any consecutive 12-month period.
 - f. 30,000 pounds of “Gold Paint” during any consecutive 12-month period.
 - g. 12,500 pounds of “Riser Glue” during any consecutive 12-month period.
3. The permittee shall limit the consumption of each VOC and/or HAP containing materials for the Plaster Plant to 158 lbs of ink per any consecutive 12-month period.
4. The permittee shall limit the maximum production of the Plaster Plant to 438,000 tons during any consecutive 12-month period. *[AQR 12.5.2.6(a)]*
5. The permittee shall limit the use of NCA #1 turbine exhaust gas to 400,000 pounds per hour and 1,752,000 tons per any consecutive 12-month period. *[AQR 12.5.2.6(a)]*
6. The permittee shall limit the operation of the emergency generators (EUs: G33) for testing and maintenance purposes to 100 hours/year. The permittee may operate the emergency generators up to 50 hours/year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. Except as provided below (a–e, inclusive), the emergency generators cannot be used for peak shavings or nonemergency demand response, or to generate income for a facility by supplying power to an electric grid or to otherwise supply power as part of a financial arrangement with another entity: *[40 CFR Part 60.4211 and 40 CFR Part 63.6640]*
 - a. The engine is dispatched by the local balancing authority and/or local transmission and distribution operator.

- b. The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to interruption of power supply in a local area or region.
 - c. The dispatch follows reliability, emergency operation, or similar protocols that follow specific NERC, regional, state, public utility commission, or local standards or guidelines.
 - d. The power is provided only to the facility itself or to support the local transmission and distribution system.
 - e. The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for the dispatching engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.
7. The permittee shall limit the operation of the diesel-powered emergency fire pump (EU: G34) for testing and maintenance purposes to 100 hours per year. The permittee may operate the emergency fire pump up to 50 hours per year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. *[40 CFR Part 63.6640]*
 8. The permittee shall limit the operation of the diesel-fired fire pump (EU: G36) for testing and maintenance purposes to 100 hours/year. The permittee may operate the fire pump(s) up to 50 hours/year for nonemergency situations, but those hours count towards the 100 hours provided for testing and maintenance. *[40 CFR Part 63, Subpart ZZZZ and 40 CFR Part 60, Subpart IIII]*
 9. The permittee shall limit the total stockpile area to 10 acres. *[AQR 12.5.2.6(a)]*
 10. The permittee shall limit the VMT on paved haul roads to 34,447 miles per any consecutive 12-month period. *[AQR 12.5.2.6(a)]*
 11. The permittee shall limit the VMT on unpaved haul roads to 10,357 miles per any consecutive 12-month period. *[AQR 12.5.2.6(a)]*
 12. The permittee shall limit the truck dumping and batch dumping of materials to each of the following during any consecutive 12-month period: *[AQR 12.5.2.6(a)]*
 - a. 262,000 tons of Batch Dumping Beta Rock;
 - b. 63,875 tons of Batch Dumping Alpha Rock;
 - c. 689,850 tons of Truck Dumping; and
 - d. 438,000 tons of Batch Dumping Board Rock.
 13. The permittee shall limit the handling of scrap gypsum (EUs: S01 and S02) to 200,000 tons per any consecutive 12-month period (VAEL). *[AQR 12.5.2.6(a)]*

Resin Mat Production

14. The permittee shall limit the consumption of polypropylene, polyamide, polyethylene, or polystyrene resin pellets to 3,750 tons per any consecutive 12-month period. (EU: P01). [AQR 12.5.2.6(a)]

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, except for emission units intended only for use in emergencies. [NSR ATC (12/24/2013); AQR 12.5.2.6(a)]

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

EU ¹	Condition (tpy) ²	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAP
A03	43,800	0.01	0.01	0	0	0	0	0
B01	700,800	0.70	0.39	0	0	0	0	0
	438,000	0.02	0.01					
	438,000	0.02	0.01					
	438,000	0.02	0.01					
B02	700,800	0.46	0.25	0	0	0	0	0
B03	700,800	0.14	0.08	0	0	0	0	0
F01	525,600	1.50	0.82	0	0	0	0	0
F02	262,800	0.75	0.41	0	0	0	0	0
F03	43,800	0.12	0.07	0	0	0	0	0
B04	700,800	0.46	0.25	0	0	0	0	0
C01	87,600	4.07	2.23	4.40	11.99	0.06	0.26	0.08
C02	87,600	4.07	2.23	4.40	11.99	0.06	0.26	0.08
C03	87,600	4.07	2.23	4.40	11.99	0.06	0.26	0.08
C04	87,600	4.07	2.23	4.40	11.99	0.06	0.26	0.08
C05	87,600	4.07	2.23	4.40	11.99	0.06	0.26	0.08
D01a	438,000	0.11	0.06	0	0	0	0	0
D01b	438,000	0.11	0.06	0	0	0	0	0
D01c	438,000	0.13	0.07	0	0	0	0	0
D01d	438,000	0.11	0.06	0	0	0	0	0
D01e	438,000	0.18	0.10	0	0	0	0	0
D06	438,000	0.02	0.01	0	0	0	0	0
D03	438,000	0.35	0.13	0	0	0	0	0
D04	438,000	0.35	0.13	0	0	0	0	0
D07	438,000	0.02	0.01	0	0	0	0	0
D08	17,520	0.01	0.01	0	0	0	0	0
D09	17,520	0.01	0.01	0	0	0	0	0
D10	17,520	0.01	0.01	0	0	0	0	0
D11	43,800	0.03	0.02	0	0	0	0	0
D12	43,800	0.03	0.02	0	0	0	0	0
D13	438,000	0.44	0.24	0	0	0	0	0
D17	438,000	0.44	0.24	0	0	0	0	0

EU ¹	Condition (tpy) ²	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAP
D19	438,000	0.18	0.10	0	0	0	0	0
E02	1,344,824 lbs/year	0	0	0	0	0	13.45	6.05
	300,000 lbs/year	0	0	0	0	0	0.15	0.15
	300,000 lbs/year	0	0	0	0	0	0.50	0.15
	1,320,000 lbs/year	0	0	0	0	0	23.10	0.66
	30,000 lbs/year	0	0	0	0	0	0.03	0.02
	12,500 lbs/year	0	0	0	0	0	0.01	0.01
	14,000 lbs/year	0	0	0	0	0	0.70	0.01
E03	6,900 hours/year (Nonspecialty)	10.13	9.65	38.80	114.69	1.49	3.00	6.72
	1,860 hours/year (Specialty)	6.29	4.12	10.40	30.92	0.40	0.81	
E101	438,000	0.28	0.16	0	0	0	0	0
E102	876,000	0.22	0.12	0	0	0	0	0
E164	438,000	0.18	0.10	0	0	0	0	0
E174	438,000	0.18	0.10	0	0	0	0	0
E175	438,000	0.18	0.10	0	0	0	0	0
E103	438,000	0.35	0.13	0	0	0	0	0
E104	438,000	0.35	0.13	0	0	0	0	0
E105	219,000 tpy and 8,760 hr/yr	1.32	0.73	2.56	2.15	0.02	0.14	0.05
E106	219,000 tpy and 8,760 hr/yr	1.32	0.73	2.56	2.15	0.02	0.14	0.05
E108	219,000	0.18	0.07	0	0	0	0	0
E109	219,000	0.18	0.07	0	0	0	0	0
E110	131,400 tpy and 8,760 hr/yr	2.36	1.59	8.54	7.17	0.05	0.47	0.16
E111	131,400 tpy and 8,760 hr/yr	2.36	1.59	8.54	7.17	0.05	0.47	0.16
E142	438,000	0.11	0.06	0	0	0	0	0
	175,200	0.01	0.01	0	0	0	0	0
E143	438,000	0.35	0.13	0	0	0	0	0
E144	438,000	0.35	0.13	0	0	0	0	0
E145	8,760 hr/yr	0.40	0.40	1.96	3.98	0.03	0.29	0.10
E146	8,760 hr/yr	0.04	0.04	0.51	0.43	0.01	0.03	0.01
E147	8,760 hr/yr	0.04	0.04	0.51	0.43	0.01	0.03	0.01
E148	8,760 hr/yr	0.04	0.04	0.51	0.43	0.01	0.03	0.01
E153	8,760 hr/yr	0.04	0.04	0.51	0.43	0.01	0.03	0.01
E176	438,000	0.18	0.10	0	0	0	0	0
E177	438,000	0.18	0.10	0	0	0	0	0
E178	438,000	0.18	0.10	0	0	0	0	0

EU ¹	Condition (tpy) ²	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAP
E149	17,520	0.01	0.01	0	0	0	0	0
E150	17,520	0.01	0.01	0	0	0	0	0
E151	17,520	0.01	0.01	0	0	0	0	0
E179	n/a	0	0	0	0	0	0	0
E152	52,560	0.03	0.01	0	0	0	0	0
E162	52,560	0.03	0.02	0	0	0	0	0
E160	52,560	0.03	0.02	0	0	0	0	0
E154	52,560	0.02	0.01	0	0	0	0	0
E157	52,560	0.04	0.02	0	0	0	0	0
E158	52,560	0.04	0.02	0	0	0	0	0
G11	52,560	0.04	0.02	0	0	0	0	0
G25	52,560	0.01	0.01	0	0	0	0	0
G28	52,560	0.01	0.01	0	0	0	0	0
E156	52,560	0.02	0.01	0	0	0	0	0
E107	262,800	0.42	0.16	0	0	0	0	0
E173	262,800	0.21	0.08	0	0	0	0	0
G13	105,120	0.02	0.01	0	0	0	0	0
E113	175,200	0.14	0.05	0	0	0	0	0
E166	175,200	0.07	0.04	0	0	0	0	0
E114	219,000	0.35	0.13	0	0	0	0	0
E115	219,000	0.09	0.05	0	0	0	0	0
E117	219,000	0.18	0.07	0	0	0	0	0
	131,400	0.05	0.03	0	0	0	0	0
E119	87,600	0.06	0.03	0	0	0	0	0
G14	87,600	0.06	0.03	0	0	0	0	0
	175,200	0.01	0.01					
E118	219,000	0.18	0.07	0	0	0	0	0
E116	219,000	0.09	0.05	0	0	0	0	0
E120	87,600	0.06	0.03	0	0	0	0	0
G16	87,600	0.06	0.03	0	0	0	0	0
	175,200	0.01	0.01					
E122	87,600	0.07	0.03	0	0	0	0	0
E123	87,600	0.07	0.03	0	0	0	0	0
E124	87,600	0.07	0.03	0	0	0	0	0
E125	87,600	0.07	0.03	0	0	0	0	0
E126	87,600	0.07	0.03	0	0	0	0	0
E127	87,600	0.07	0.03	0	0	0	0	0
E128	175,200	0.14	0.05	0	0	0	0	0
E130	175,200	0.14	0.05	0	0	0	0	0
E129	175,200	0.14	0.05	0	0	0	0	0
E172	438,000	0.18	0.10	0	0	0	0	0
E140	105,120	0.02	0.01	0	0	0	0	0
	262,800	0.21	0.12	0	0	0	0	0
E139	262,800	0.21	0.12	0	0	0	0	0

EU ¹	Condition (tpy) ²	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAP
E168	105,120	0.02	0.01	0	0	0	0	0
E112	438,000	0.48	0.26	0	0	0	0	0
G15	131,400	0.09	0.05	0	0	0	0	0
G17	131,400	0.09	0.05	0	0	0	0	0
E133	262,800	0.45	0.21	0	0	0	0	0
E134	262,800	0.46	0.22	0	0	0	0	0
G18	262,800	0.21	0.08	0	0	0	0	0
G19	262,800	0.21	0.08	0	0	0	0	0
G21	262,800	0.32	0.14	0	0	0	0	0
E188	262,800	0.11	0.06	0	0	0	0	0
E189	175,200	0.01	0.01	0	0	0	0	0
E190	175,200	0.01	0.01	0	0	0	0	0
G32	158	0	0	0	0	0	0.02	0.02
P01	3,750	0.26	0.26	0.01	0	0	0.66	0.29
G33	500 hr/yr	0.03	0.03	0.46	0.10	0.03	0.04	0.01
G34	500 hr/yr	0.12	0.12	3.96	0.91	0.01	0.12	0.01
G36	500 hr/yr	0.04	0.04	1.02	0.34	0.01	0.02	0.01
LP1	8,760 hr/yr	0.05	0.05	0.63	0.10	0.01	0.16	0.01
A01	2,978 VMT	0.23	0.03	0	0	0	0	0
	4,643 VMT	0.35	0.05	0	0	0	0	0
FE100	964 VMT	0.07	0.01	0	0	0	0	0
	6,220 VMT	0.47	0.07	0	0	0	0	0
	3,592 VMT	0.27	0.04	0	0	0	0	0
	2,891 VMT	0.22	0.03	0	0	0	0	0
	7,446 VMT	0.56	0.08	0	0	0	0	0
	2,803 VMT	1.06	0.16	0	0	0	0	0
FE200	1,840 VMT	0.70	0.10	0	0	0	0	0
FE300	262,800	0.13	0.02	0	0	0	0	0
FE141	63,875	0.03	0.01	0	0	0	0	0
FE200a	689,850	2.28	0.35	0	0	0	0	0
FE200b	438,000	0.22	0.03	0	0	0	0	0
A02	10 acres	3.03	0.45	0	0	0	0	0
S01	200,000	0.10	0.02	0	0	0	0	0
S02	200,000	0.10	0.02	0	0	0	0	0
S03	5,714 VMT	0.43	0.06	0	0	0	0	0
	5,714 VMT	2.16	0.23	0	0	0	0	0

¹For performance testing purposes, the DAQ database references only the first EU in each group of EUs. See Section 2.1, Table 2-1.

²The quantities in this column are not intended as enforceable permit limits unless stated otherwise in this permit.

- The permittee shall not allow actual emissions from the board dryer (E03) to exceed the emission limits listed in Table 3-2. [NSR ATC (12/24/2013); AQR 12.5.2.6(a)]

Table 3-2: Emissions Limits for Board Dryer (E03)

PM ₁₀	NO _x	CO
6.80 lbs/hour ¹	11.23 lbs/hour	33.24 lbs/hour

¹This value is the cumulative total of all three stacks (dryer zones 1, 2, and 3).

- The permittee shall not allow actual emissions from the alpha boiler (E145) to exceed the emission limits listed in Table 3-3. *[AQR 12.5.2.6(a)]*

Table 3-3: Emissions Limits for Alpha Boiler (E145)

NO _x	CO
1.14 lbs/hour	0.96 lbs/hour

- The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20 percent opacity for a period of more than 6 consecutive minutes. *[AQR 26.1]*
- The permittee shall not allow visible emissions from the exhaust stacks from the Impeller Mills (EUs: C01–C05), Board Dryer (EU: E03), Roller Mills (EUs: E105, E106), Kettle Calciners (EUs: E110, E111), the Boilers (EUs: E145, E146–E148), and Alpha Multiscrew Heater (EU: E153) in excess of an average of 20% opacity for more than 6 consecutive minutes, in accordance with the procedures specified in EPA Method 9. *[AQR 26.1]*
- The permittee shall not allow the baghouses in the Wallboard Plant (BH-W01–BH-W06, BH-W11–BH-W13) and the baghouses in the Plaster Plant (BH-01 through BH-05, BH-13–BH-16, BH-28, BH-30, BH-31, BH-34) to exhibit visible emissions greater than 7% opacity based on the average of five 6-minute averages, in accordance with the procedures specified in EPA Method 9. *[40 CFR Part 60.672(a)(2)]*
- The permittee shall not allow the baghouses in the Wallboard Plant (BH-W01–BH-W06, BH-W11–BH-W13) and the baghouses in the Plaster Plant (BH-01–BH-05, BH-13–BH-16, BH-28, BH-30, BH-31, BH-34) to discharge into the atmosphere emissions from any stack which contains particulate matter in excess of 0.05 g/dscm (0.022 gr/dscf). *[40 CFR Part 60.672(a)(1)]*
- The permittee shall not allow the baghouses controlling emission units subject to 40 CFR Part 60, Subpart OOO in the Wallboard Plant (BH-W07 and BH-W14 and the Plaster Plant (BH-06, BH-07, BH-10–BH-12, BH-17–BH-23, BH-25, and BH-29) that are enclosed in buildings to exhibit visible emissions exceeding 7% opacity from any opening from the building, except from a vent as defined in 40 CFR Part 60.671. *[40 CFR Part 60.672(e)(1) & (2)]*
- The permittee shall not allow the baghouses in the Plaster Plant (BH-08, BH-09, BH-35, BH-36, and BH-37) to exhibit visible emissions greater than 10% based on a 6-minute average, in accordance with the procedures specified in EPA Method 9. *[40 CFR Part 60.732(b)]*
- The permittee shall not allow the baghouses in the Plaster Plant controlling the kettles (BH-08 and BH-09) to discharge into the atmosphere emissions from any stack that contains particulate matter in excess of 0.092 g/dscm (0.040 gr/dscf). *[40 CFR Part 60.732(a)]*

11. The permittee shall not allow the baghouses in the Plaster Plant controlling the pan dryers (BH-35, BH-36, and BH-37) to discharge into the atmosphere emissions from any stack that contain particulate matter in excess of 0.057 g/dscm (0.025 gr/dscf) [40 CFR Part 60.732(a)]
12. The permittee shall not allow the autoclave calciners (EU: E179) to exhibit any visible emissions. [NSR ATC, Condition IV-B(1)(b) (07/13/2009)]

4.0 COMPLIANCE DEMONSTRATION REQUIREMENTS

4.1 MONITORING

Visible Emissions [AQR 12.5.2.6(d) & AQR 12.5.2.8]

1. EU not subject to CAM will be evaluated to determine whether any visible emissions are present. See Table 4.2 for requirements for emission units subject to CAM.
2. The Responsible Official shall sign and adhere to the *Visible Emissions Check Guidebook* and keep a copy of the signed guide on-site at all times.
3. The permittee shall conduct a daily visual emissions check of operations that are located outside of a building, building vents, and exhaust stacks, while it is in operation.
4. The permittee shall conduct a visual emissions check of each diesel-fired emergency generator and fire pump whenever it is operated for testing and maintenance, but at least quarterly.
5. The permittee shall determine compliance with the opacity limits for unpaved haul roads when required by the Control Officer in accordance with one of the following, as applicable:
 - a. 40 CFR Part 60, Appendix A-4, “Test Methods 6 through 10B: Method 9—Visual Determination of the Opacity of Emissions from Stationary Sources”; or
 - b. The test method set forth in AQR 94.12.4, “Instantaneous Method.”
6. If no plume appears to exceed the opacity standard during the visible emissions check, the date, location, and results shall be recorded, along with the viewer’s name.
7. If a plume appears to exceed the opacity standard, the permittee shall do one of the following:
 - a. Immediately correct the perceived exceedance, then record the first and last name of the person who performed the emissions check, the date the check was performed, the unit(s) observed, and the results of the observation; or
 - b. Call a certified Visible Emissions Evaluation (VEE) reader to perform a U.S. Environmental Protection Agency (EPA) Method 9 evaluation.
 - i. For sources required to have a certified reader on-site, the reader shall start Method 9 observations within 15 minutes of the initial observation. For all other sources, the reader shall start Method 9 observations within 30 minutes of the initial observation.
 - ii. If no opacity exceedance is observed, the certified VEE reader shall record the first and last name of the person who performed the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each emission unit that was initially perceived to have exceeded the opacity limit, and the record shall also indicate:

- (1) The cause of the perceived exceedance;
 - (2) The color of the emissions; and
 - (3) Whether the emissions were light or heavy.
- iii. If an opacity exceedance is observed, the certified VEE reader shall take immediate action to correct the exceedance. The reader shall then record the first and last name of the person performing the VEE, the date the VEE was performed, the unit(s) evaluated, and the results. A Method 9 VEE form shall be completed for each reading identified, and the record shall also indicate:
- (1) The cause of the exceedance;
 - (2) The color of the emissions;
 - (3) Whether the emissions were light or heavy;
 - (4) The duration of the emissions; and
 - (5) The corrective actions taken to resolve the exceedance.
8. Any scenario of visible emissions noncompliance can and may lead to enforcement action.
9. The permittee shall demonstrate compliance with the minimum moisture content (0.5% for screens, crushers, conveyors, storage piles, transfer points, and nonmetallic mineral processing equipment not connected to baghouse controls) by conducting moisture testing and recording the results at least once each week on materials less than 0.25 inch in diameter in accordance with ASTM Standard C 566-97: "Standard Test Method for Total Moisture Content of Aggregate by Drying." [AQR 12.5.2.6(d)]
10. The permittee shall visually inspect the water spray system (which includes a water cannon) daily 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.

Baghouses [AQR 12.5.2.6(d)]

11. The permittee shall conduct daily monitoring of the pressure drop across each baghouse cell with the installation and operation of a pressure differential gauge to demonstrate compliance with the pressure drop listed in Table 2-2. [AQR 12.5.2.6(d)]
12. The permittee shall conduct monthly external inspections of each baghouse that exhausts outside a building, and semiannual external inspections of each baghouse that exhausts inside a building, while it is running to ensure that the equipment is maintained in good working order and operated according to manufacturer's specifications and the following: [AQR 12.5.2.6(d)]
 - a. Verification of the pulse timing sequence;
 - b. Verification that the cleaning system is not of an unusual appearance, and fans are running and not exhibiting unusual sounds or vibrations; and

- c. Verification that seams, connections, and housings are sealed and leak-free, including walls, hoppers, ducting, and piping.
13. 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, the processing of material shall cease until repairs to the baghouse are completed. *[AQR 12.5.2.6(d)]*
14. The permittee shall visually inspect each baghouse interior at least annually for internal mechanical integrity of the unit and for 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, the processing of material shall cease until repairs to the baghouse are completed. *[AQR 12.5.2.6(d)]*
15. 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. If they are, the permittee shall cease operations producing the emissions until the problem is corrected. *[AQR 12.5.2.6(d)]*
16. The permittee shall have a standard operating procedures (SOP) manual for baghouses. The procedures specified in the manual for maintenance shall, at a minimum, include a preventative maintenance schedule that is consistent with the baghouse manufacturer's O&M manual with respect to emissions for routine and long-term maintenance. *[AQR 12.5.2.6(d)]*

Board Dryer [AQR 12.5.2.6(d)]

17. The permittee shall monitor the daily hours of operation for the board dryer when operated in burner mode (EU: E03).

Wallboard Plant [AQR 12.5.2.6(d)]

18. The permittee shall monitor the monthly production of gypsum processed for the Wallboard Plant.
19. The permittee shall monitor the monthly usage of all VOC-containing materials used in the manufacturing of wallboard.
20. The permittee shall monitor the monthly hours of operation for each natural gas-fired emission unit.
21. The permittee shall monitor the monthly hours of operation for each emission unit that uses NCA #1 cogeneration exhaust gas.
22. The permittee shall monitor the hourly consumption of NCA #1 cogeneration exhaust.

Plaster Plant [AQR 12.5.2.6(d)]

23. The permittee shall monitor the monthly production of industrial plaster in the Plaster Plant.
24. The permittee shall monitor the monthly hours of operation for each natural gas-fired emission units;

Generators/Engines

25. The permittee shall monitor the sulfur content and cetane index or aromatic content of the fuel burned in the fire pump and light plant (EU: G34, G36, LP1) by retaining a copy of vendor fuel specifications. [40 CFR Part 60.4207(b)]
26. The permittee shall operate each diesel-fired generator engine and fire pump (EUs: G33, G34, and G36) with a nonresettable hour meter and monitor each one during testing, maintenance, and nonemergency operation.
27. If the engine (EUs: G33, G34, and G36) is used for an emergency, the permittee shall monitor its operation and document the nature of the emergency.

Boiler/Fuel Burning Equipment [AQR 12.5.2.6(d)]

28. The permittee shall monitor the monthly fuel consumption by the boiler. (EU: E145)
29. The permittee shall conduct burner efficiency tests in accordance with the manufacturer's O&M manual with respect to emissions and good combustion practices. Alternative methods may be used upon approval from the Control Officer. (EU: E145)
30. Fuel burning units are required to undergo periodic burner efficiency testing, which is subject to the department's *Guidelines for Source Testing (9/19/2019)*. (EU: E145)
31. The permittee shall perform a burner efficiency test twice each calendar year, at least five months apart but no more than seven. (EU: E145)
32. The permittee may perform a burner efficiency test once each calendar year if the actual hours of operation are less than 50. To exercise this option, the permittee must install an hour meter and begin keeping written records before the start of the calendar year. (EU: 145)
33. The permittee may replace one contemporaneously-required burner efficiency test with a performance test that has acceptable results. (EU: E145)

Resin Mat Production [AQR 12.5.2.6(d)]

34. The permittee shall monitor the monthly combined consumption of polypropylene, polyamide, polyethylene, and polystyrene resin pellets (EU P01).

Haul Roads/Stockpiles [AQR 12.5.2.6(d)]

35. When required by the Control Officer, the permittee shall determine compliance with the silt content limits for unpaved haul roads in accordance with the test method set forth in AQR 91.4.1.2.
36. When required by the Control Officer, the permittee shall determine compliance with the silt loading limits for unpaved haul roads in accordance with the test method set forth in AQR 93.4.1.2.
37. The permittee shall monitor daily the number of vehicle miles traveled on-site by haul trucks entering and leaving (EUs: A01, FE100, FE141, FE200, FE200a, FE200b, FE300, and S03).

38. The permittee shall monitor monthly the total stockpile area (EU: A02).
39. The permittee shall monitor the monthly throughput of scrap gypsum, in tons (EUs: S01 and S02).

Compliance Assurance Monitoring (CAM) [AQR 12.5.2.6(d), AQR 12.5.2.8, & 40 CFR Part 64]

40. The permittee is required to comply with CAM requirements for the emission units with precontrol emission exceeding 100 tons per year of PM₁₀, depicted in Table 4-1 below: [40 CFR Part 64, AQR 12.5.2.6(d)]

Table 4-1: Emission Units Subject to CAM

EU	Description	Control Device
A03, B01–B04, D17, F01–F03	Rock/Recycle Feeder System, Crushing Area Conveyor, Primary Crushing, 200 Ton Rock Bin, End Trim/Bundler, Riser Machine, Milling Area Conveyors, Secondary Crusher, Bucket Elevator–Cemco Feed Screw Conveyor, Bucket Elevator–Rock Tank, and Bucket Elevator–Rock Supply	Baghouse: BH-W01
C01	IMP Mill #1	Baghouse: BH-W02
C02	IMP Mill #2	Baghouse: BH-W03
C03	IMP Mill #3	Baghouse: BH-W04
C04	IMP Mill #4	Baghouse: BH-W05
C05	IMP Mill #5	Baghouse: BH-W06
E101, E102, E164, E174, E175	Roll Crusher, Rock Conveyors, Alpha Rock Screen, North Beta Rock Grizzly Feed Screen, and South Beta Rock Grizzly Feed Screen	Baghouse: BH-01
E105	West Roller Mill	Baghouse: BH-04
E106	East Roller Mill	Baghouse: BH-05
E110 ¹	West Kettle (w/out combustion added)	Baghouse: BH-08
E111 ¹	East Kettle (w/out combustion added)	Baghouse: BH-09
E142–E144, E176–E178	Alpha Rock Conveyors, South Alpha Rock Bin, North Alpha Rock Bin, South Alpha Bin Grizzly Feed Screen, North Alpha Rock Bin Grizzly Feed Screen, Alpha Rock Elevator Screen, and Bucket Elevator–Alpha Basket	Baghouse: BH-13

¹ All emission units except E110 & E111 are subject to 40 CFR Part 60, Subpart OOO; E110 & E111 are subject to 40 CFR Part 60, Subpart UUU.

41. The permittee shall demonstrate compliance with CAM requirements for PM₁₀ and opacity by adhering to the monitoring plan in Table 4-2. The permittee shall obtain daily measurements of the pressure differential between the inlet and outlet of the baghouse (Δp) for PM₁₀, and shall take daily observations of visible emissions for opacity (the absence of visible emissions demonstrate compliance). [AQR 12.5.2.6(d)]

Table 4-2: Monitoring Approach for Baghouses – PM₁₀ and Opacity

CAM Element	Indicator 1	Indicator 2
Indicator	Pressure differential (Δp) for PM ₁₀ : For each baghouse connected to EUs: A03, B01–B04, C01–C05, D17, E101, E102, E105, E106, E110, E111, E142– E144, E164, E174–178, & F01–F03.	Visible emissions for opacity: For each baghouse connected to EUs: A03, B01–B04, C01–C05, D17, E101, E102, E105, E106, E110, E111, E142– E144, E164, E174–178, & F01–F03.
Measurement Approach	The Δp will be measured daily when process equipment is operating. The time of reading and the Δp will be recorded.	VE from the baghouse exhaust will be monitored and documented on a daily basis when process equipment is operating, using EPA Test Method 22.
Indicator Range	The action threshold for Δp is less than 1.0 or greater than 5.0 inches of water. Action thresholds trigger an inspection and corrective action, or documentation that the system is operating normally.	The presence of visible emissions monitored.
Excursion	An excursion is defined as a pressure drop less than 0.5 inch and greater than 6 inches of water for the baghouses. Excursions trigger an inspection, correction action, and a reporting requirement.	An excursion is defined as the presence of visible emissions. Excursions trigger an inspection, corrective action, and a reporting requirement. In addition, if VEs are observed, the baghouse and connected equipment will be shut down.
QIP Thresholds	None selected.	For each individual baghouse, QIP is triggered immediately following the 6 th excursion within a semiannual reporting period and ends following a semiannual period with zero excursions.
Performance Criteria Data Representativeness	Pressure taps are located on the high pressure and low pressure sides of the bag filters. A differential pressure gauge measures and displays the Δp with a minimum accuracy of ± 0.25 inches of water column.	Observations are made at the baghouse exhaust.
Verification of Operational Status	Not applicable.	Not applicable.
QA/QC Practices and Criteria	The Δp gauge will be calibrated or replaced annually.	The VE observer will be familiar with baghouse operations, visible emissions, and EPA Method 22.
Monitoring Frequency	Daily.	Daily.
Data Collection Procedures	Δp is manually recorded daily.	The VE observation is documented by the observer and recorded daily.
Averaging Period (Observation Duration)	Not applicable.	(6 minutes in duration.)

42. In the event of an exceedance, the permittee shall restore operation of the unit, including the control device, to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. [40 CFR Part 64.7(a)]
43. In the event of an exceedance, the permittee shall comply with the applicable CAM reporting and recordkeeping requirements of 40 CFR Part 64.9(a). [40 CFR Part 64.9(a)]

44. The owner or operator shall maintain a written QIP, if required, and have it available for inspection. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate: *[40 CFR Part 64.8(b)(1-2)]*
 - a. Improved preventive maintenance practice;
 - b. Process operation changes;
 - c. Appropriate improvements to control methods;
 - d. Other steps appropriate to correct control performance; and
 - e. More frequent or improved monitoring.
45. If a QIP is required, the owner or operator shall develop and implement one as expeditiously as practicable, and shall notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. *[40 CFR Part 64.8(c)]*
46. Following implementation of a QIP, upon any subsequent determination pursuant to 40 CFR Part 64.7(d)(2), the Administrator or the permitting authority may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have: *[40 CFR Part 64.8(d)]*
 - a. Failed to address the cause of the control device performance problems; or
 - b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
47. Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard; with any existing monitoring, testing, reporting, or recordkeeping requirement that may apply under federal, state, or local law; or with any other applicable requirements under the Act. *[40 CFR Part 64.8(e)]*

CEMS [AQR 12.5.2.6(d) & AQR 12.5.2.8]

This source is not required to have a CEMS.

4.2 TESTING

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 the *Clark County Department of Air Quality Guidelines for Source Testing (9/19/2019)*. Performance testing shall be the instrument for determining initial and subsequent compliance with the emission limitations set forth in this permit. The permittee shall conduct testing unless an equivalent method has been approved by the Control Officer in advance. [AQR 12.5.2.8(a)]
6. The permittee shall use the performance testing methodologies for individual emission units and associated control devices listed in Table 4-3 to demonstrate compliance with the emission limits in Section 3.2. [AQR 12.5.2.8]

Table 4-3: Performance Testing Protocol Requirements

EU ¹	Description	Performance Test	Frequency
A03, B01, B02, B03, B04, D17, F01–F03	Baghouse BH-W01	Method 5 or Method 17	Every 5 years
C01	Baghouse BH-W02	Method 5/202	Every 5 years
C02	Baghouse BH-W03	Method 5/202	Every 5 years
C03	Baghouse BH-W04	Method 5/202	Every 5 years
C04	Baghouse BH-W05	Method 5/202	Every 5 years
C05	Baghouse BH-W06	Method 5/202	Every 5 years
D01e, D06, D19	Baghouse BH-W13	Method 5 or Method 17	Every 5 years
E101, E102, E164, E174, E175	Baghouse BH-01	Method 5 or Method 17	Every 5 years
E105	Baghouse BH-04	Method 5/202	Every 5 years
E106	Baghouse BH-05	Method 5/202	Every 5 years
E110	Baghouse BH-08	Method 5/202	Every 5 years
E111	Baghouse BH-09	Method 5/202	Every 5 years
E142, E143, E144, E176, E177, E178	Baghouse BH-13	Method 5 or Method 17	Every 5 years
E152, E154, E157, E158, E160, E162, G11, G25, G28	Baghouse BH-14	Method 5 or Method 17	Every 5 years
E115, E117, E119, G14	Baghouse BH-15	Method 5 or Method 17	Every 5 years
E116, E118, E120, G16	Baghouse BH-16	Method 5 or Method 17	Every 5 years
E140	Baghouse BH-28	Method 5 or Method 17	Every 5 years
E112, E168, G15, G17	Baghouse BH-30	Method 5 or Method 17	Every 5 years

EU ¹	Description	Performance Test	Frequency
E133, E134	Baghouse BH-31	Method 5 or Method 17	Every 5 years
G18, G19, G21	Baghouse BH-34	Method 5 or Method 17	Every 5 years
E145	Alpha Boiler	Method 7E	Every 5 years
		Method 10	Every 5 years
		Methods 1, 2, 3A, & 4	Every 5 years
E149	BH-35	Method 5/202	Every 5 years
E150	BH-36	Method 5/202	Every 5 years
E151	BH-37	Method 5/202	Every 5 years

¹For performance testing purposes, the DAQ database references only the first EU in each group of EUs. See Section 2.1, Table 2-1.

- The permittee shall test the NCA #1 exhaust gas supplied to the board dryer for NO_x and CO to demonstrate compliance with the emission limitation in Table 3-2 by testing NO_x, CO, and flow, as indicated in Table 4-4, every five years. [AQR 12.5.6(a)]

Table 4-4: Performance Testing Protocol Requirements for NCA #1 Exhaust Crossover Duct

Test Point	Pollutant/ Parameter	Method
NCA #1 Exhaust Crossover Duct	NO _x	Chemiluminescence Analyzer (EPA Method 7E)
NCA #1 Exhaust Crossover Duct	CO	EPA Method 10 analyzer
NCA #1 Exhaust Crossover Duct	Stack Gas Parameters	EPA Methods 1, 2, 3 or 3a, 4

- The permittee shall test each exhaust stack of the Board Dryer (EU: E03) for PM₁₀ to demonstrate compliance with the emission limitation in Table 3-2 (cumulative of zones 1, 2, and 3) by testing PM₁₀, as indicated in Table 4-5, every five years regardless of the burner mode. [AQR 12.5.6(a)]
- If the board dryer (EU: E03) is operated in burner mode for more than 30 consecutive days during the permit term, the permittee shall demonstrate compliance with the emission limitations in Table 3-2 (cumulative of Zones 1, 2, and 3) by testing each exhaust stack for NO_x and CO as indicated in Table 4-5. [AQR 12.5.6(a)]

Table 4-5: Performance Testing Protocol Requirements for Board Dryer Exhaust Stacks

Test Point	Pollutant/ Parameter	Method
Dryer Zone 1, 2, and 3 Exhaust Stacks from Board Dryer	PM ₁₀	EPA Method 5/202
Dryer Zone 1, 2, and 3 Exhaust Stacks from Board Dryer	NO _x	Chemiluminescence Analyzer (EPA Method 7E)
Dryer Zone 1, 2, and 3 Exhaust Stacks from Board Dryer	CO	EPA Method 10 analyzer
Dryer Zone 1, 2, and 3 Exhaust Stacks from Board Dryer	Stack Gas Parameters	EPA Methods 1, 2, 3 or 3a, 4

- With respect to EPA Method 9, initial compliance, the minimum total time of observations shall be 3 hours (thirty 6-minute averages). For subsequent EPA Method 9 compliance, the minimum total time of observation shall be 30 minutes (five, 6-minute averages). [AQR 12.5.2.8(a)]

11. The permittee shall conduct all performance tests while the emission units are operating between 80–100% of the design capacity. *[AQR 12.5.2.8(a)]*
12. The permittee shall conduct each subsequent performance test every five years within 90 days of the anniversary date of the previous performance test. *[AQR 12.5.2.8(a)]*
13. The Control Officer will consider approving the permittee's request for alternative performance test methods if proposed in writing in the performance test protocols. *[AQR 12.5.2.8(a)]*
14. The permittee shall submit a report describing the results of each performance test to the Control Officer within 60 days of the end of the test. *[AQR 12.5.2.8]*
15. 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. *[AQR 12.5.2.8(a)]*
16. The Control Officer may require additional performance testing when operating conditions appear inadequate to demonstrate compliance with the emissions and/or limitations in this permit. *[AQR 12.5.2.8(a)]*

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) and AQR 12.5.2.8]*
2. For all inspections, visible emission checks, and testing required under monitoring, logs, reports, and records shall include at least the date and time, the name of the person performing the action, the results or findings, and the type of corrective actions taken (if required). *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*
3. The permittee shall comply with all applicable recordkeeping requirements of 40 CFR Part 60.7 ("General Provisions"); 40 CFR Part 60, Subpart Dc; 40 CFR Part 63, Subpart IIII; 40 CFR Part 60, Subpart OOO; 40 CFR Part 60, Subpart UUU; 40 CFR Part 63, Subpart ZZZZ; and any other applicable regulations.
4. 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) and AQR 12.5.2.8]*
5. 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]*
6. The permittee shall maintain records of any malfunction of the air pollution control equipment. *[40 CFR Part 60.7(b)]*

4.3.1 Records and Data

1. At a minimum, the permittee shall create and maintain the records identified in Section 4.3.1, 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. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

2. The permittee shall maintain the following records for reporting: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

Wallboard Plant [AQR 12.5.2.6(d)]

- a. Monthly, consecutive 12-month total production of gypsum processed for the Wallboard Plant (reported semiannually);
- b. Monthly, consecutive 12-month total of usage of all VOC-containing materials used in the manufacturing of wallboard (reported semiannually);
- c. Monthly, consecutive 12-month total hours of operation for each natural gas-fired emission units (reported semiannually);
- d. Monthly, consecutive 12-month total hours of operation for each emission unit that uses NCA #1 cogeneration exhaust gas (reported semiannually);
- e. Hourly and each monthly consecutive 12-month total quantity of NCA #1 cogeneration exhaust gas used by the permittee (reported semiannually);
- f. Daily hours of operation for the board dryer when operated in burner mode (EU: E03) (reported semiannually);

Plaster Plant

- g. Monthly, consecutive 12-month total production of industrial plaster in the Plaster Plant (reported semiannually);
- h. Monthly, consecutive 12-month total hours of operation for each natural gas-fired emission units (reported semiannually);

Resin Mat Production

- i. Monthly, consecutive 12-month total combined consumption of polypropylene, polyamide, polyethylene, and polystyrene resin pellets (EU: P01) (reported semiannually);

Diesel Engines

- j. Sulfur content and cetane index or aromatic content of diesel fuel used to power the fire pump and light plant (EUs: G34, G36, LP1), as certified by the supplier (reported semiannually);
- k. Date and duration of operation of the diesel-powered emergency generator(s) and diesel-powered fire pump(s) for testing, maintenance, and nonemergency use (EUs: G33, G34, & G36) (reported semiannually);
- l. A maintenance plan and records of conducted maintenance to demonstrate compliance. The permittee must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the engine and control device are not installed and configured according to the manufacturer's emission-related O&M manual, or if the emission-related settings

are changed in a way the manufacturer does not permit, the permittee must conduct an initial performance test to demonstrate compliance with the applicable emission standards within one year of such action (EU: LP1) (reported semiannually);

- m. Date and duration of operation of the diesel-powered emergency generator(s) and diesel-powered fire pump(s) for emergency use, including documentation justifying use during the emergency (EUs: G33, G34, & G36) (reported semiannually);

Fugitive Emissions

- n. Monthly average stockpile area in acres (reported semiannually);
 - o. Monthly, consecutive 12-month total VMT of the on-site haul roads (separately for paved and unpaved roads) (reported semiannually);
 - p. Monthly, consecutive 12-month total throughput for truck and batch dumping (EUs: FE141, FE200a, FE200b, & FE300 (reported semiannually); and
 - q. Monthly and each monthly consecutive throughput for handling of scrap gypsum (EUs: S01 & S02) (reported semiannually).
3. The permittee shall maintain the following records on-site: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*
- a. O&M for equipment and control devices;
 - b. Manufacturer's specification sheet for each filter media used to meet the conditions in the control requirements section;
 - c. Length of on-site haul roads;
 - d. Log of control device inspections, maintenance, and repairs;
 - e. Log of daily pressure drop across each baghouse cell;
 - f. Result of daily visible emission checks of the operations;
 - g. Results of daily visual observations of the baghouse;
 - h. Results of boiler-tune ups for the Alpha boiler;
 - i. Results of weekly moisture sampling;
 - j. MSDS records of all VOC-containing materials used in the manufacturing of wallboard;
 - k. Log of dust control measures applied to the paved haul roads, unpaved haul roads, and storage piles; and
 - l. Results of performance testing.

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 (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 EPA and 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 Saturday or Sunday, or on a state or federal holiday, the submittal shall be due on the next regularly scheduled 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 (i.e., the emissions inventory). *[AQR 12.9.1]*
12. The permittee shall comply with all applicable notification and reporting requirements of 40 CFR Part 60.7 (“General Provisions”); 40 CFR Part 60, Subpart Dc; 40 CFR Part 60, Subpart OOO; 40 CFR Part 63, Subpart IIII; 40 CFR Part 63, Subpart ZZZZ; and 40 CFR Part 60, Subpart UUU. *[AQR 12.5.2.6(d)]*
13. The permittee shall submit semiannual monitoring reports to DAQ. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*
14. The following requirements apply to semiannual reports: *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*
 - a. The report shall include the items identified in Section 4.3.1.
 - b. The report shall be based on a calendar semiannual period that includes partial reporting periods.
 - c. The report shall be received by DAQ within 30 calendar days of the semiannual period.
15. Regardless of the date of issuance of this OP, the source shall comply with the schedule for report submissions outlined in Table 4-2. *[AQR 12.5.2.6(d) and AQR 12.5.2.8]*

Table 4-6: Required Submission Dates for Various Reports

Required Report	Applicable Period	Due Date
Semiannual report for 1 st six-month period	January, February, March, April, May, June	July 30 each year ¹
Semiannual report for 2 nd 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 Emissions Inventory Report	Calendar year	March 31 each year ¹
Annual Emissions 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	Within 12 hours of when permittee learns of event
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

Required Report	Applicable Period	Due Date
Deviation Report without Excess Emissions	As required	Along with semiannual reports ¹
Performance Testing	As required	Within 60 days of end of test ¹

¹If the due date falls on a Saturday, Sunday, or federal or state 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.

16. 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

Permit Shield

1. Currently the source does not have a permit shield. The source has not been granted a permit shield in this renewal because the request for one in the renewal was not accompanied by any supporting discussion. [AQR 12.5.2.9]

Streamlining

2. Tables 5-1 through 5-4 show comparisons of the requirements in the regulations versus those in the permit. [AQR 12.5.2.9]

Table 5-1: Streamlining Demonstration for 40 CFR Part 60, Subpart UUU

EU ID	Description	Const. Date	Control Device	NSPS UUU "Affected Facility"	Regulatory Citation	Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
E110	West Kettle	2001	BH-08	Calcining Kettle	60.732(a) 60.732(b)	0.040	10%	0.092 g/dscm (0.040 gr/dscf)	10%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E111	East Kettle	2001	BH-09	Calcining Kettle	60.732(a) 60.732(b)	0.040	10%	0.092 g/dscm (0.040 gr/dscf)	10%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E149	Pan Dryer No. 1	2001	BH-35	Dryer	60.732(a) 60.732(b)	0.025	10%	0.057 g/dscm (0.025 gr/dscf)	10%	The permit limit is equal to the regulatory limit.
E150	Pan Dryer No. 2	2001	BH-36	Dryer	60.732(a) 60.732(b)	0.025	10%	0.057 g/dscm (0.025 gr/dscf)	10%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E151	Pan Dryer No. 3	2001	BH-37	Dryer	60.732(a) 60.732(b)	0.025	10%	0.057 g/dscm (0.025 gr/dscf)	10%	The permit limit is equal to, or more restrictive than, the regulatory limit.

Table 5-2: Streamlining Demonstration for 40 CFR Part 60, Subpart OOO

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
B01	Crushing Area Conveyors	1986	BH-W01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Bucket Elevator - Rock Tank	1986	BH-W01	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Bucket Elevator - Rock Supply	1986	BH-W01	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
B02	Primary Crusher Hammermill	1986	BH-W01	--	Crusher	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
B03	200 ton Rock Tank	1986	BH-W01	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
B04	Secondary Crusher (CEMCO)	1986	BH-W01	--	Crusher	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
C01	Imp Mill #1	1986	BH-W02	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf) 0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
C02	Imp Mill #2	1986	BH-W03	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
C03	Imp Mill #3	1986	BH-W04	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
C04	Imp Mill #4	1986	BH-W05	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
C05	Imp Mill #5	1986	BH-W06	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
D01c	Stucco Transfer Elevator	1986	BH-W07	Wallboard Bldg	Bucket Elevator	60.672(e)(1)	--	--	7%		0% except for vent	
D01e	Stucco Tank Supply Elevator	1986	BH-W13	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Stucco Recirculating Elevator	1986	BH-W13	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
	Stucco Supply Elevator	1986	BH-W13	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
D03	North Stucco Storage Bin	1986	BH-W11	--	Storage Bin	60.672(a)	Table 2	0.022	7%		7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
D04	South Stucco Storage Bin	1986	BH-W12	--	Storage Bin	60.672(a)	Table 2	0.022	7%		7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
D09	Landplaster Bin #1	1986	BH-W14	Wallboard Bldg	Storage Bins	60.672(e)(1)	--	--	7%		7%	
D10	Landplaster Bin #2	1986	BH-W14	Wallboard Bldg	Storage Bins	60.672(e)(1)	--	--	7%		7%	
	Land Plaster Elevator	1986	BH-W14	Wallboard Bldg	Bucket Elevator	60.672(e)(1)	--	--	7%		7%	
D11	Ball Mill No. 1	1986	BH-W14	Wallboard Bldg	Grinding Mill	60.672(e)(1)	--	--	7%		7%	
D12	Ball Mill No. 2	1986	BH-W14	Wallboard Bldg	Grinding Mill	60.672(e)(1)	--	--	7%		7%	
D19	Stucco Sifter	1986	BH-W13	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E174	North Beta Rock Hopper Grizzly Feeder	2001	BH-01	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E175	South Beta Rock Hopper Grizzly Feeder	2001	BH-01	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E101	Roll Crusher	2001	BH-01	--	Crusher	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E102	Crusher Feed Belt	2001	BH-01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Fines Belt	2001	BH-01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
	Beta Rock Incline Belt	2001	BH-01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Beta Rock Distribution Belt	2001	BH-01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E103	West Beta Rock Bin	2001	BH-02	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E104	East Beta Rock Bin	2001	BH-03	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E105	West Roller Mill	2001	BH-04	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E106	East Roller Mill	2001	BH-05	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E107	LP Bulk Loadout Bin	2001	BH-10	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
	LP Bulk Loadout	2001	BH-10	Plaster Bldg	Enclosed Truck or Railcar Loading Station	60.672(e)(1)	--	--	7%		0% except for a vent	
E108	West LP Bin	2001	BH-06	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E109	East LP Bin	2001	BH-07	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
G15	West Beta Impact Mill No. 3	2001	BH-30	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
G17	East Beta Impact Mill No. 3	2001	BH-30	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G13	LP Bulk Bag Loading System	2001	BH-30	--	Bagging Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E112	West Hot Pit Bucket Elevator	2001	BH-30	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	East Hot Pit Bucket Elevator	2001	BH-30	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E113	Reject Bin	2001	BH-11	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E166	Stucco Sweeco Screen	2001	BH-12	Plaster Bldg	Screening Operation	60.672(e)(1)	--	--	7%		0% except for a vent	
E114	Stucco Bulk Loadout Bin	2001	BH-12	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
	Stucco Bulk Loadout	2001	BH-12	Plaster Bldg	Enclosed Truck or Railcar Loading Station	60.672(e)(1)	--	--	7%		0% except for a vent	
E164	Alpha Rock Screen	2001	BH-01	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E142a	Alpha Rock Supply Belt	2001	BH-01	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E142b	Alpha Rock Incline Belt	2001	--	--	Belt Conveyor	60.672(b)	Table 3	--	10%	10%	10%	

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
E142c	Autoclave Rock Supply Belt	2001	BH-13	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Alpha Rock Distribution Belt	2001	BH-13	--	Belt Conveyor	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Alpha Basket Fill Bucket Elevator	2001	BH-13	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E143	South Alpha Rock Bin	2001	BH-13	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E144	North Alpha Rock Bin	2001	BH-13	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E176	South Alpha Rock Bin Grizzly Feeder	2001	BH-13	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E177	North Alpha Rock Bin Grizzly Feeder	2001	BH-13	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E178	Alpha Rock Elevator Screen	2001	BH-13	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G25	Alpha Surge Bin Elevator	2001	BH-14	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G11	Alpha Surge Bin	2001	BH-14	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
E160	Alpha Hammer Mill	2001	BH-14	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E152	Bucket Elevator - Alpha Reheater Feed	2001	BH-14	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Bucket Elevator - Alpha Reheater Discharge	2001	BH-14	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E162	Alpha Crusher No. 2 (CEMCO)	2001	BH-14	--	Crusher	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E154	Alpha Hummer Screen	2001	BH-14	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E156	Alpha Reject Screens (2)	2001	BH-14	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G28	Alpha Storage Bin Feed Bucket Elevator	2001	BH-14	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E157	South Alpha Storage Bin	2001	BH-14	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E158	North Alpha Storage Bin	2001	BH-14	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E115	West Hummer Screen	2001	BH-15	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
E117	West Stucco Bin	2001	BH-15	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E119	West Beta Impact Mill No. 1	2001	BH-15	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G14	West Beta Impact Mill No. 2	2001	BH-15	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	East Finish Stucco Bucket Elevator	2001	BH-15	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E116	East Hummer Screen	2001	BH-16	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E118	East Stucco Bin	2001	BH-16	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E120	East Beta Impact Mill No. 1	2001	BH-16	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G16	East Beta Impact Mill No. 2	2001	BH-16	--	Grinding Mill	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	West Finish Stucco Bucket Elevator	2001	BH-16	--	Bucket Elevator	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E122	Split Finish Bin No. 1	2001	BH-17	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
E123	Split Finish Bin No. 1	2001	BH-18	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E124	Split Finish Bin No. 2	2001	BH-19	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E125	Split Finish Bin No. 2	2001	BH-20	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E126	Split Finish Bin No. 3	2001	BH-21	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E127	Split Finish Bin No. 3	2001	BH-22	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E128	South Alpha Bin	2001	BH-23	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E129	North Alpha Bin	2001	BH-25	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E140	Mixed Product Bulk Bagging	2001	BH-28	--	Bagging Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	Mixed Product Bulk Loadout Bin	2001	BH-28	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E133	South Weigh Hopper Feed Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	South Weigh Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	South Bag Packer Feeder Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS OOO Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
	South Bag Packer	2001	BH-31	--	Bagging Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	South Mixed Product Bulk Loadout	2001	BH-31	--	Enclosed Truck or Railcar Loading Station	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E134	North Weigh Hopper Feed Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	South Weigh Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	North Bag Packer Feed Hopper	2001	BH-31	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	North Bag Packer	2001	BH-31	--	Bagging Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
	North Mixed Product Bulk Loadout	2001	BH-31	--	Enclosed Truck or Railcar Loading Station	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G18	Hamilton Surge Bin	2001	BH-34	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G19	Hamilton Bulk Loadout Bin	2001	BH-34	--	Storage Bin	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
G21	Hamilton Rotary Screen	2001	BH-34	--	Screening Operation	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.

EU ID	Description	Const. Date	Control Device	Enclosure?	NSPS 000 Equipment Type	Requirement Citations		Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
	Hamilton Bulk Loadout	2001	BH-34	--	Enclosed Truck or Railcar Loading Station	60.672(a)	Table 2	0.022	7%	0.05 g/dscm (0.022 gr/dscf)	7%	The permit limit is equal to, or more restrictive than, the regulatory limit.
E139	Finished Product Bulk Loadout Bin	2001	BH-29	Plaster Bldg	Storage Bin	60.672(e)(1)	--	--	7%		0% except for a vent	
E168	Finished Product Bulk Bag System	2001	BH-29	Plaster Bldg	Bagging Operation	60.672(e)(1)	--	--	7%		0% except for a vent	

Table 5-3: Streamlining Demonstration for 40 CFR 60, Subparts Dc and IIII

EU ID	Description	Const. Date	NSPS	Regulatory Citation	Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
145	12 MMBtu/hr Alpha Boiler	After 1989	Dc	60.48c(g)(2)	None	None	N/A	20% at all times, hour/fuel meter, recordkeeping	The permit limit is equal to, or more restrictive than, the regulatory limit.
LP1	14.5 hp light plant	2008-2014	IIII	60.4201(a)	NMHC + NOx = 7.5 g/kW-hr CO = 6.6 g/kW-hr PM = 0.40 g/kW-hr (based on the standard)	Acc = 20% Lug = 15% Peak = 50%	Mfg Specs, ultra low sulfur diesel fuel	20% at all times, hour meter, recordkeeping, mfg specs	The permit limit is equal to, or more restrictive than, the regulatory limit.
G36	687 hp Emergency Fire Pump	2019	IIII	60.4205(c)	NMHC + NOx = 4.0 g/kW-hr CO = 3.5 g/kW-hr PM = 0.20 g/kW-hr (based on the standard)	none	Mfg Specs, ultra low sulfur diesel fuel	20% at all times, hour meter, recordkeeping, mfg specs	The permit limit is equal to, or more restrictive than, the regulatory limit.

Table 5-4: Streamlining Demonstration for 40 CFR Part 63, Subpart ZZZZ

EU ID	Description	Const. Date	Regulatory Citation	Emission Limit (gr/dscf)	Opacity Limit	Permit Emission Limit	Permit Opacity Limit	Streamlining Statement
G33	59 hp emergency generator	Pre 2006	63.6603, 63.6625, 63.6640, 63.6650, 63.6655	Not applicable to emergency engines. Management practices only.	None	None – follow management practices	20% at all times, hour meter, recordkeeping	The permit limit is equal to, or more restrictive than, the regulatory limit.
G34	660 hp emergency fire pump	Pre 2006	63.6603, 63.6625, 63.6640, 63.6650, 63.6655	Not applicable to emergency engines. Management practices only.	None	None – follow management practices	20% at all times, hour meter, recordkeeping	The permit limit is equal to, or more restrictive than, the regulatory limit.

6.0 ACID RAIN REQUIREMENTS

This source is not subject to Acid Rain Requirements.

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 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 ADMINISTRATIVE REQUIREMENTS

8.1 GENERAL

1. The permittee shall comply with all conditions of the Part 70 OP. Any permit noncompliance may constitute a violation of the Clark County 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 APPLICABLE REGULATIONS

Requirements Specifically Identified as Applicable

1. NRS, Chapter 445B.
2. Applicable AQRs listed in Table 9-1.

Table 9-1: 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 13.2(b)(1)	"Subpart A - General Provisions"
AQR 13.2(b)(82)	"Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
AQR 14.1(b)(1)	"Subpart A – General Provisions"
AQR 14.1(b)(5)	"Subpart Dc – Standards of Performance for Small Industrial – Commercial – Institutional Steam Generating Units"
AQR 14.1(b)(68), Subpart OOO	"Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants"
AQR 14.1(b)(74)	"Subpart UUU – Calciners and Dryers in Mineral Industries"
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 27	"Particulate Matter from Process Weight Rate"
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"

Citation	Title
AQR 45	"Idling of Diesel Powered Motor Vehicles"
AQR 70	"Emergency Procedures"
AQR 80	"Circumvention"
AQR 91	"Fugitive Dust, Unpaved Roads, Unpaved Alleys and Unpaved Easement Roads" (test methods only)

3. Clean Air Act Amendments (42 U.S.C. § 7401, et seq.)
4. Applicable 40 CFR sections are listed in Table 9-2.

Table 9-2: Applicable Federal Standards

Citation	Title
40 CFR Part 52.21	"Prevention of significant deterioration of air quality"
40 CFR Part 52, Subpart DD	"Approval and Promulgation of Implementation Plans –Nevada" (§ 52.1470)
40 CFR Part 60, Subpart A	"General Provisions" (NSPS)
40 CFR Part 60, Subpart Dc	"Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units"
40 CFR Part 60, Subpart IIII	"Standards of Performance for Stationary Compression Ignition Internal Combustion Engines"
40 CFR Part 60, Subpart OOO	"Standards of Performance for Nonmetallic Mineral Processing Plants"
40 CFR Part 60, Subpart UUU	"Standards of Performance for Calciners and Dryers in Mineral Industries"
40 CFR Part 60, Appendix A	Test 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" (NESHAP)
40 CFR Part 63, Subpart ZZZZ	"National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
40 CFR Part 64	"Compliance Assurance Monitoring"
40 CFR Part 70	"State Operating Permit Programs"
40 CFR Part 82	"Protection of Stratospheric Ozone"