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PART 70 OPERATING PERMIT

SOURCE ID: 138

J.R. Simplot Company
665 Simplot Road
Overton, Nevada 89040
T16S, R68E, S30

ISSUED ON: October 26, 2022

EXPIRES: October 25, 2027

Current action: Renewal with Reopenings for Cause

Issued to:

JR Simplot Co. dba Simplot Silica Products
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Overton, Nevada 89040

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NATURE OF BUSINESS:

SIC code 1446, "Industrial Sand Mining"
NAICS code 212322, "Industrial Sand Mining"

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

Theodore A. Lendis, Permitting Manager

EXECUTIVE SUMMARY

J. R. Simplot Company (Simplot) operates a silica pit and mill plant in Overton, Nevada, that produces a high silica sand (>98% SiO₂) for use in glass manufacturing, construction, and other markets. General activities include mining and conveying of the slurry at the pit and processing, dewatering, drying, and shipping of the silica product from the plant. Other activities include periodic blasting, stockpiling and management of waste piles, and occasional dredging of settling ponds. The Part 70 source is located within the Moapa Valley air shed—Hydrographic Area (HA) 220—which is in attainment for all regulated air pollutants.

Simplot is a major source for nitrogen oxide (NO_x) and a synthetic minor source for particulate matter equal to or less than 10 microns in aerodynamic diameter (PM₁₀). It is a minor source for all other criteria pollutants, including GHG. It is not a categorical source and, for the purpose of PSD applicability, is below the 250 tons per year (tpy) thresholds for all pollutants.

The following table summarizes the source’s potential to emit (PTE) for each regulated air pollutant from all emission units addressed in this Part 70 Operating Permit (OP).

Source-wide PTE (tons per year)

Pollutant	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAP	H ₂ S	Pb	GHG ¹
Process	47.45	40.74	233.38	6.77	22.90	1.82	0.10	0	0	43,434.91
Fugitives	69.30	6.86	1.98	10.24	0	0	0	0	0	0
Facility Totals	116.75	47.60	235.36	17.01	22.90	1.82	0.10	0	0	43,434.91

¹Expressed as metric tons of CO₂e

DAQ will continue to require the sources to estimate their GHG potential to emit in terms of each individual pollutant (CO₂, CH₄, N₂O, SF₆ etc.) during subsequent permitting actions, and these PTEs are for informational purposes.

The coal-fired sand dryer is subject to the requirements of 40 CFR Part 60, Subpart UUU. The facility also has a gasoline dispensing operation subject to 40 CFR Part 63, Subpart CCCCCC and a 78-hp water pump subject to 40 CFR Part 60, Subpart IIII. By complying with 40 CFR Part 60, Subpart IIII, this water pump meets the requirements of 40 CFR Part 63, Subpart ZZZZ.

Pursuant to Section 12.5 of the Clark County Air Quality Regulations (AQR 12.5), all terms and conditions in Sections I–VI and Attachment 1 of 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)

Acronym	Term
AQR	Clark County Air Quality Regulation
ATC	Authority to Construct
ATC/OP	Authority to Construct/Operating Permit
BH	baghouse
CAM	Compliance Assurance Monitoring
CFR	Code of Federal Regulations
CO	carbon monoxide
CO ₂	carbon dioxide
DAQ	Division of Air Quality
DES	Clark County Department of Environment and Sustainability
DOM	date of manufacture
EPA	U.S. Environmental Protection Agency
EU	emission unit
g/dscm	gram per standard cubic meter of dry gas
gr/dscf	grain per standard cubic foot of dry gas
H ₂ S	hydrogen sulfide
HAP	hazardous air pollutant
hp	horsepower
MMBtu	Millions of British thermal units
NAICS	North American Industry Classification System
NO _x	nitrogen oxides
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
PTE	potential to emit
QIP	Quality Improvement Plan
SO ₂	sulfur dioxides
tpy	Tons per year
VEE	visible emissions evaluation
VMT	vehicle miles traveled
VOC	volatile organic compound

1.0 EQUIPMENT

1.1 EMISSION UNITS

The stationary source covered by this Part 70 OP is defined to consist of the emission units and associated control measures summarized in Table 1-1. [AQR 12.5.2.3]

Table 1-1: List of Emission Units

EU	Description	Rating (ton/hr)	Control Method
Mining and Screening			
A01a	Mining	500	Moisture
A03a	Loader to Grizzly Screen/Hopper	500	Moisture
	Grizzly Screen	500	
	Grizzly Screen/Hopper to Feed Conveyor #1	500	
	Grizzly Screen to Grizzly Oversize Bunker	21	
	Grizzly Oversize Bunker to Oversize Stockpile	21	
A04a	Grizzly Screen and Scalping Screen Oversize Stockpile	5.0 acres	Moisture
A05a	Feed Conveyor #1 to Incline Conveyor #1	500	Moisture
A06a	Incline Conveyor #1 to Scalping Screen	500	
	Scalping Screen	500	
	Scalping Screen to Feed Conveyor #2	500	
	Scalping Screen to Scalping Oversize Bunker	41	
	Scalping Oversize Bunker to Oversize Stockpile	41	
A08a	Feed Conveyor #2 to Incline Conveyor #2	500	Moisture
Wet Screening			
A09a	Incline Conveyor #2 to Wet Screen Turning Box (Chute)	500	>10% Moisture
	Wet Screen Turning Box to Wet Screen	500	
A09b	Wet Screen	500	
	Wet Screen to Oversize Bunker	25	
	Oversize Bunker to Overburden Stockpile	25	
A10a	Overburden Stockpile	2.0 acres	Moisture
A11a	Wet Screen to Slurry Hopper, Slurry Hopper to Product Slurry Line	500	>10% Moisture
Flotation Process			
A12	Flotation and Tailings (4 Hydrosizers)	500	>10% Moisture
Dewatering			
A22	Product Slurry Line to Dewatering Plant	400	>10% Moisture
A24	Dewatering Screens #1 - #4	400	
	Dewatering Screens Discharge to Short Conveyor		
A24b	Short Conveyor to 70 Stacker	400	
	70 Stacker to Dewatering Product Stockpiles	400	
A28	Dewatering Product Stockpiles	6.0 acres	Inherent Moisture

EU	Description	Rating (ton/hr)	Control Method
Drying and Polishing Process			
A29	Wet Stockpile Sand Loading to Sand Feed Hopper	250	Inherent Moisture
	Sand Feed Hopper to Sand Feed Belt		
	Sand Feed Belt to Sand Feed Weigh Belt		
A32	Coal-Fired Sand Dryer	50 MMBtu/hr	Baghouse/ Scrubber
	Sand Feed Weigh Belt to Dryer Sand Feed Chute	250	Inherent Moisture
	Dryer Discharge to Dryer Discharge Belt		Main Baghouse
	Cyclone Discharge to Cyclone Discharge Belt		
A33b	Cyclone Discharge Belt to Dryer Discharge Belt	5	Main Baghouse
A34	Dryer Discharge Belt to Screen Feed Belt	250	
A36	Screen Feed Belt to (4) Polishing Screens	250	Screen Baghouse
	(4) Polishing Screens		
	(4) Polishing Screens to Screen Return Conveyor		
A36a	Screen Return Conveyor to Short Conveyor	250	Main Baghouse
	Short Conveyor to #1 Stacker		#1 Stacker Baghouse
	#1 Stacker to 8 Storage Bins		
A42	Screen Oversize to East Reject Belt	10	Inherent Moisture
	Screen Oversize to West Reject Belt		
	West Reject Conveyor to Sand Pile to Oversize and Reject Stockpile		
	East Reject Conveyor to Sand Pile to Oversize and Reject Stockpile		
A123	Stockpile (EU A112) to Hopper	200	Inherent Moisture
	Hopper to Discharge Conveyor		
	Discharge Conveyor to Dryer Discharge Belt		
Final Product Transfer and Storage			
A39	8 Storage Bins	250	Bin Baghouse
A40	Transfer from storage Bin #1 - #4 to Low Side Conveyor to Loadout Conveyor	400	Loadout Conveyor Tail Baghouse
	Transfer from storage Bin #5 - #8 to High Side Conveyor to Loadout Conveyor		
A40a	Transfer from the Low Side Conveyor (EU A40) to Stockpile Conveyor	400	Inherent Moisture
A112a	Transfer from Stockpile Conveyor to EU A112 Stockpile	400	Stockpile Conveyor Head Pulley Baghouse
A112	Product Stockpile	1.0 acre	Inherent Moisture
A124	Transfer from Loadout Conveyor to Truck Spout	400	Loadout Conveyor Head Baghouse
	Transfer from Loadout Conveyor to Rail Loadout Conveyor		
	Transfer from Truck Spout to Truck		

EU	Description	Rating (ton/hr)	Control Method
A125	Transfer from Rail Loadout Conveyor to Rail Spout	400	Belt Head Ventilation Module
A126	Transfer from Rail Spout to Railcar	400	Loadout Compact Filter Module
A127	Transfer from Loadout Conveyor to Reject Bunker	200	Inherent Moisture
	Transfer from Reject Bunker to Oversize and Reject Stockpile		
A50	Oversize and Reject Stockpile	1.0 acre	Inherent Moisture
B01	Coal Stockpile	0.8 acre	Inherent Moisture
C01	Operations Haul Roads	12 miles RT	
	Pit Unpaved Haul Roads		
C02	Blasting		
C03	Drilling		
D05	Deutz Water Pump	78 hp	
E01	Aboveground gasoline storage tank	500 gallon	

1.2 INSIGNIFICANT UNITS AND ACTIVITIES

The units in Table III-B-1 are present at this source, but are insignificant activities pursuant to AQR 12.5. The emissions from these units or activities, when added to the PTE of the source, will not make the source major for any additional pollutant. [AQR 12.5.2.5]

Table 1-2: Insignificant Activities

EU	Capacity
Diesel Dispensing Tanks (3)	<40,000 gallons each
Portable Gasoline Tanks	<500 gallons
Internal combustion engines powering portable light plants (3)	2 @ 4,000 watts each 1 @ 6,000 watts
Gasoline-powered portable welders	
Slurry Tank	
Coal/Ash Handling system	
Portable conveyor – 1000 tons/year	
Booster pump stations (2)	

1.3 NONROAD ENGINES

Pursuant to 40 CFR Part 1068.30, nonroad engines that are portable or transportable (i.e., not used on self-propelled equipment) shall not remain at a location for more than 12 consecutive months; otherwise, the engine(s) will constitute a stationary reciprocating internal combustion engine (RICE) and be subject to the applicable requirements of 40 CFR Part 63, Subpart ZZZZ; 40 CFR Part 60, Subpart IIII; and/or 40 CFR Part 60, Subpart JJJJ. Stationary RICE shall be permitted as emission units upon commencing operation at this stationary source. Records of location changes for portable or transportable nonroad engines shall be maintained, and shall be made available to the Control Officer upon request. These records are not required for engines owned and operated by a contractor for maintenance and construction activities, as long as records are maintained demonstrating that such work took place at the stationary source for periods of less than 12 consecutive months.

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

2.0 CONTROLS

2.1 CONTROL DEVICES

Baghouses/Bin Vents

1. The permittee shall operate a baghouse (BH01) on the coal-fired sand dryer indicated in Table 2-1 at all times when combusting coal during dryer operation. *[NSR ATC Modification: 7, Revision 1, Condition IV-C-9 (04/27/2009), AQR 12.5.2.6(a)]*
2. The permittee shall operate all baghouses/bin vents listed in Table 2-1 consistent with manufacturer specifications to control particulate emissions for the specified corresponding equipment at all times the processing equipment is operating. *[AQR 12.5.2.6(a)]*
3. The permittee shall operate and maintain all baghouses/bin vents during operations in accordance with a manufacturer’s O&M manual or operation plan developed by the permittee that is consistent with manufacturer specifications and the control standards of this permit. At a minimum, the operation plan shall be as stringent as manufacturer specifications. The permittee may propose an alternative operation plan for DAQ approval. *[AQR 12.5.2.6(a)]*
4. The permittee shall operate each baghouse/bin vent so the pressure drops stay within the limits specified in Table 2-1.

Table 2-1: Summary of PM₁₀ Add-On Control Devices not Subject to CAM

Control Device		Description	ΔP Range (in. H ₂ O)	Corresponding Emission Unit
Number	Type			
BH02	Baghouse ¹	Screen	0.1–3.1	A36
BH03	Baghouse ¹	#1 Stacker	8.0–12.0	A36a
BH04	Baghouse ¹	Binvent 1	6.0–10.0	A39
		Binvent 2	6.0–10.0	A39
		Binvent 3	8.5–12.5	A39
		Binvent 4	8.5–12.5	A39
		Binvent 5	6.0–10.0	A39
		Binvent 6	8.5–12.5	A39
		Binvent 7	8.5–12.5	A39
		Binvent 8	6.0–10.0	A39
BH05	Baghouse ¹	Loadout Conveyor Tail	4.0–8.0	A40
BH14	Baghouse ²	Loadout Conveyor Head	0.2–5.8	A124
BH16	Filter ¹	Belt Head Ventilation Module	5.0–9.0	A125
BH15	Filter ¹	Loadout Compact Filter Module	6.5–10.5	A126
BH17	Baghouse ¹	Stockpile Conveyor Head Pulley	4.0–8.0	A112a

¹Finch Environmental data, 01/29/2022.

²Manufacturers data.

Sand Dryer Scrubber

5. The permittee shall operate the caustic or lime scrubber (S01) indicated in Table 2-2 at all times when burning coal during operation of the coal-fired sand dryer (EU: A32). *[NSR ATC Modification: 7, Revision 1, Condition IV- C-8 (04/27/2009)]*
6. The permittee shall install, maintain, and operate the coal-fired sand dryer with the caustic or lime scrubber that controls at least 89% of SO₂ emissions when burning coal containing less than 0.8% sulfur by weight, and the scrubber that controls at least 85% of SO₂ emissions when burning coal containing less than 0.6% sulfur by weight. *[NSR ATC Modification: 7, Revision 1, Condition IV-C-7 (04/27/2009)]*
7. The permittee shall operate and maintain the caustic or lime scrubber at all times during operation in accordance with an operation plan developed by the permittee consistent with manufacturer specifications and the control standards of this permit. At a minimum, the operation plan shall be as stringent as manufacturer specifications. The source may propose an alternative operation plan for DAQ approval. *[AQR 12.5.2.6(a)]*

Table 2-2: Summary of SO₂ Add-On Control Devices

Control Device		Description	Corresponding Emission Unit
Number	Type		
S01	Scrubber ¹	Dryer	A32

¹Cam applicable.

2.2 CONTROL REQUIREMENTS

Processing

1. The permittee shall control fugitive dust emissions from conveyors, storage piles, transfer points, drop points, stacker points, and nonmetallic mineral processing equipment that is not connected to baghouse controls or part of the wet process by operational water sprays as needed to prevent exceeding opacity standards. *[AQR 12.5.2.6(a)]*
2. The permittee shall maintain the water spray system in good operating condition, as verified by a daily inspection when operating the equipment. The permittee shall investigate and correct any problems with the water spray system before resuming operations. *[AQR 12.5.2.6(a)]*
3. The permittee shall take appropriate measures to control fugitive dust (e.g., wet, chemical, or organic suppression, or enclosures) at all mining and 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(a)]*
4. The permittee shall maintain a minimum of 10% moisture in materials less than 0.25 inches in diameter in all processing points associated with EUs: A09a, A09b, A11a, A12, A22, A24, and A24b. *[AQR 12.5.2.6(a)]*

Sand Dryer

5. The permittee shall combust only coal with a sulfur content equal to or less than 0.8% sulfur by weight or propane in the coal-fired sand dryer (EU: A32). *[NSR ATC Modification: 7, Revision 1, Condition IV-C-6 (04/27/2009)]*

Gasoline Dispensing

6. The permittee shall implement all applicable requirements on gasoline dispensing equipment. *[40 CFR Part 63, Subpart CCCCCC & AQR 12.1.4.1(f)]*
7. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Preventative measures to be taken include, but are not limited to, the following: *[40 CFR Parts 63.11116 & 63.11117]*
 - a. Minimize gasoline spills;
 - b. Clean up spills as expeditiously as practicable;
 - c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and
 - d. Provide records documenting gasoline throughput within 24 hours of a request from the Control Officer.

Diesel Engine

8. The permittee shall equip the Deutz water pump (EU: D05) with direct injection. *[AQR 12.5.2.6(a)]*
9. 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 percent by volume in the water pump (EU: D05). *[40 CFR 60.4207(b), 40 CFR 63.6604(b)]*
10. The permittee shall operate and maintain the diesel water pump in accordance with the manufacturer's operations and maintenance manual. *[40 CFR Part 60.4211]*

Haul Roads/Stockpiles/Disturbed Surfaces

11. The permittee shall sweep and/or rinse as necessary all paved roads accessing or located on the site to remove all observable deposits. *[AQR 12.5.2.6(a)]*
12. The permittee shall control fugitive dust emissions from unpaved roads located on the site by paving, applying a dust palliative, or watering as necessary or by an alternative method preapproved by the Control Officer so as to exhibit an average opacity greater than 20 percent. *[AQR 12.5.2.6(a) and 26.1]*
13. The permittee shall curtail operations (except the operation of water trucks) if dust control measures are ineffective at maintaining emissions at or below an average of 20% opacity when viewed in accordance with EPA Method 9. *[AQR 12.5.2.6(a) and 26.1]*

14. The permittee shall control fugitive dust emissions from any accessible disturbed open area or disturbed vacant lot that is owned or operated by the permittee, with the exception of areas undergoing active mining activities, by paving, applying gravel, applying a dust palliative, or applying water to form a crust. *[AQR 12.5.2.6(a)]*
15. The permittee shall ensure that all loaded trucks, regardless of ownership, are properly covered to prevent visible emissions. *[AQR 12.5.2.6(a)]*

Blasting

16. The permittee shall use the following control technologies during blasting events: *[NSR ATC Modification: 7, Revision 1, Condition IV-C-12 (04/27/2009) & AQR 12.5.2.6(a), AQR 40.1, AQR 41.1]*
 - a. The permittee shall pre-water surface soils and maintain them in a stabilized condition where drills, support equipment, and vehicles will operate, as safety and operational conditions allow.
 - b. The permittee shall have a water source available and utilize it during all drilling and blasting operations to minimize emissions, as safety and operational conditions allow.
 - c. The permittee shall not perform blasting when the National Weather Service (NWS) forecasts wind gusts above 25 mph. Prior to setting explosives charges in holes, the permittee shall document current and predicted weather conditions as provided by the NWS.
 - d. If the current forecast is for wind gusts of 25 mph or greater, or the NWS is forecasting winds of 25 mph or greater within the next 24 hours, blasting shall be prohibited.
 - e. Blasting shall not occur within 1,500 feet of a residential area, occupied building, or major roadway when the wind direction is toward such areas.
 - f. The permittee shall conduct blasting in a manner designed to facilitate a continuous process, with the blast fired as soon as possible after loading is complete.
 - g. The permittee shall water the disturbed soils or blast material to stabilize the area immediately following the blast and all-clear signal, as safety and operational conditions allow.

Other

17. The permittee shall not cause, suffer, or allow any source to discharge air contaminants (or other materials) in quantities that will cause a nuisance, including excessive odors. *[AQR 40 & AQR 43]*
18. The Permittee shall not cause or allow fugitive dust from mining activities to become airborne without taking reasonable precautions. *[AQR 12.5.2.6(a)]*

19. The Permittee shall take reasonable precautions, as identified in AQR 41.1.1, to abate fugitive dust from becoming airborne which would create a visible plume of 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(a)]*
20. The permittee shall not cause or permit the handling, transporting, or storage of any material in a manner that allows or may allow controllable PM to become airborne. *[AQR 41.1.2]*

3.0 LIMITATIONS AND STANDARDS

3.1 OPERATIONAL LIMITS

Processing

1. The permittee shall limit the amount of material mined to 2,400,000 tons per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-2 (04/27/2009) & AQR 12.5.2.6(a)]*

Sand Dryer

2. The permittee shall limit the coal feed rate for the coal-fired sand dryer (EU: A32) to 2.04 tons per hour based on any consecutive 24-hour averaging period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-3 (04/27/2009), AQR 12.5.2.6(a)]*
3. The permittee shall limit the coal feed rate for the coal-fired sand dryer (EU: A32) to 12,708 tons per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-3 (04/27/2009), AQR 12.5.2.6(a)]*
4. The permittee shall limit the amount of product through the coal-fired sand dryer (EU: A32) to 1,200,000 tons per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-4 (04/27/2009), AQR 12.5.2.6(a)]*
5. The permittee shall limit the amount of propane fuel for the coal-fired sand dryer (EU: A32) to 500,000 gallons per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-5 (04/27/2009), AQR 12.5.2.6(a)]*

Gasoline Dispensing

6. The permittee shall limit the throughput (aggregate of all gasoline products) to less than 20,000 gallons per year (EU: E01). *[40 CFR Part 63.11111(e) and Title V Minor Revision Application (00138_20140430_AMR)]*

Haul Roads

7. The permittee shall limit the total vehicle miles traveled (VMT) from all the haul roads (EU: C01) to 122,206 miles per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-6 (04/27/2009), AQR 12.5.2.6(a)]*

Stockpiles

8. The permittee shall limit the total stockpile area to 15.80 acres at any given time.
9. The permittee shall limit the coal stockpile to 0.80 acres at any given time.

Drilling/Blasting

10. The permittee shall limit the total number of holes drilled (EU: C03) to 4,000 per any consecutive 12-month period *[Part 70 Operating Permit Renewal application received 09/18/2020 & AQR 12.5.2.6(a)]*

11. The permittee shall limit the total number of blasts (EU: C02) to 50 per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-8 (04/27/2009)]*
12. The permittee shall limit the total blasting area (EU: C02) to 162,000 square feet per blast. *[Part 70 Operating Permit Renewal application received 09/18/2020 & AQR 12.5.2.6(a)]*
13. The permittee shall limit the consumption of ammonium nitrate-fuel oil (ANFO) (EU: C02) explosive for all blasting activities to 500 tons per any consecutive 12-month period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-8 (04/27/2009)]*

3.2 EMISSION LIMITS

1. The permittee shall not allow the actual total emissions from each emission unit to exceed the PTE listed in Table 3-1 for any consecutive 12 month period. *[AQR 12.5.2.6]*

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

EU	Condition ¹	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAPs	H ₂ S	Pb
A01a	2,400,000 tons/year	1.40	0.21	0	0	0	0	0	0	0
A03a	2,400,000 tons/year	2.47	0.48	0	0	0	0	0	0	0
A05a	2,400,000 tons/year	0.06	0.02	0	0	0	0	0	0	0
A06a	2,400,000 tons/year	1.42	0.16	0	0	0	0	0	0	0
A08a	2,400,000 tons/year	0.06	0.02	0	0	0	0	0	0	0
A09a	2,400,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A09b	2,400,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A11a	2,400,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A12	2,400,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A22	1,200,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A24	1,200,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A24b	1,200,000 tons/year	0.00	0.00	0	0	0	0	0	0	0
A29	1,200,000 tons/year	1.98	0.56	0	0	0	0	0	0	0
A32	12,708 tons of coal	37.67	37.67	231.12	3.98	22.89	0.83	0.08	0	0
	500,000 gallons propane									
A32	1,200,000 tons/year	0.80	0.32	0	0	0	0	0	0	0
A33b	24,000 tons/year	0.01	0.01	0	0	0	0	0	0	0
A34	1,200,000 tons/year	0.07	0.07	0	0	0	0	0	0	0
A36	1,200,000 tons/year	0.51	0.51	0	0	0	0	0	0	0
A36a	1,152,000 tons/year	0.18	0.18	0	0	0	0	0	0	0
A42	62,400 tons/year	0.09	0.03	0	0	0	0	0	0	0
A123	100,000 tons/year	0.18	0.06	0	0	0	0	0	0	0
A39	1,152,000 tons/year	Included in A36a		0	0	0	0	0	0	0
A40	1,152,000 tons/year	0.06	0.06	0	0	0	0	0	0	0
A40a	100,000 tons/year	0.06	0.02	0	0	0	0	0	0	0
A112a	100,000 tons/year	0.01	0.01	0	0	0	0	0	0	0
A124	1,152,000 tons/year	0.06	0.06	0	0	0	0	0	0	0
A125	1,152,000 tons/year	0.06	0.06	0	0	0	0	0	0	0
A126	1,152,000 tons/year	0.06	0.06	0	0	0	0	0	0	0

EU	Condition ¹	PM ₁₀	PM _{2.5}	NO _x	CO	SO ₂	VOC	HAPs	H ₂ S	Pb
A127	60,000 tons/year	0.06	0.02	0	0	0	0	0	0	0
A04a, A10a, A28, A112, A50	15.0 acres	9.58	1.37	0	0	0	0	0	0	0
B01	0.8 acre	0.24	0.04	0	0	0	0	0	0	0
C01	122,206 VMT/year	46.25	6.97	0	0	0	0	0	0	0
C02	50 blasts per 162,000 ft ² /blast	11.87	0.68	0	0	0	0	0	0	0
C02	500 ton/year (ANFO)	0	0	1.98	10.24	0	0	0	0	0
C03	4000 holes/year	1.36	0.08	0	0	0	0	0	0	0
D05	8,760 hours/year	0.17	0.17	2.26	2.79	0.01	0.86	0.01	0	0
E01	20,000 gallons	0	0	0	0	0	0.13	0.01	0	0

¹The quantities in this column are not intended as enforceable permit limits unless stated otherwise in this permit.

- The allowable hourly emissions shall not exceed the calculated PTE for the sand dryer (EU: A32) in Tables 3-2 and 3-3. [NSR ATC Modification: 7, Revision 1 (04/27/2009) & AQR 12.5.2.6]

Table 3-2: Coal-fired Sand Dryer Emission Rates

PM Component	PM _{2.5} /PM ₁₀ (lb/hr) ¹
Filterable	10.30
Condensable	1.80
Total	12.10

¹Total PM_{2.5} emissions are estimated to be equal to total PM₁₀ emissions.

Table 3-3: Coal-fired Sand Dryer Emission Rates

Fuel	SO ₂ (lb/hr)
Coal	7.34
Propane	0.01
Total	7.35

- The permittee shall not allow particulate matter emissions from the baghouse stack vented from the coal-fired sand dryer (EU: A32) in excess of 0.025 grains per dry standard cubic foot (0.025 gr/dscf) of exhaust gas. [NSR ATC Modification: 7, Revision 1, Condition IV-A-4 (04/27/2009) and 40 CFR Part 60, Subpart UUU]
- The permittee shall not discharge into the atmosphere any air contaminant from the baghouse stack (BH01) vented from the coal-fired sand dryer caustic or lime scrubber stack (EU: A32), and from any emission unit associated with EU: A32 (EUs: A33b, A34, and A36a process that vented to BH01), that exhibits greater than 10% opacity based on a 6-minute average in accordance with the procedures specified in EPA Method 9. [40 CFR Part 60.732(b) & 40 CFR Part 60.11]

5. The permittee shall not discharge into the atmosphere, from any emission unit, any air contaminant in excess of an average of 20% opacity for more than six consecutive minutes.
[AQR 26.1]
6. The permittee shall not exhibit visible emissions from units specified in this permit with moisture greater than 10% (or wet process) (EUs: A09a, A09b, A11a, A12, A22, A24, and A24b).

4.0 COMPLIANCE DEMONSTRATION REQUIREMENTS

4.1 MONITORING

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

1. 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. [AQR 12.5.2.6(d)]
2. The permittee shall conduct daily emissions checks for visible emissions on each emission unit and PM control device (e.g., baghouse) while it is in operation. [AQR 12.5.2.6(d)]
3. 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. [AQR 12.5.2.6(d)]
4. If a plume appears to exceed the opacity standard, the permittee shall do one of the following: [AQR 12.5.2.6(d)]
 - 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.
5. Any scenario of visible emissions noncompliance can and may lead to enforcement action. *[AQR 12.5.2.6(d)]*
 6. Visible emissions checks do not require a certified observer unless the visible emissions appear to exceed the allowable opacity limit and to last more than 30 seconds, but an EPA Method 9 observation establishes that the emissions do not in fact exceed the standard. *[AQR 12.5.2.6(d)]*
 7. 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: *[AQR 12.5.2.6(d)]*
 - a. 40 CFR Part 60, Appendix A-4 (Method 9); or
 - b. The test method set forth in AQR 94.15.4, “Instantaneous Method.”

Processing

8. The permittee shall maintain the water spray system in good operating condition, as verified by an inspection each calendar day the water spray system is operated, and this system shall be used at all times during processing of the material when visible emissions are present. This shall include, but not be limited to, screening, transfer points, drop points, and stacker points, but exclude washed product processing. The permittee shall investigate and correct any problems before resuming operations. The Control Officer at any time may require additional water sprays at pertinent locations if an inspection by the Control Officer indicates that the six-minute opacity limit is being exceeded. *[AQR 12.5.2.6(d)]*
9. The permittee shall curtail operations at the mine pit screens if a daily inspection indicates there is a significant drop in water flow rate, a plugged nozzle, a leak in the piping system, or any other problem that affects the efficiency of the moisture addition and/or the source’s ability to meet opacity standards. The permittee shall investigate and correct the problem before resuming operations. *[AQR 12.5.2.6(d)]*
10. The permittee shall monitor the amount of material processed and calculate, on a monthly basis, the throughput in tons as a consecutive 12-month total. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-2 (04/27/2009)]*

Sand Dryer

11. The permittee shall monitor the coal feed rate for the coal-fired sand dryer (EU: A32) based on a consecutive 24-hour averaging period. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-3 (04/27/2009)]*

12. The permittee shall monitor the coal feed rate for the coal-fired sand dryer (EU: A32) and calculate, on a monthly basis, the throughput in tons as a consecutive 12-month total. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-3 (04/27/2009)]*
13. The permittee shall monitor the amount of product through the coal-fired sand dryer (EU: A32) and calculate, on a monthly basis, the throughput in tons as a consecutive 12-month total. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-4 (04/27/2009)]*
14. The permittee shall monitor the amount of propane fuel for the coal-fired sand dryer (EU: A32) in gallons and calculate it, on a monthly basis, as a consecutive 12-month total. *[NSR ATC Modification: 7, Revision 1, Condition IV-B-5 (04/27/2009)]*
15. The permittee shall provide documentation that the sulfur content of coal is equal to or less than 0.8%. *[AQR 12.5.2.6(a)]*

Gasoline Dispensing

16. The permittee shall monitor the throughput of gasoline (EU: E01) in gallons and calculate, on a monthly basis, the throughput using the last 365 days of gasoline throughput divided by 12. *[40 CFR Part 63.11111]*
17. The permittee shall monitor the fuel storage and dispensing system to determine if system components are in compliance with the control requirements of this permit. This monitoring shall consist of, but not be limited to: *[AQR 12.5.2.6(d)]*
 - a. Daily inspection for gasoline spills. The permittee shall record the times and dates the source became aware of a spill and when the spill was cleaned up; and
 - b. Inspection of covers on gasoline containers and fill-pipes after each delivery. The permittee shall record the date of fuel deliveries and corresponding inspections.
18. The permittee shall submit a notification that the source is subject to 40 CFR Part 63.11117 when its monthly throughput of gasoline increases to 10,000 gallons or more. *[40 CFR Part 63.11124(a)(1)]*

Diesel Engine

19. The permittee shall monitor the sulfur content, and cetane index or aromatic content of the fuel burned in the water pump (EU: D05) by retaining a copy of vendor fuel specifications. *[40 CFR 60.4207(b), 40 CFR 63.6604(b)]*

Haul Roads/Stockpiles

20. The permittee shall monitor the number of VMT on all on-site haul roads (EU: C01) by haul trucks entering and leaving, and calculate, on a monthly basis, the VMT as a consecutive 12-month total.
21. The permittee shall monitor the stockpile area.

Drilling/Blasting

22. The permittee shall monitor the number of holes drilled (EU: C03) and calculate, on a monthly basis, the holes drilled as a consecutive 12-month total.

23. The permittee shall monitor each area blasted (EU: C02) in square feet.
24. The permittee shall monitor the number of blasts (EU: C02) and calculate, on a monthly basis, the number of blasts as a consecutive 12-month total.
25. The permittee shall monitor the amount of ANFO (EU: C02) explosive and calculate, on a monthly basis, the usage in tons as a consecutive 12-month total.

Baghouses/Bin Vents

26. The permittee shall conduct monitoring of the pressure drop across each baghouse/bin vent cell indicated in Table 2-1 by collecting daily pressure drops readings. *[AQR 12.5.2.6(d)]*
27. The permittee shall conduct monitoring of the pressure drop across the baghouse indicated in Table 4-2 by collecting pressure drops every 5 minutes to be averaged every 8 hours while combusting coal. If monitoring equipment is inoperable, the permittee will record the pressure drop at least once daily when emission source is operating. *[AQR 12.5.2.6(d)]*
28. The permittee shall maintain a manual of standard operating procedures for baghouses/bin vents. The procedures for maintenance specified in the manual shall, at a minimum, include a preventative maintenance schedule and the types of bags or cartridges, consistent with the baghouse manufacturer's instructions for routine and long-term maintenance, and have it available for inspection. *[AQR 12.5.2.6(d)]*
29. The permittee shall conduct the following monthly external inspections of each baghouse while it is running to ensure that the equipment is maintained in good working order and operated according to manufacturer's specifications: *[AQR 12.5.2.6(d)]*
 - a. Verification of the pulse timing sequence;
 - b. Verification that the cleaning system does not appear unusual, and that fans are running and do not exhibit unusual sounds or vibrations; and
 - c. Verification that seams, connections, and housings are sealed and leak-free, including walls, hoppers, ducting, and piping.
 - d. 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, processing of material shall cease until repairs to the baghouse are completed. *[AQR 12.5.2.6(d)]*
30. The permittee shall visually inspect each baghouse interior at least annually to determine the internal mechanical integrity of the unit and spot any defects. Defective compartments shall be sealed off and repairs completed within five working days. If the malfunction renders the baghouse ineffective in controlling particulate emissions, processing of material shall cease until repairs to the baghouse are completed. *[AQR 12.5.2.6(d)]*
31. The permittee shall visually inspect the bin vent(s) at least monthly for air leaks. Defective components shall be repaired or replaced within 5 working days of the discovery of the malfunction. Should the defective components cause the bin vent(s) to be noncompliant in controlling particulate emissions, the processing of material shall cease until such repairs to the bin vent(s)/dust collector(s) are completed. *[AQR 12.5.2.6(d)]*

Scrubber

32. The permittee shall measure the pH and flow rate of the caustic or lime scrubber liquor a minimum of once every four hours while the coal-fired sand dryer is operating and combusting coal. *[AQR 12.5.2.6(d)]*
33. The permittee shall maintain a manual of standard operating procedures for the scrubber. The procedures for maintenance specified in the manual shall, at a minimum, include a preventative maintenance schedule to maintain the scrubber efficiency required in this permit, consistent with the scrubber manufacturer's instructions for routine and long-term maintenance, and have it available for inspection. *[AQR 12.5.2.6(d)]*

Compliance Assurance Monitoring (CAM)

34. The coal-fired sand dryer (EU: A32) is subject to the requirements of 40 CFR Part 64 for opacity, PM₁₀ and SO₂. The permittee shall follow the monitoring approaches listed in Tables 4-1, 4-2, and 4-3. *[40 CFR Part 64.3(c)]*
 - a. The permittee shall monitor the visible emissions of the exhaust from the sand dryer baghouse/scrubber subject to CAM in accordance with the monitoring requirements listed in Table 4-1 daily.
 - b. The permittee shall monitor the pressure differential in the sand dryer baghouse subject to CAM in accordance with the monitoring requirements listed in Table 4-2.
 - c. The permittee shall monitor the inlet flow rate and the outlet pH of the scrubber solution in the lime scrubber subject to CAM in accordance with the monitoring requirements listed in Table 4-3.
 - d. The owner or operator shall maintain a written QIP for the baghouse and the scrubber, 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)]*
 - i. Improved preventative maintenance practice;
 - ii. Process operation changes;
 - iii. Appropriate improvements to control methods;
 - iv. Other steps appropriate to correct control performance; and
 - v. More frequent or improved monitoring.
 - e. 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)]*
 - f. Following implementation of a QIP, if required, and upon any subsequent determination pursuant to 40 CFR Part 64.7(d)(2), the Administrator or other permitting authority may require that an owner or operator make reasonable changes to the QIP if it is found to have: *[40 CFR Part 64.8(d)]*
 - i. Failed to address the cause of the control device performance problems; or

- ii. 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.
- g. 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)]*

Table 4-1: Monitoring Approach for Baghouse - Opacity

CAM Element	Indicator
Indicator	Visible emission for opacity.
Measurement Approach	Visible emission (VE) checks are Method 22 conducted on a daily basis when process equipment is operating and combusting coal
Indicator Range	The presence of visible emissions monitored when combusting coal. If the presence of visible emissions are observed, a Method 9 shall be conducted to demonstrate compliance at 7% opacity when combusting coal. Excursions trigger an investigation, corrective actions, and a reporting requirement.
Excursion	Defined as opacity outside the specified range of 7%.
QIP Threshold	7 excursions in a six-month period when combusting coal.
Performance Criteria	
Data Representation	Observations are performed at the caustic or lime scrubber exhaust downstream of the baghouse while the baghouse is operating.
Verification of Operational Status	N/A
Quality Assurance and Control Practices	VE checks do not have to be conducted by a certified Method 9 observer.
	Method 22 observers need to have the knowledge of observing emissions and the process when combusting coal. Method 9 must be conducted by a certified observer.
Monitoring Frequency	VE checks and/or Method 9 are conducted daily while combusting coal.
Data Collection Procedures	VE checks and/or Method 9 are documented by the observer and recorded daily.
Averaging Period	VE checks are 6 minutes
	Method 9 is one 6-minute average

Table 4-2: Monitoring Approach for Baghouse – PM₁₀

CAM Element	Indicator
Indicator	Pressure drop across baghouse. ¹
Measurement Approach	Pressure drop is monitored with a Magnehelic differential pressure gauge (or equivalent).
Indicator Range	Baghouse pressure drop will be monitored for compliance and stay between 3.0–8.0 inches H ₂ O when the dryer is operating when combusting coal. Excursions trigger an investigation, corrective actions, and a reporting requirement.

CAM Element	Indicator
Excursion	Defined as a pressure drop outside the specified range of 3.0–8.0 H ₂ O when combusting coal.
QIP Threshold	20 excursions in a six-month period when combusting coal.
Performance Criteria	
Data Representation	Pressure gauge shall be installed, calibrated, and operated per the manufacturer's recommendations.
Verification of Operational Status	N/A
Quality Assurance and Control Practices	Differential pressure gauge calibration shall be checked annually.
Monitoring Frequency	Pressure drop across baghouse is measured with a calibrated device.
Data Collection Procedures	Pressure drop is collected every five minutes when operating (or one reading per day if monitoring equipment is inoperable)
Averaging Period	Values are recorded every 5 minutes, then averaged every 8 hours when combusting coal.

¹ This indicator range for CAM was verified using the February 2015 performance test results, which demonstrated compliance with the PM₁₀ emissions to be below the permitted required limitations and in which the pressure drop readings ranged between 5.0–6.0 in H₂O and operating data.

Table 4-3: Monitoring Approach for Scrubber – SO₂

CAM Element	Indicator 1	Indicator 2
Indicator	Caustic or lime scrubber liquor inlet flow rate. ¹	Caustic or lime scrubber liquor outlet pH. ²
Measurement Approach	The liquid inlet flow rate is monitored with an inline digital flow meter.	The pH probes are installed at the caustic or lime scrubber outlet and have a minimum accuracy of ±0.1 pH.
Indicator Range	A liquid inlet flow rate greater than or equal to 360 gpm while combusting coal. ¹ Excursions trigger an investigation, corrective actions, and a reporting requirement.	A caustic or lime scrubber pH greater than or equal to a value of 7.5 when combusting coal. ² Excursions trigger an investigation, corrective actions, and a reporting requirement.
Excursion	Defined as a liquid inlet flow rate below 360 gpm when combusting coal.	Defined as a caustic or lime scrubber pH of less than 7.5 when combusting coal.
QIP Threshold	18 excursions in a six-month period when combusting coal.	18 excursions in a six-month period when combusting coal.
Performance Criteria		
Data Representation	Flow meter is installed at the caustic or lime scrubber liquid inlet and has a minimum accuracy of ±0.5%.	The pH probes are installed at the caustic or lime scrubber outlet and have a minimum accuracy of ±0.1% pH.
Verification of Operational Status	N/A	N/A
Quality Assurance and Control Practices	Flow meter calibration shall be checked monthly (zero check).	Calibration of each electrode shall be checked monthly.

CAM Element	Indicator 1	Indicator 2
Monitoring Frequency	Caustic or lime scrubber pH and flow of caustic or lime scrubber liquor are monitored once every 8 hours when combusting coal.	
Data Collection Procedures	Caustic or lime scrubber pH and flow of caustic or lime scrubber liquor are collected and recorded once every 8 hours when combusting coal.	
Averaging Period	An 8 hour average of all instantaneous values collected when combusting coal.	

¹This range for CAM was verified using the July 2014 performance test results, which demonstrated compliance with the SO₂ emissions to be below the permitted required limitations and in which the flow rates readings ranged from 490-495 gpm.

²This range for CAM was verified using the July 2014 performance test results, which demonstrated compliance with the SO₂ emissions to be below the permitted required limitations and in which the pH readings averaged 8.5.

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. All performance testing is subject to 40 CFR Part 60.8 and DAQ's *Guidelines for Source Testing (9/19/19)*. Performance testing shall be the instrument for determining subsequent compliance demonstration with the particulate emission standards listed in Table 4-4; the permittee shall conduct performance tests on the emission units listed in accordance with the reference methods listed in 40 CFR Part 60, Appendix A. *[AQR 12.5.2.6(d)]*
6. For testing purposes, VEE observations shall be conducted according to EPA Test Method 9, in accordance with 40 CFR Part 60.11(b). *[AQR 12.5.2.6(d)]*
7. Performance testing shall be the initial method for determining compliance with the PM₁₀ and SO₂ emission limitations on the coal-fired sand dryer (EU: A32) set forth in this permit. Initial performance testing requirements for the main baghouse and caustic or lime scrubber exhaust have been met by the source. *[AQR 12.5.2.6(d)]*
8. Regardless of the date of issuance of this permit, the permittee shall conduct performance testing using the test methods and frequency delineated in Table 4-4 no later than 90 days after the anniversary date of the last successful performance test. *[AQR 12.5.2.6(d)]*

9. The permittee shall perform subsequent performance tests annually if the previous performance test results failed on any of the parameters indicated in Table 4-4. [AQR 12.5.2.6(d)]
10. After three consecutive successful performance test results with all the parameters indicated in Table 4-4, the permittee may request in writing to return to every three year testing frequency. [AQR 12.5.2.6(d)]
11. During any performance test conducted, the permittee is required to verify the flow rate and pH when operating coal, as identified in Table 4-4. [AQR 12.5.2.6(d)]
12. The performance testing indicated in Table 4-4 shall be conducted at a minimum coal feed rate of 1.84 tons per hour and a wet sand feed rate capable of sustaining the minimum coal feed rate (unless the Control Officer approves an alternative coal feed rate in writing). [NSR ATC Modification: 7, Revision 1, Conditions IV-E-4-6 (04/27/2009) & 40 CFR Part 60, Subpart UUU]

Table 4-4: Performance Testing Standards and Frequency

EU	Description	Regulation	Compliance Standard	Performance Test	Frequency
A32	Coal-fired Sand Dryer Main Baghouse	NSPS UUU	7.34 lb/hour SO ₂ @ 1.84 TPH minimum feed rate	Method 6, 6A, 6B or 6C	Every 3 years, if in compliance. Otherwise annually for 3 consecutive years
			10.30 lb/hour (0.025gr/dscf) filterable PM ₁₀ @ 1.84 TPH minimum feed rate	Method 5 or Method 17	
			1.80 lb/hour condensable PM ₁₀ @ 1.84 TPH minimum feed rate	Method 202	
A33b, A34, A36a		10% opacity	Method 9		
A32	Coal-fired Sand Dryer Scrubber	CAM Plan	360 gpm/7.5 pH ¹	Verification	

¹These values are not a compliance standard. Only need to verify during the performance test.

13. The Control Officer will consider approving a request for alternative performance test methods listed in Table 4.4 if the permittee proposes it in writing in the performance test protocols. [AQR 12.5.2.8(a)]
14. The permittee shall submit a report describing the results of the performance test to the Control Officer within 60 days of the end of the performance test. [AQR 12.5.2.8(a)]
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 10.1]
16. The Control Officer may require additional performance testing when operating conditions appear to be inadequate to demonstrate compliance with the emissions and/or limitations in this permit. [AQR 4.5]

4.3 RECORDKEEPING

1. All records, logs, etc. shall be made available to the Control Officer during regular business hours. *[AQR12.5.2.6(d) & AQR 12.5.2.8]*
2. 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. *[AQR12.5.2.6(d) & AQR 12.5.2.8]*
3. Records and data required by this Operating Permit to be maintained by permittee may be audited at any time by a third party selected by the Control Officer. *[AQR 4.1]*
4. The permittee shall create and maintain the following records, at a minimum, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation. This section is for records that do not need to be reported semiannually: *[AQR 12.5.2.6(d) & AQR 12.5.2.8]*
 - a. Manufacturer's O&M manual or operational plan for each control device;
 - b. Log of control device inspections, maintenance, and repair;
 - c. Log of pressure drop(s) across baghouse (BH01) for each eight-hour average the coal-fired sand dryer operates when combusting coal when the monitoring system is operable;
 - d. Log of daily pressure drop(s) across each baghouse/bin vent listed in Table 2-1 when the specified corresponding emission units are operating;
 - e. Log of daily pressure drop(s) across baghouse (BH01) when the monitoring system was inoperable;
 - f. pH readings of the caustic or lime scrubber liquor for each eight-hour average the coal-fired sand dryer operates when combusting coal;
 - g. Flow rate readings of the caustic or lime scrubber liquor for each eight-hour average the coal-fired sand dryer operates when combusting coal;
 - h. Vender analysis/coal manifest of the sulfur content of the coal to be combusted in the coal-fired dryer as provided by the supplier;
 - i. Sulfur content, and cetane index or aromatic content of diesel fuel used to power the water pump (EU: D05) as certified by the supplier;
 - j. Results of daily visible emission observations of operations, including baghouses;
 - k. Hourly coal consumption;
 - l. Daily consumption of material mined;
 - m. Weekly consumption of propane in gallons;
 - n. Hourly silica sand through the dryer;

- o. Gasoline dispensing equipment inspections, including findings and corrective actions;
 - p. Maintenance on gasoline dispensing equipment, including a general description of location and parts;
 - q. Date and time gasoline dispensing equipment was taken out of service;
 - r. Date of repair or replacement of gasoline dispensing equipment/parts;
 - s. Log of dust control measures applied to paved haul roads, unpaved haul roads, and storage piles;
 - t. Length of haul roads;
 - u. Log of blasting events, current and predicted weather conditions prior to setting explosives charges in holes (as provided by the NWS), and other records as required by Section 2.2;
 - v. Daily usage of ANFO blasted, when blasting occurs;
 - w. Daily number of detonated blasts, when blasting occurs;
 - x. Logs of area blasted per each blasting event, in square feet, on the days blasting occurs;
 - y. Specification sheets for emission units subject to manufacturer recommendations;
 - z. Results of performance testing; and
 - aa. Records of location changes for nonroad engines, if applicable.
5. The permittee shall create and maintain the following records, at a minimum, all of which must be producible on-site to the Control Officer's authorized representative upon request and without prior notice during the permittee's hours of operation. This section is for records that shall be reported semiannually, as required by this permit or as required by this permit. *[AQR12.5.2.6(d) & AQR 12.5.2.8]*

Processing

- a. Monthly, consecutive 12-month total of material mined (reported semiannually);
- b. Monthly, consecutive 12-month total of coal (reported semiannually);
- c. Monthly, consecutive 12-month total of silica sand through the dryer (reported semiannually);
- d. Monthly, consecutive 12-month total of propane in gallons (reported semiannually);

Gasoline Dispensing

- e. Monthly, consecutive 12-month total throughput of the gasoline storage tank (reported semiannually);

Haul Roads/Stockpiles

- f. Monthly, consecutive 12-month total VMT for haul roads (EU: C01) (reported semiannually);
- g. Total area occupied by stockpiles (EUs: A04a, A10a, A28, A50, A112, and B01) (reported semiannually);

Blasting

- h. Monthly, consecutive 12-month total number of holes drilled (EU: C03) (reported semiannually);
- i. Monthly, consecutive 12-month total number of detonated blasts (EU: C02) (reported semiannually);
- j. Monthly, consecutive 12-month total of usage of ANFO (in tons) (EU: C02) (reported semiannually);

CAM

- k. Excursions, as defined in Tables 4-1 and 4-2 (reported semiannually);
- l. If required, QIP (reported semiannually);

Deviations

- m. Deviations from permit requirements that result in excess emissions (reported as required in Section 4.4 of this OP); and
 - n. Deviations from permit requirements that do not result in excess emissions (reported semiannually).
6. 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 action taken (if required). [AQR 12.5.2.6(d)]
7. The Control Officer reserves the right to require additional requirements concerning records and record keeping for this source. [AQR 12.5.2.6(d)]

4.4 REPORTING AND NOTIFICATION

- 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 the U.S. Environmental Protection Agency (EPA) and to the Control Officer. *[AQR 12.5.2.8(e)(4)]*
 7. Any application form, report, or compliance certification submitted to the Control Officer pursuant to the permit or the AQRs, shall contain a certification by a Responsible Official, with an original signature, of truth, accuracy, and completeness. This certification, and any

other required under AQR 12.5, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *[AQR 12.5.2.6(l)]*

8. The permittee shall furnish to the Control Officer, in writing and within a reasonable time, any information that the Control Officer may request to determine whether cause exists for revising, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Control Officer copies of records that the permit requires keeping. The permittee may furnish records deemed confidential directly to the Administrator, along with a claim of confidentiality. *[AQR 12.5.2.6(g)(5)]*
9. At the Control Officer's request, the permittee shall provide any information or analyses that will disclose the nature, extent, quantity, or degree of air contaminants that are or may be discharged by the source, and the type or nature of control equipment in use. The Control Officer may require such disclosures be certified by a professional engineer registered in the state. In addition to this report, the Control Officer may designate an authorized agent to make an independent study and report on the nature, extent, quantity, or degree of any air contaminants that are or may be discharged from the source. An agent so designated may examine any article, machine, equipment, or other contrivance necessary to make the inspection and report. *[AQR 4.1]*
10. The permittee shall submit annual emissions inventory reports based on the following: *[AQR 18.6.1 and AQR 12.5.2.4]*
 - a. The annual emissions inventory must be submitted to DAQ by March 31 of each calendar year (if March 31 falls on a Saturday or Sunday, or on a Nevada 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 (NOX) 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 NOX and VOC emissions from all activities, including emission units, insignificant activities and exempt activities. Emissions statements are separate from, and additional to, the calculated annual emissions reported each year for all regulated air pollutants (aka Emissions Inventory). *[AQR 12.9.1]*
12. All report submissions shall be addressed to the attention of the Control Officer. *[AQR 12.5.2.8(e)(4), AQR 21.4, and AQR 22.4]*

13. All reports shall contain the following: *[AQR12.5.2.6(d)]*
 - a. A certification statement on the first page, i.e., “I certify that, based on information and beliefs formed after reasonable inquiry, the statements contained in this document are true, accurate and complete.” (A sample form is available from DAQ); and
 - b. A certification signature from a responsible official of the company and the date certification.

14. The permittee shall submit semiannual reports to the Control Officer in accordance with the following requirements: *[AQR 12.5.2.6(d)]*
 - a. The report shall include each record listed in Section 4.3.5 of this OP for semiannual reporting purposes.
 - b. The report shall include summaries of any permit deviations, their probable cause, and any corrective or preventative actions taken.
 - c. The report shall be received by DAQ within 30 calendar days of the end 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 4-5. *[AQR 12.5.2.6(d)]*

Table 4-5: 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 when the permittee learns of the event
Report of Malfunctions, Startup, Shutdowns, or Deviations with Excess Emission	As required	Within 72 hours of the notification
Deviation Report without Excess Emissions	As required	Along with semiannual reports ¹
Excess Emissions that Pose a Potential Imminent and Substantial Danger	As required	Within 12 hours of when the permittee learns of the event
Performance Testing Protocol	As required	No less than 45 and no more than 90 days before the anticipated test date 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 Nevada holiday, the submittal is due on the next regularly scheduled business day.

²Required only for stationary sources that emit 25 tons or more of NO_x and/or 25 tons or more of VOCs during a calendar year.

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

4.5 MITIGATION

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

5.0 PERMIT SHIELD

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

6.0 ACID RAIN REQUIREMENTS

The source is not subject to this regulation.

7.0 OTHER REQUIREMENTS

1. Any person who violates any provision of the AQRs, including, but not limited to, any application requirement; any permit condition; any fee or filing requirement; any duty to allow or carry out inspection, entry, or monitoring activities; or any requirements from DAQ is guilty of a civil offense and shall pay a civil penalty levied by the Air Pollution Control Hearing Board and/or the Hearing Officer of not more than \$10,000. Each day of violation constitutes a separate offense. *[AQR 9.1; NRS 445B.640]*
2. Any person aggrieved by an order issued pursuant to AQR 9.1 is entitled to review, as provided in Chapter 233B of the NRS. *[AQR 9.12]*
3. The permittee shall comply with the requirements of Title 40, Part 61 of the Code of Federal Regulations (40 CFR Part 61), Subpart M—the National Emission Standard for Asbestos—for all demolition and renovation projects. *[AQR 13.1(b)(8)]*
3. If this stationary source, as defined in 40 CFR Part 68.3, becomes subject to the accidental release prevention regulations in 40 CFR Part 68, then the permittee shall submit a risk management plan by the date specified in Part 68.10. The permittee shall certify compliance with the requirements of 40 CFR Part 68 as part of the annual compliance certification required by 40 CFR Part 70 or 71. *[AQR 12.5.2.6(d)]*
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 chlorofluorocarbon or hydrochlorofluorocarbon compound 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. If there is an inconsistency between standards or requirements, the most stringent standard or requirement shall apply. *[AQR 4]*

8.0 ADMINISTRATIVE REQUIREMENTS

8.1 GENERAL REQUIREMENTS

1. The permittee shall comply with all conditions of the Part 70 OP. Any permit noncompliance may constitute a violation of the Clark County Air Quality Regulations (AQRs), Nevada law, and the Clean Air Act, and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a renewal application. *[AQR 12.5.2.6(g)(1)]*
2. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall be unaffected and remain valid. *[AQR 12.5.2.6(f)]*
3. The permittee shall pay all permit fees pursuant to AQR 18. *[AQR 12.5.2.6(h)]*
4. This permit does not convey property rights of any sort, or any exclusive privilege. *[AQR 12.5.2.6(g)(4)]*
5. The permittee agrees to allow inspection of the premises to which this permit relates by any authorized representative of the Control Officer at any time during the permittee's hours of operation without prior notice. The permittee shall not obstruct, hamper, or interfere with any such inspection. *[AQR 4.1; AQR 5.1.1; and AQR 12.5.2.8(b)]*
6. The permittee shall allow the Control Officer, upon presentation of credentials, to: *[AQR 4.1 and AQR 12.5.2.8(b)]*
 - a. Access and copy any records that must be kept under the conditions of the permit;
 - b. Inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit;
 - c. Sample or monitor substances or parameters for the purpose of assuring compliance with the permit or applicable requirements; and
 - d. Document alleged violations using such devices as cameras or video equipment.
7. Any permittee who fails to submit relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit the needed supplementary facts or corrected information. In addition, the permittee shall provide additional information as necessary to address any requirements that become applicable to the source after the date a complete application was filed but prior to release of a draft permit. A Responsible Official shall certify the additional information consistent with the requirements of AQR 12.5.2.4. *[AQR 12.5.2.2]*
8. Anyone issued a permit under AQR 12.5 shall post it in a location where it is clearly visible and accessible to facility employees and DAQ representatives. *[AQR 12.5.2.6(m)]*

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

8.2 MODIFICATION, REVISION, AND RENEWAL REQUIREMENTS

1. No person shall begin actual construction of a new Part 70 source, or modify or reconstruct an existing Part 70 source that falls within the preconstruction review applicability criteria, without first obtaining an Authority to Construct (ATC) from the Control Officer. *[AQR 12.4.1.1(a)]*
2. The permit may be revised, revoked, reopened and reissued, or terminated for cause by the Control Officer. The filing of a request by the permittee for a permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, does not stay any permit condition. *[AQR 12.5.2.6(g)(3)]*
3. The permit shall be reopened under any of the following circumstances and when all applicable requirements pursuant to AQR 12.5.2.15 are met: *[AQR 12.5.2.15(a)]*
 - a. New applicable requirements become applicable to a stationary source considered “major” (per the definition in AQR 12.2, AQR 12.3, or 40 CFR Part 70.3(a)(1)) with a remaining permit term of three or more years;
 - b. Additional requirements (including excess emissions requirements) become applicable to an affected source under the Acid Rain Program;
 - c. The Control Officer or U.S. Environmental Protection Agency (EPA) determines that the permit contains a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit; or
 - d. The EPA Administrator or the Control Officer determines that the permit must be revised or revoked to assure compliance with applicable requirements.
4. A permit, permit revision, or renewal may be approved only if all of the following conditions have been met: *[AQR 12.5.2.10(a)]*
 - a. The permittee has submitted to the Control Officer a complete application for a permit, permit revision, or permit renewal (except a complete application need not be received before a Part 70 general permit is issued pursuant to AQR 12.5.2.20); and
 - b. The conditions of the permit provide for compliance with all applicable requirements and the requirements of AQR 12.5.
5. The permittee shall not build, erect, install, or use any article, machine, equipment, or other contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of an applicable requirement. *[AQR 80.1 and 40 CFR Part 60.12]*
6. No permit revisions shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. *[AQR 12.5.2.6(i)]*

7. Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application has been submitted. *[AQR 12.5.2.11(b)]*
8. For purposes of permit renewal, a timely application is a complete application that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. If a source submits a timely application under this provision, it may continue operating under its current Part 70 OP until final action is taken on its application for a renewed Part 70 OP. *[AQR 12.5.2.1(a)(2)]*

9.0 ATTACHMENTS

9.1 APPLICABLE REGULATIONS

Requirements Specifically Identified as Applicable

1. Chapter 445B of the Nevada Revised Statutes.
2. Applicable AQRs, as 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 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 13.2(b)(106)	"Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Stationary Category: Gasoline Dispensing Facilities"
AQR 14.1(b)(1)	"Subpart A – General Provisions"
AQR 14.1(b)(74)	"Subpart UUU – Standards of Performance for 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 28	"Fuel Burning Equipment"
AQR 40	"Prohibitions of Nuisance Conditions"
AQR 41	"Fugitive Dust"
AQR 42	"Open Burning"
AQR 43	"Odors in the Ambient Air"
AQR 70	"Emergency Procedures"
AQR 80	"Circumvention"

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

4. Applicable 40 CFR sections, as listed in Table A-2.

Table 9-2: Applicable CFRs

Citation	Title
40 CFR Part 52.21	"Prevention of significant deterioration of air quality"
40 CFR Part 52.1470	"Approval and Promulgation of Implementation Plans, Subpart DD—Nevada"
40 CFR Part 60, Subpart A	"General Provisions"
40 CFR Part 60, Subpart UUU	"New Source Performance Standards for Mineral Processing Utilizing Calciners and Dryers"
40 CFR Part 60, Subpart IIII	"New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines"
40 CFR Part 63, Subpart A	"General Provisions"
40 CFR Part 63, Subpart ZZZZ	"National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines"
40 CFR Part 63, Subpart CCCCCC	"National Emission Standards for Hazardous Air Pollutants for Source Category - Gasoline Dispensing Facilities"
40 CFR Part 64	"Compliance Assurance Monitoring"
40 CFR Part 70	"State Operating Permit Programs"
40 CFR Part 82	"Protection of Stratospheric Ozone"