



FEDERAL OPERATING PERMIT

Permit No.: **900002**

Company: **Searles Valley Minerals, Inc.**

Facility: **Trona, Argus, and Westend**

Issue date: **March 14, 2017**

Expiration date: **March 14, 2022**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

14306 Park Avenue
Victorville, CA 92392-2310
760.245.1661 • Fax 760.245.2022
Email: engineering@MDAQMD.ca.gov

www.MDAQMD.ca.gov • @MDAQMD

Signed and issued by

BRAD POIRIEZ

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER



FEDERAL OPERATING PERMIT

Permit No.: **900002**

Company: **Searles Valley Minerals, Inc.**

Facility: **Trona, Argus, and Westend**

Issue date: **TBD**

Expiration date: **5 year Term**

**MOJAVE DESERT
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PERMIT REVISIONS

July 27 August 24, 20223, Title V Permit Renewal

Application received August 6 September 9, 2021 for renewal of SVM Title V Operating Permit. The District completed updates to the permit and intend to reissue permit pending comment. See District 's SOB for review and details pertaining to changes and updates to SVM FOP.

Changes by C. Anderson/S. Haggard

July 19, 2021, Minor Permit Modification described as follows;

SVM is proposing alteration of Boilers 25 and 26 combustion design by installing Low NO_x concentric firing systems, separated over fired air, and close-coupled over fired air systems. The updates to the combustion design is expected to lower NO_x emission rates with no change in emissions for any other Regulated Air Pollutant; and, will ensure that Boilers 25 and 26 will comply with the new CO and NO_x emission limits contained in District Rule 1157.1 – BARCT Requirements for Boilers and Process Heaters Outside the FONAs, by the compliance date of December 31, 2023. District Rule 1157.1 is a state-mandated rule that was adopted on September 23, 2019 to address the requirements of California Health and Safety Code Section 40920.6(c)(1) which requires the District to adopt an expedited schedule for the implementation of Best Available Retrofit Technology (BARCT) for any nonattainment area not later than December 31, 2023. Its purpose is to limit CO and NO_x emissions from industrial, institutional, and commercial Boilers, Steam Generators, and Process Heaters through the application of BARCT. SVM is also proposing the replacement of three USEPA Tier 1, portable, diesel engines (Permit Nos. B004554, B005124, and B009161) with cleaner emitting, USEPA Tier 4, portable diesel engines. These replacements are in response to a state-mandated requirement of the California Air Resource Board's Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (17 CCR 93116, amended November 30, 2018), referred to herein as "ATCM" to meet the timing of replacement requirements for fleets qualifying for credits per 17 CCR 93116.3(c)(8). Please refer to the Preliminary Determination/Statement of Basis evaluation dated 7/19/21 for full details.

Changes by C. Anderson

December 4, 2020, Significant Permit Modification described as follows;

SVM proposes to change potassium sulfate dust collector emission rates by accepting an emission limit currently considered best available control level from a lower vendor guaranteed level which did not account for condensable particulates. FOP operating conditions and equipment specifications affected are iterated in Part III.A. 54 thru 64. Further details are provided in the Districts SOB. Additionally, the SIP table was updated to current version.

Revision by C. Anderson

March 25, 2020, Administrative Permit Modification described as follows;

SVM (Argus Plant) submitted an application to amend the supporting equipment in Part III(B)(4) , District Permit B000538 for Soda ash production line No. 2. The equipment to be added is in wet service and has no PM10 emissions. The new addition to soda ash line No. 2 on one of the Bi Carb dryers will consist of an enhanced dewatering system including two centrifuges, feed

and discharge screws, pre-dryer belt, and other components.

July 1, 2019, Significant Permit Modification described as follows:

The MDAQMD received application for permit condition modification for Boiler 22, with Title V significant permit modification. A preliminary determination/SLFB for modification to Title V permit was prepared for this permit revision, dated July 1, 2019. A summary of the modification to Boiler 22 is as follows;

SVM Boiler 22 is a natural gas fired boiler that currently has historical permit conditions limiting Boiler 22 operation to a cold standby status. Additionally, current permit conditions connect Boiler 22 operation to the non-operation of the ACE boiler (the ACE boiler has been permanently shut down), as well as, to non-operation of SVM Boiler 25 and 26. Boiler 22 operating status is being changed from cold standby to prime operations. Updated Permit conditions are stipulated in Part III. A. 41.

The comment period on the July 1, 2019 proposed Significant Permit Modification (Boiler 22 modification) ended with no comments received. The proposed Title V updates are therefore finalized and included in this modification of SVM Title V Permit, effective September 17, 2019.

Changes by C. Anderson

April 9, 2018, Minor Permit Modification described as follows:

The Mojave Desert Air Quality Management District (MDAQMD or District) received an application on October 16, 2017 for review of a proposed revision to the recently permitted (not yet constructed) Potassium Sulfate (Supo) Process Facility. The Supo process will allow SVM to produce potassium sulfate, a crop nutrient. The proposed revision includes the following proposed modifications which reflect changes based on final plant engineering review:

- Reconfiguration of Supo material conveying system
- Updates to air pollution control device specifications
- Addition of one new air pollution control device

The Supo process updates are proposed for inclusion in SVM FOP as a minor modification. Operating conditions and equipment specifications affected are iterated in Part III.A. 54 thru 64. The proposed updates are addressed the Preliminary Determination/Decision for Modification to SVM FOP dated February 20, 2018. There were no comments received on the proposed changes, therefore the PDOC serves as the Districts Final DOC.

Additionally, minor formatting updates were made to improve program consistency.

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: Searles Valley Minerals Operations, Inc.
Facility Name: Searles Valley Minerals Operations, Inc.
Facility Location: 13200 Main Street
Trona, CA 93562
Mailing Address: P.O. Box 367
Trona, CA 93592-0367
Federal Operating Permit Number: 00900002
MDAQMD Company Number: 009
MDAQMD Facility Number: 00002
Responsible Official: Mr. Karl Cleary
Director of Engineering and Strategic Development
760-372-2488
Facility "Site" Contact(s): Mr. Mark Wood
Environmental and PSM Systems
760-382-2547
woodm@svminerals.com
Nature of Business: Sodium and Boron Minerals Processing
SIC/NAICS Code: 1474/Trona, Westend, & Argus: 212391; Utilities: 213112
Facility Coordinates 35.76058/-117.37721
~~Owner/Company Name: SEARLES VALLEY MINERALS OPERATIONS, INC.~~
~~Owner Mailing Address: SEARLES VALLEY MINERALS OPERATIONS, INC.~~
~~_____ P.O. Box 367~~
~~_____ Trona, CA 93592-0367~~
~~Facility Names: TRONA, ARGUS AND WESTEND (FACILITIES)~~
~~_____~~
~~Facility Location: 13200 Main Street~~
~~_____ Trona, CA 93562~~
~~Mailing Address: SEARLES VALLEY MINERALS OPERATIONS, INC.~~
~~_____ P.O. Box 367~~
~~_____ Trona, CA 93592-0367~~
~~MDAQMD Federal Operating Permit Number: 900002~~
~~MDAQMD Company Number: 0090~~

MDAQMD Facility Number: ~~_____~~ 00002

Responsible Official: ~~_____~~ Mr. Burnell H. Blanchard

Title: ~~_____~~ Vice President

Phone Number: ~~_____~~ 760-373-2306

Facility "Site" Contacts: ~~_____~~ Mr. Anoop SukumaranMark Wood

Title: ~~_____~~ Senior Environmental EngineerGeneral Supervisor

Environmental and PSM Systems

Phone Number: ~~_____~~ 760-382-24302547

Facility "Off Site" Contacts: ~~_____~~ none

Nature of Business: ~~_____~~ Sodium and Boron Minerals Processing Facility

SIC Code: ~~_____~~ 1474

NAICS: ~~_____~~ Trona, Westend, and Argus 212391

~~_____~~ Utilities Argus 213112

Facility Location: ~~_____~~ UTM 466E/3957N

~~_____~~ Lat/Lon: 35.76058/ -117.37721

B. DESCRIPTION OF FACILITY:

FOP number: 900002 for SVM OPERATIONS, INC. (SVM), TRONA, ARGUS, and WESTEND – Plants/Facilities. SVM is a Solution Mining and Chemicals Processing Facility located at 13200 Main Street, Trona, California 93562. The three plants are considered one contiguous facility under the federal Title V Operating Permit program. The Argus and Trona plants are adjacent to each other and share a portion of common boundary. These two plants are located in the southwest side of Trona, CA. The Westend plant is located approximately 6 kilometers south of the Argus and Trona plants on Trona Road.

The SVM facilities location has been designated non-attainment for the Federal particulate matter equal to or less than 10 microns (PM10) ambient air quality standard (NAAQS) and non-attainment for the State ozone (O3), (PM10) and hydrogen sulfide (H2S) ambient air quality standards (CAAQS). The area is attainment or unclassified for all other standards and averaging times. SVM is an Area toxic source of Hazardous Air Pollutants. Federal Operating Permit (FOP number: 90002) for SVM OPERATIONS, INC. (SVM), TRONA, ARGUS, and WESTEND – Plants/Facilities. SVM is a Solution Mining and Chemicals Processing Facility located at 13200 Main Street, Trona, California 93562.

SVM is subject to the Operating Permit requirements of Title V of the Federal Clean Air Act, Part 70 of Title 40 of the Code of Federal Regulations (CFR), and MDAQMD Regulation XII. SVM is defined as a Major Facility pursuant to District Rule 1201(S)(2) – FOP Definitions, as this facility has a Potential to Emit (PTE) oxides of sulfur (SOx), PM10, and ozone precursor-oxides of nitrogen (NOx) - greater than the “Major Facility” thresholds for a facility located within the District where it is designated as Federal Ozone Attainment or Unclassified.

CA. EQUIPMENT LISTDescription: TRONA PLANT:

<u>Equipment</u>	<u>PTO</u>	<u>Pollution Control Equipment</u>	<u>PTO</u>
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OPERATING PERMITS – TRONA

<u>To</u>	<u>Permit</u>	<u>Pollution</u>	<u>Permit</u>
<u>Operating Equipment</u>	<u>Control</u>	<u>Equipment</u>	<u>Operate</u>
Pyrobor Furnace/Calciner #2	B000448	ESP	C002487
Pyrobor Furnace/Calciner #3	B000449	ESP	C002487
Pyrobor Milling/Screening	B000471	Baghouse	C000513
Pyrobor Storage Silos	T003968	Baghouse	C000489

Pyrobor Bulk Loadout	B000467	Baghouse	C000509
Borax Dryer #1	B000452	Scrubber	C000546
Borax Dryer #2	B000453	Scrubber	C000546
Borax Screening	B000490	Baghouse	C000488
Borax Bulk Loadout	B000466	Baghouse	C000508
		Baghouse	C000518
Boric Acid Dryer	B000480	Scrubber	C000516
Boric Acid Dryer Conveyor Room		Baghouse	C001978
Boric Acid Transfer/Storage	B000480	Baghouse	C001761
		Baghouse	C001685
Boric Acid Loadout	B001760	Baghouse	C001761
Boric Acid Storage Silo	T002133	Baghouse	C001761
Carbon Regeneration	B001757	N/A	
LLX Basin	B001916	CRUD	C002465
P-20 Manufacturing	B001758	Scrubber	C001759
Boric Oxide Plant	B003343	Scrubber	C003344
Mobile Transloading Conveyor	B003430	N/A	
Mobile Transloading Conveyor	B004762	Baghouse	N/A
Consolidated Packaging Plant	B003655	Baghouse	C003656
Soda Ash Storage Area	T003427	Baghouse	C003428
Boiler #22	M000483	N/A	

Gasoline Dispensing Facility (Trona)	N002725	Vapor Recovery	
Gasoline Dispensing Facility (Lk Gar)	N002235	Vapor Recovery	
Waste Oil Tank (Lk Gar)	T002236	N/A	
Paint Spray Gun, 68185	P005350	N/A	
Paint Spray Gun, 68881	P005206	N/A	

<u>Equipment</u>	<u>PTOPermit No.</u>	<u>Pollution Control Equipment</u>	<u>PTOPermit No.</u>
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Diesel IC Engine, EmerStandbyICE	E003522	N/A	
Diesel Emergency Fire Water Pump (S2906)	E004553	N/A	
Diesel Compressor, Util (K0639)	B004554	N/A	
Diesel Compressor, Lake (K0640)	B007852	N/A	
Diesel Concrete Pump, (P6072)	B009161	N/A	
Salt Crushing and Loading	B008672	N/A	
Salt Crushing Equipment	B003955	N/A	
Diesel Emergency Water Pump (S3047)	E009159		
Gasoline Concrete Pump (P6103)	B009160		
Diesel Emergency Generator (K0652)	E009163		
Supo Dryer	B012530		Baghouse
_____C012532			

Supo Transfer and Storage Silos C012534	B012531	Baghouse, and C012950	Baghouse #1
Supo Bulk Loadout Facility C012537	B012533	Baghouse #2, Dust Collector, C012950 Baghouse #3, and C012536	Baghouse
		Baghouse, Spout Filter, and C012538 C012539	

BD. EQUIPMENT DESCRIPTION LIST: ARGUS PLANT:

<u>Equipment</u>	<u>PTO Permit No.</u>	<u>Pollution Control Equipment</u>	<u>PTO Permit</u>
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~~OPERATING PERMITS ARGUS~~

Operating Equipment	Permit To Operate	Pollution Control Equipment	Permit To Operate
Bicarbonate Crystallizer #1	B000534	N/A	
Bicarbonate Crystallizer #3	B000535	N/A	
Bleacher Feed Bin #1	B000537	Baghouse	C000533
Bleacher Feed Bin #2	B000538	Baghouse	C000539
Bleacher Feed Bin #3	B000547	Baghouse	C000548
Bleacher #1	B000537	ESP	C000544
Bleacher #2	B000538	ESP	C000544
Bleacher #3	B000547	ESP	C000544
Monohydrate Crystallizer #1	B000537	Scrubber	C000553
Monohydrate Crystallizer #2	B000538	Scrubber	C000556
Monohydrate Crystallizer #3	B000547	Scrubber	C000552
Monohydrate Dryer #1	B000537	Scrubber	C000527
Bucket Elevator		Baghouse	C003533
Monohydrate Dryer #2	B000538	Scrubber	C000545
Monohydrate Dryer #3	B000547	Scrubber	C000549

<u>Equipment</u>	<u>PTO</u>	<u>Pollution Control Equipment</u>	<u>PTO</u>
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Bucket Elevator		Baghouse	C003534
Screening Plant, common to lines 1, 2 and 3	B000537	Baghouse	C000532
Bicarbonate Dryer No. 1 (Fluidized Bed)	B003665	N/A	
Transfer #1 (Collecting Belt Tail Baghouse)		Baghouse	C003668
Transfer #2 (West Transfer Baghouse)		Baghouse	C003669
Transfer #3 (South Bin Belt Baghouse)		Baghouse	C003670
(Truck Loadout)		Baghouse	C003667
Bicarbonate Dryer No. 2 (Fluidized Bed)	B004540	N/A	
Transfer #1 (North Collecting Belt Baghouse)		Baghouse	C004542
Transfer #2 (#1 Belt Tail Baghouse)		Baghouse	C004543
Transfer #3 (#1 Belt Head Baghouse)		Baghouse	C004544
Monohydrate Dryer No. 1 (Fluidized Bed)	B003672	Baghouse	C003673
Transfer #1 (South Collecting Belt Baghouse)		Baghouse	C003675
Transfer #2 (West Transfer Belt Baghouse)		Baghouse	C003676
Transfer #3 (South Surge Bin Belt Baghouse)		Baghouse	C003677
MEA System	B000551	Demister	
A-Frame Storage	T000528	Baghouse	C000529
Soda Ash Truck Loadout/ Surge Bin	B000530	Baghouse	C000543
Soda Ash Railcar Loadout, East Blue	B000128	Baghouse	C000126
Soda Ash Railcar Loadout, East Gray	B000128	Baghouse	C002355
Soda Ash Railcar Loadout, West Blue	B000128	Baghouse	C000127
Soda Ash Railcar Loadout, West Gray	B000128	Baghouse	C002354
Boiler #25	B000555	ESP	C000557
		Scrubber	C000558
Boiler #26	B000554	ESP	C000559
		Scrubber	C000561
Cooling Tower	B001920	Drift Eliminator	
Coal Stockout System	B000519	Baghouse	C002124
Coal Emergency Stockout and Reclaim System	B000520	Water/Chem. Seal	
Coal Reclaim System	B000521	Baghouse	C002124
		Baghouse	C002125
Refined Coal Treatment System	B011272	Baghouse	C002125
Fly Ash Loadout and Disposal	B000541	Baghouse	C000540
Fly Ash Loadout			

<u>Equipment</u>	<u>PTO</u>	<u>Pollution Control Equipment</u>	<u>PTO</u>
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Gas Dispensing Facility	N002727	Vapor Recovery
Portable Sandblaster, Clemco	A000522	N/A
Portable Sandblaster, Kelco	A000523	N/A
Diesel Fire Pump (S4038)	E004550	N/A
Diesel Compressor, Paint (K0627)	B005124	N/A

CE. EQUIPMENT LIST DESCRIPTION: WESTEND PLANT:

<u>Equipment</u>	<u>PTO</u>	<u>Pollution Control Equipment</u>	<u>PTO</u>
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~~OPERATING PERMITS WESTEND~~

<u>Operating Equipment</u>	<u>Permit To Operate</u>	<u>Pollution Control Equipment</u>	<u>Permit to Operate</u>
Sulfate Dryer #1	B000221	Scrubber	C000240
Sulfate Dryer #2	B002253	Scrubber	C000354
Sulfate Production Screening	B000221	Baghouse	C004431
Borax Dryer	B000228	Scrubber	C000241
Borax Conveyors	B000228	Baghouse	C000353
Borax Production/Silos	B000228	Baghouse	C000348
Borax Bulk Loadout	B000228	(east) Baghouse	C000347
		(west) Baghouse	C000357
Sulfate Shipping Screening	B001764	Baghouse	C001765
Sulfate Railcar/Truck Loadout	B001764	Baghouse	C000341
Boiler #5	B009992	N/A	
Sulfate Cooling Tower #1	B005291	Drift Eliminator	
Sulfate Cooling Tower #2	B005188	Drift Eliminator	
Sulfate Cooling Tower #3	B005292	Drift Eliminator	
Sulfate Cooling Tower #4	B005212	Drift Eliminator	
Sulfate Cooling Tower #5	B005213	Drift Eliminator	
Sulfate Cooling Tower #6	B005211	Drift Eliminator	
Borax Cooling Tower	B001926	Drift Eliminator	
Gasoline Dispensing Facility	N002726	Vapor Recovery	
Mobile Transloading Conveyor	B005205	N/A	
Mobile Transloading Conveyor	B005224	N/A	
Mobile Transloading Conveyor	B003707	Baghouse	N/A
Paint Spray Gun, 66438	P004050	N/A	
Paint Spray Gun, 74674	P004051	N/A	
Waste Oil Tank	T009101	N/A	

FD. EQUIPMENT LIST DESCRIPTION: RAILROAD:

<u>Equipment</u>	<u>Permit To Operate</u>	<u>Pollution Control Equipment</u>	<u>Permit To Operate</u>
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~~OPERATING PERMITS — RAILROAD~~

~~Operating Equipment — Permit To Operate — Pollution Control Equipment — Permit to Operate~~

Gasoline Dispensing Facility	N002230	Vapor Recovery	
Sand Loadout/Storage	B003883	Baghouse	C003884
Waste Oil Tank, 5000 gal	T003953	N/A	
Waste Oil Tank, 1000 gal	T003952	N/A	

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS;
EMISSIONS
LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS;
COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:

1. A permit to construct is required to build, erect, install, alter or replace any equipment, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce or control the issuance of air contaminants.
[District Rule 201 - Permits to Construct]
2. A permit is required to operate this facility. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[District Rule 203 - Permit to Operate]
- ~~2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - Permit to Operate]~~
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[District Rule 204 - Permit Conditions]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[District Rule 204 - Permit Conditions]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the Air Pollution Control Officer (APCO) / District.
[District Rule 206 - Posting of Permit to Operate]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[District Rule 207 - Altering or Falsifying of Permit]
7. Permits are not transferable.
[District Rule 209 - Transfer and Voiding of Permit]

8. The Air Pollution Control Officer (APCO) may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217 - *Provision for Sampling ~~And~~ Testing Facilities*]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[~~SIP Pending~~ - Rule 219 - *Equipment Not Requiring a Written Permit*]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 - *Federal Operating Permit Requirement*]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[District Rule 301 - *Permit Fees*]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312 - *Fees for Federal Operating Permits*]
13. The owner/operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
 - (a) General Visible Emissions Limitation:
 - (i) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
 - (ii) Of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity.
 - (b) Abrasive Blasting Visible Emissions Limitation:
 - (i) For indoor operations using noncertified Abrasive Blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 20% opacity (or equivalent Ringelmann 1).
 - (ii) For outdoor operations using wet abrasive blasting, hydroblasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting materials, of such opacity as to obscure an observer's view to a degree equal to or greater than 40% opacity (or equivalent Ringelmann 2).
[District Rule 401 - *Visible Emissions*]
14. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers'

certification information.

(b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:

- (i) Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
- (ii) Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
- (iii) Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
- (iv) On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[District Rule 204 - Permit Conditions]

[District Rule 401 - Visible Emissions]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

1415. The owner/operator shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

[District Rule 402 - Nuisance]

~~Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel—sulfur compounds shall not exceed 80016 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel—sulfur content shall not exceed 0.015 percent by weight; Solid Fuels—having a sulfur content in excess of 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Solid fuel sulfur content shall be demonstrated by ASTM Method D4239-18e1 or as otherwise allowed by rule. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.~~

~~[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]~~

~~[Rule 431 - Sulfur Content of Fuels]~~

1516. Owner/Operator must adhere to the provisions of District Rule 403 - Fugitive Dust, including the following provisions:

- (a) A person shall not cause or allow the emissions of Fugitive Dust from any transport, handling, construction or storage activity so that the Visible Fugitive Dust remains visible in the atmosphere beyond the property line of the emission source, except during High Winds.
- (b) A person shall take every reasonable precaution to minimize Fugitive Dust emissions from wrecking, excavation, grading, clearing of land and solid waste disposal operations.
- (c) A person shall not cause or allow PM₁₀ to exceed 100 micrograms per cubic meter when determined as the difference between upwind and downwind samples collected on federal reference method samplers at the property line for a minimum of five hours, except during High Winds. Installation of samplers or monitors to determine compliance with this subsection shall be required at the APCO's discretion.
- (d) Permit conditions (a) and (c) shall not be applicable when the wind speed instantaneously exceeds 40 kilometers (25 miles) per hour, or when the average wind speed is greater than 24 kilometers (15 miles) per hour. The average wind speed determination shall be on a 15-minute average at the nearest official air-monitoring station or by wind instrument located at the site being checked
~~Emissions of fugitive dust from any transport, handling, construction, or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.~~

[District Rule 403 - *Fugitive Dust*]

~~1617.~~ Searles Valley Minerals or its successor shall comply with the SVM facility specific requirements in District Rule 403(C)(10).

~~[District Rule 403] Owner/Operator shall comply with the applicable requirements of Rule 403.1 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.1(G) has been approved. Construction/Demolition activities shall comply with a District approved Dust Control Plan. *District/State Only*~~

~~[SIP Pending: Rule 403.1 - *Fugitive Dust Control for the Searles Valley Planning Area*]~~

1787. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in District Rule 404, Table 404 (a).

- (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
- (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
- (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[District Rule 404 - *Particulate Matter Concentration*]

~~18198.~~ Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in District Rule 405, Table 405(a).

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[District Rule 405 - *Solid Particulate Matter, Weight*]

~~19209.~~ The owner/operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, any one or more of the following contaminants in any state or combination thereof, exceeding in concentration:

- (a) Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.
- (b) The following elements and compounds which would exist as a liquid or gas at standard conditions:

<u>Element or Compound</u>	<u>Limitations (PPM by volume)</u>
<u>Hydrogen Fluoride (HF)</u>	<u>400</u>
<u>Hydrogen Chloride (HCl)</u>	<u>800</u>
<u>Hydrogen Bromide (HBr)</u>	<u>50</u>
<u>Bromine (Br)</u>	<u>50</u>
<u>Chlorine (Cl₂)</u>	<u>450</u>
<u>Fluorine (F₂)</u>	<u>50</u>

This rule does not apply to combine fluorides, chlorides or bromides, other than the acid version. With respect to fluorides, the rule applies only to the combustion of hydrogen-containing fuels and fluorine-containing oxidizers to form hydrogen fluoride.

[District Rule 406 - *Specific Contaminants*]

~~[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]~~ ~~Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.~~

~~[Rule 406 - *Specific Contaminants*]~~

~~202120.~~ Owner/Operator shall not discharge into the atmosphere from this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.

- (a) The provisions of this condition shall not apply to emissions from internal combustion engines.

[District Rule 407 - *Liquid and Gaseous Air Contaminants*]

~~21221.~~ Owner/Operator shall not build, erect, install, or use any equipment at this facility, 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 Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District District Rule 402.

[District Rule 408 - *Circumvention*]

~~2232~~. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of ~~2~~15 consecutive minutes.

[District Rule 409 - *Combustion Contaminants*]

Reference Section III A(1)

~~2343~~. The Air Pollution Control Officer (APCO), at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

- (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer (APCO).

District/State Only

~~[District **SIP Pending** - Rule 430 - *Breakdown Provisions*]~~

25. The owner/operator shall not burn, purchase, transfer, sell or offer for sale for any Stationary Source application in the District, and of the following:

- (a) Any Natural Gas, other than pipeline quality Natural Gas, containing sulfur compounds, calculated as H₂S, in excess of 16 Parts Per Million by Volume (ppmv).
- (b) Any Gaseous Fuel containing sulfur compounds, calculated as H₂S, in excess of the concentration limits as measured over the averaging periods for various Gaseous Fuels as specified in the table below:

<u>Fuel Type</u>	<u>Sulfur Limits (ppmv)</u>	<u>Averaging Periods</u>
<u>Refinery Gas</u>	<u>40</u>	<u>4 Hours</u>
<u>Landfill Gas</u>	<u>250</u>	<u>Daily</u>
<u>Sewage Digester Gas</u>	<u>40 or</u>	<u>Daily or</u>
	<u>40 and 500</u>	<u>Monthly and 15 Minutes</u>
<u>Other Gases</u>	<u>40</u>	<u>4 Hours</u>

- (c) Any Diesel Fuel with a sulfur content in excess of 15 ppm by weight. Diesel Fuel

with a sulfur content in excess of 15 ppm by weight.

(d) Any other Liquid Fuel with a sulfur content in excess of 500 ppm by weight.

(e) Any Solid Fuel having a sulfur content in excess of 0.5 percent by weight.

[District Rule 431 – Sulfur Content of Fuels]

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

[District Rule 431 - Sulfur Content of Fuels]

~~2426. [RESERVED]~~

~~25. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:~~

~~(a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.~~

~~(b) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.~~

~~(c) The provisions of this condition shall not apply to:~~

~~(1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.~~

~~(2) The emissions of VOCs from VOC containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.~~

~~(3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.~~

~~(4) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.~~

~~(5) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.~~

~~(6) Aerosol products~~

~~The owner/operator of this facility shall meet the following emission and operating requirements:~~

~~(a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.~~

~~(i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:~~

~~a. Product reformulation or substitution;~~

~~b. Process changes;~~

~~c. Improvement of operational efficiency;~~

~~d. Development of innovative technology;~~

~~e. operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).~~

~~(b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying~~

- period of 12 hours following the application of such non-VOC solvents.
- (c) The provisions of this condition shall not apply to:
- (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
 - (iii) The use of pesticides including insecticides, rodenticides or herbicides.
 - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
 - (v) Aerosol products.
 - (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.
- (d) Owner/operator shall maintain daily usage and monthly emission records for all VOC-containing materials, and daily usage and 30-day rolling average emission records for non-VOC organic solvents subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
- (i) The amount, type and VOC content of each solvent used; and
 - (ii) The method of application and substrate type; and
 - (iii) The permit units involved in the operation (if any).
- (e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.

[District Rule 442]

[District ~~SIP~~: Rule 442 – Usage of Solvents]

2576. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – Open Outdoor Fires]

28. The owner/operator must comply with all applicable requirements of District Rule 461 when transferring or dispensing gasoline.
[District Rule 461 – Gasoline Transfer and Dispensing]

29. The owner/operator must comply with all applicable requirements of District Rule 462 when transporting and loading organic liquids into tanks, including Motor Vehicle fuel tanks, tank trucks, trailers or railroad tank cars.
[District Rule 462 – Organic Liquid Loading]

30. The owner/operator must comply with all applicable requirements of District Rule 463 when storing organic liquids.
[District Rule 463 – Storage of Organic Liquids]

31. The owner/operator shall comply with the more stringent of the requirements for any source of air pollution that is subject to subpart 40 CFR 60, as adopted by reference in District Rule 900, and those requirements applicable by District Rule and Regulation. [District Rule - New Source Performance Standards]

32. The owner/operator shall comply with the more stringent of the requirements for any source of air pollution that is subject to subpart 40 CFR 61, as adopted by reference in District Rule 1000, and those requirements applicable by District Rule and Regulation. [District Rule - National Emission Standards for Hazardous Air Pollutants]

~~26337. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:~~

- ~~(a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.~~
- ~~(b) A permanent, conspicuous label summarizing the applicable operating requirements contained in Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.~~
- ~~(c) Cold Solvent Degreasers — Freeboard Requirements:
 - ~~(i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.~~
 - ~~(ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.~~
 - ~~(iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50oC (120oF) shall operate with a freeboard ratio equal to or greater than 0.75.~~
 - ~~(iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one.~~~~
- ~~(d) Cold Solvent Degreasers — Cover Requirements:
 - ~~(i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.~~~~
- ~~(e) Cold Solvent Degreasers — Solvent Level Identification:
 - ~~(i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.~~~~
- ~~(f) All Degreasers shall comply with the following operating requirements:
 - ~~(i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.~~
 - ~~(ii) Degreasers shall not be operating with any detectable solvent leaks.~~
 - ~~(ii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall~~~~

~~have a label indicating the name of the solvent/material they contain.~~

- ~~(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.~~
- ~~(v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.~~
- ~~(vi) Solvent carryout shall be minimized by the following methods:~~
 - ~~(a) Rack workload arranged to promote complete drainage~~
 - ~~(b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.~~
 - ~~(c) Retain the workload inside of the vapor zone until condensation ceases.~~
- ~~(d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.~~
- ~~(e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)~~
- ~~(vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.~~
- ~~(viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.~~
- ~~(ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.~~
- ~~(x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.~~
- ~~(xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.~~
- ~~(xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.~~
- ~~(xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.~~
- ~~(g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.~~
- ~~(h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:~~

- ~~(1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:~~
- ~~(i) Product name(s) used in the degreaser, and~~
 - ~~(ii) The mix ratio of solvent compounds mixtures of solvents are used, and~~
 - ~~(iii) VOC content of solvent or mixture of compounds as used, and~~
 - ~~(iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and~~
 - ~~(v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.~~
- ~~(2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.~~
- ~~(3) Documentation shall be maintained on-site of the disposal or on-site recycling of any waste solvent or residues.~~

~~Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).~~

~~Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products and which utilize volatile organic solvents. These requirements include, but are not limited to, the following:~~

~~VOC Content:~~

- ~~(a) An Owner/Operator shall not use a solvent with a VOC content that exceeds 25 grams of VOC per liter, as applied, for cleaning or surface preparation in any operation subject to this Rule.~~
- ~~(b) As an alternative to, or in lieu of, the above VOC limits, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mm Hg) or less at 20 degrees Celsius.~~

~~Control Equipment:~~

- ~~(c) Owner/Operator may comply with the VOC limits above by using approved air pollution control equipment provided that the VOC emissions from such operations and/or materials are reduced in accordance with the following:~~
 - ~~(i) The control equipment shall reduce emissions from an emission collection system by at least 95 percent (95%), by weight, or by reducing the output of the air pollution control equipment to less than 25 ppm calculated for carbon with no dilution; and~~
 - ~~(ii) The Owner/Operator demonstrates that the system collects at least 90 percent (90%), by weight, of the emissions generated by the sources of emissions.~~

~~Cleaning Equipment and Method Requirements:~~

- (d) An Owner/Operator shall not perform solvent cleaning unless one of the cleaning devices or methods listed below are used, and the applicable requirements that follow are used:
- (i) Wipe Cleaning;
 - a(ii). Closed containers or hand held spray bottles from which solvents are applied without a propellant-induced force;
 - b(iii). Cleaning equipment which has a solvent container that can be, and is closed during cleaning operations, except when depositing and removing objects to be cleaned, and is closed during non-operation with the exception of maintenance and repair to the equipment itself;
 - c(iv)). Non-atomized solvent flow method where the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid pressure build-up inside the container; or
 - d(v). Solvent flushing method where the cleaning solvent is discharged into a container which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping.
 - (e) All Degreasers shall be equipped with the following:
 - (i) An apparatus or cover(s) which reduces solvent evaporation, except for remote reservoirs.
 - (ii) A permanent, conspicuous label summarizing the applicable operating requirements. In lieu of a label, operating instructions may be posted near the degreaser where the Operators can access the proper operating requirements of this Rule.
 - (f) Remote Reservoirs shall be equipped with the following:
 - (i) A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of solvent within the work area.
 - (ii) A single or total drain hole area, not larger than 100 square centimeters (15.5 square inches) in area, for the Solvent to flow from the sink (platform/work area) into the enclosed reservoir.
 - (iii) If high volatility solvent is used, a drain cover/plug/closure device or a cover for placement over the top of the sink (platform/work area), when the equipment is not being used, cleaned or repaired.
 - (iv) A minimum sink depth of six (6) inches, as measured from the top of the drain to the top of the side of the sink.
 - (g) Cold Solvent Degreasers - Freeboard Requirements:
 - (i) Cold solvent degreasers using only low volatility solvents which are not agitated, shall operate with a freeboard height of not less than 6 inches.
 - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover, which remains closed during the cleaning operation.

- (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
- (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than one (1).
- (h) Cold Solvent Degreasers - Cover Requirements:
 - (v) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type which is designed to easily open and close without disturbing the vapor zone.
 - (i) Cold Solvent Degreasers - Solvent Level Identification:
 - (vi) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
- (j) All Degreasers shall comply with the following operating requirements:
 - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (iii) All solvent, including waste solvent, waste solvent residues and used applicators shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.
 - (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
 - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
 - (vi) Solvent carry-out shall be minimized by the following methods:
 - a. Rack workload arranged to promote complete drainage.
 - b. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
 - c. Retain the workload inside of the vapor zone until condensation ceases.
 - d. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
 - e. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
 - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.

- (viii) Except for sealed chamber degreasers, all solvent agitation shall be by either pump recirculation, a mixer, or ultrasonics.
- (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless the spray is conducted in a totally enclosed space, separated from the environment.
- (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
- (xi) Wipe cleaning materials, including shop towels, containing solvent shall be kept in closed containers at all times, except during use.
- (xii) Cleaning operations shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
- (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (k) District Rule 442 Applicability:
Any solvent-using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of District Rule 442.
- (l) Solvent Usage Records:
Owner/Operator subject to District Rule 1104 or claiming any exemption under Rule 1104, shall comply with the following requirements:
 - (i) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
 - a. Product name(s) used in the degreaser;
 - b. The mix ratio of mixtures containing solvents as used;
 - c. VOC content of solvent or mixture of compounds as used;
 - d. The total volume of the solvent(s) used for the facility, on a monthly basis; and
 - e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
 - (ii) Additionally, for any degreaser utilizing an add-on emission control equipment/system as a means of complying with the provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
 - (iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.

- (iv) Records shall be retained on site and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.
 - (m) The provisions of this Rule shall not apply to:
 - (i) Solvent cleaning/degreasing operations using total liquid Solvent containing less than two (2) percent by weight of VOC.
 - (ii) Any Small Cold Solvent Degreaser with a Solvent surface area of less than 929 square centimeters (1 square foot) shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance
 - (iii) Consumer products such as aerosol cans or small containers (one quart or smaller) unless the total accumulative use is greater than 160 ounces (five quarts) of Solvent per day. All Solvent, including Waste Solvent, Waste Solvent residues, and used applicators shall be stored in closed containers at all times. All containers for any Solvent(s) shall have a label indicating the name of the Solvent/material they contain. Waste Solvent and any residues shall be disposed of by one of the following methods: a commercial Waste Solvent reclamation service licensed by the State of California; or a federally or state licensed Facility to treat, store or dispose of such Waste; or the originating Facility may recycle the Waste Solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
 - (iv) Any source operation that is subject to or specifically exempted by District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
 - (v) Film cleaning operations that use 1,1,1-trichloroethane exclusively.
 - (vii) The surface preparation standards in subsection (C)(1) and (C)(2) of Rule 1104 shall not apply to the following:
 - 1. The surface preparation of electrical and electronic components, precision optics, or numismatic dies;
 - 2. Stripping of cured Inks, Coatings and Adhesives or cleaning of resin, Coating, Ink and Adhesive mixing, molding and application.
 - 3. Surface preparation associated with research and development operations; medical device or pharmaceutical manufacturing operations; performance testing to determine Coating, Adhesive or Ink performance; or testing for quality control or quality assurance purposes.
 - (n) Any Facility classified as exempt or claiming to be exempt under Section (E), shall meet the record keeping requirements of this Rule so as to be able to prove the exemption status.
- (4) — [District Rule 1104 - Organic Solvent Degreasing Operations]

34278. Owner/Operator's use of Architectural Coatings at this facility shall comply with the requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, part C, as listed below:

<u>VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS</u>		
<u>Coating Category</u>	<u>Current Limit</u>	<u>Effective 01/01/2022</u>
<u>Primary Coatings</u>	<u>---</u>	<u>---</u>
<u>Flat Coatings</u>	<u>50</u>	
<u>Nonflat Coatings</u>	<u>100</u>	<u>50</u>
<u>Specialty Coatings</u>	<u>---</u>	<u>---</u>
<u>Aluminum Roof Coatings</u>	<u>400</u>	<u>100</u>
<u>Basement Specialty Coatings</u>	<u>400</u>	
<u>Bituminous Roof Coatings</u>	<u>50</u>	
<u>Bituminous Roof Primers</u>	<u>350</u>	
<u>Bond Breakers</u>	<u>350</u>	
<u>Building Envelope Coatings</u>		<u>50</u>
<u>Concrete Curing Compounds</u>	<u>350</u>	
<u>Concrete/Masonry Sealers</u>	<u>100</u>	
<u>Driveway Sealers</u>	<u>50</u>	
<u>Dry Fog Coatings</u>	<u>150</u>	<u>50</u>
<u>Faux Finishing Coatings</u>	<u>350</u>	
<u>Fire Resistive Coatings</u>	<u>350</u>	<u>150</u>
<u>Floor Coatings</u>	<u>100</u>	<u>50</u>
<u>Form-Release Compounds</u>	<u>250</u>	<u>100</u>
<u>Graphic Arts Coatings (Sign Paints)</u>	<u>500</u>	
<u>High Temperature Coatings</u>	<u>420</u>	
<u>Industrial Maintenance Coatings</u>	<u>250</u>	
<u>Low Solids Coatings^a</u>	<u>120</u>	
<u>Magnesite Cement Coatings</u>	<u>450</u>	
<u>Mastic Texture Coatings</u>	<u>100</u>	
<u>Metallic Pigmented Coatings</u>	<u>500</u>	
<u>Multi-Color Coatings</u>	<u>250</u>	
<u>Pre-Treatment Wash Primers</u>	<u>420</u>	
<u>Primers, Sealers, and Undercoaters</u>	<u>100</u>	
<u>Reactive Penetrating Sealers</u>	<u>350</u>	
<u>Recycled Coatings</u>	<u>250</u>	
<u>Roof Coatings</u>	<u>50</u>	
<u>Rust Preventative Coatings</u>	<u>250</u>	
<u>Shellacs:</u>	<u>---</u>	<u>---</u>
<u>Clear</u>	<u>730</u>	
<u>Opaque</u>	<u>550</u>	
<u>Specialty Primers, Sealers, and Undercoaters</u>	<u>100</u>	
<u>Stains:</u>	<u>---</u>	<u>---</u>

<u>VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS</u>		
<u>Coating Category</u>	<u>Current Limit</u>	<u>Effective 01/01/2022</u>
<u>Exterior/Dual</u>	<u>250</u>	<u>100</u>
<u>Interior</u>	<u>250</u>	<u>100</u>
<u>Stone Consolidants</u>	<u>450</u>	
<u>Swimming Pool Coatings</u>	<u>340</u>	
<u>Tire and Stone Sealers</u>	<u>100</u>	
<u>Traffic Marking Coatings</u>	<u>100</u>	
<u>Tub and Tile Refinish Coatings</u>	<u>420</u>	
<u>Waterproofing Membranes</u>	<u>250</u>	<u>100</u>
<u>Wood Coatings</u>	<u>275</u>	
<u>Wood Preservatives</u>	<u>350</u>	
<u>Zinc-Rich Primers</u>	<u>340</u>	

a: Limit is expressed as VOC Actual

Limits are expressed as VOC Regulatory, thinned to the manufacturer’s maximum recommendation excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. Manufacturer’s maximum recommendation” means the maximum recommendation for thinning that is indicated on the label or lid of the Coating container.

[District Rule 1113 – Architectural Coatings]

Owner/Operator’s use of Architectural Coatings at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, Part C Requirements, as listed in Table 1 below:

Table 1

VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Limits are expressed in grams of VOC per liter* of coating thinned to the manufacturer’s maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to tint bases. “Manufacturer’s maximum recommendation” means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

Coating Category	Effective, 02/24/2003	Effective, 01/01/2013
Primary Coatings		
Flat Coatings	100	50
Nonflat Coatings	150	100
Nonflat-High Gloss Coatings	250	150
Specialty Coatings		
Aluminum Roof Coatings	n/a	400
Basement Specialty Coatings	n/a	400
Bituminous Roof Coatings	300	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	n/a	100
Driveway Sealers	n/a	50
Dry Fog Coatings	400	150
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	350
Floor Coatings	250	100
Form-Release Compounds	250	250
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings	120 _a	120 _a
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	300	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	200	100
Reactive Penetrating Sealers	n/a	350
Recycled Coatings	250	250
Roof Coatings	250	50
Rust Preventative Coatings	400	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	350	100
Stains	250	250
Stone Consolidants	n/a	450
Swimming Pool Coatings	340	340
Traffic Marking Coatings	150	100
Tub and Tile Refinish Coatings	n/a	420
Waterproofing Membranes	n/a	250
Wood Coatings	n/a	275
Wood Preservatives	350	350
Zinc-Rich Primers	n/a	340
a: Limit is expressed as VOC Actual (G)(1)(a)(ii)		

~~[Rule 1113 – Architectural Coatings]~~

28359. Owner/Operator’s use of Wood Products Coatings at this facility shall comply with the applicable requirements of District Rule 1114, including the VOC limits specified in District Rule 1114, as listed below:

Owner/Operator shall not apply to wood products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 90 percent:

<u>VOC CONTENT OF COATINGS AND ADHESIVES FOR NEW WOOD PRODUCTS</u>		
<i>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</i>		
<u>Coating Category</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>General</u>	<u>275</u>	<u>(2.3)</u>
<u>Adhesives</u>	<u>250</u>	<u>(2.1)</u>
<u>Clear Sealers</u>	<u>275</u>	<u>(2.3)</u>
<u>Clear Topcoats</u>	<u>275</u>	<u>(2.3)</u>
<u>Conversion Varnish</u>	<u>550</u>	<u>(4.6)</u>
<u>Fillers</u>	<u>275</u>	<u>(2.3)</u>
<u>High-Solids Stains</u>	<u>240</u>	<u>(2.0)</u>
<u>Inks</u>	<u>500</u>	<u>(4.2)</u>
<u>Low-Solids Stains, Toners and Washcoats</u>	<u>120</u>	<u>(1.0)</u>
<u>Medium Density Fiberboard (MDF) Coatings</u>	<u>275</u>	<u>(2.3)</u>
<u>Mold Seal</u>	<u>750</u>	<u>(6.3)</u>
<u>Multi-Colored Coatings</u>	<u>275</u>	<u>(2.3)</u>
<u>Pigmented Primers, Sealers and Undercoats</u>	<u>275</u>	<u>(2.3)</u>
<u>Pigmented Topcoats</u>	<u>275</u>	<u>(2.3)</u>

<u>VOC CONTENT OF COATINGS AND ADHESIVES FOR REFINISHING, REPAIRING, PRESERVING, OR RESTORING WOOD PRODUCTS</u>		
<i>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</i>		
<u>Coating Category</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>General</u>	<u>420</u>	<u>(3.5)</u>
<u>Clear Topcoats</u>	<u>680</u>	<u>(5.7)</u>
<u>Conversion Varnish</u>	<u>550</u>	<u>(4.6)</u>
<u>Fillers</u>	<u>500</u>	<u>(4.2)</u>
<u>High-Solids Stains</u>	<u>700</u>	<u>(5.8)</u>
<u>Inks</u>	<u>500</u>	<u>(4.2)</u>
<u>Low-Solids Stains, Toners and Washcoats</u>	<u>480</u>	<u>(4.0)</u>
<u>Medium Density Fiberboard (MDF) Coatings</u>	<u>680</u>	<u>(5.7)</u>
<u>Mold-Seal Coating</u>	<u>750</u>	<u>(6.3)</u>
<u>Multi-Colored Coatings</u>	<u>680</u>	<u>(5.7)</u>
<u>Pigmented Coatings</u>	<u>600</u>	<u>(5.0)</u>
<u>Sealers</u>	<u>680</u>	<u>(5.7)</u>

[District Rule 1114 – Wood Products Coating Operations]
 Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114,

part C, Table of Standards, as listed below:

~~(1) VOC Content of Coatings & Adhesives~~

~~(a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.~~

~~(i) LIMITS~~

~~Grams of VOC Per Liter of Coating,~~

~~Less Water and Less Exempt Compounds (VOC Content)~~

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97		On and After 7/1/2005
		Column I or g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and Undercoats	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

~~(ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:~~

(c) ~~_____~~ LIMITS

~~Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)~~

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)
Pigmented Topcoats	600 (5.0)

(d) ~~_____~~ LIMITS

~~Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)~~

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97	On and After 7/1/2005
		g/L (lb/gal)	g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

~~[Rule 1114 – Wood Products Coating Operations]~~

~~293630. Owner/Operator's use of Metal Parts and Products Coatings at this facility shall
comply with the applicable requirements of Rule 1115, including the VOC limits~~

~~specified in Rule 1115, as listed below:~~

~~Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:~~

~~Owner/Operator's use of Metal Parts and Products Coatings at this facility shall comply with the applicable requirements of District Rule 1115, including, but not limited to, the VOC limits specified in District Rule 1115, as listed below:~~

~~(a) Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 90 percent:~~

<u>VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS</u>				
<i>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</i>				
<u>Coating Category</u>	<u>Air Dried</u>		<u>Baked</u>	
	<u>g/L</u>	<u>(lb/gal)</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>General One-Component*</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>General Multi-Component*</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>Military Specification</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>Etching Filler</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Solar-Absorbent</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Heat-Resistant</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>High-Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Extreme High-Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Metallic</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Extreme-Performance</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Prefabricated Architectural One-Component</u>	<u>420</u>	<u>(3.5)</u>	<u>275</u>	<u>(2.3)</u>
<u>Prefabricated Architectural Multi-Component</u>	<u>420</u>	<u>(3.5)</u>	<u>275</u>	<u>(2.3)</u>
<u>Touch-Up</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Repair</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Silicone-Release</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>High-Performance Architectural</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Camouflage</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Vacuum-Metalizing</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Mold-Seal</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>High-Temperature</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>

<u>VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS</u>				
<u>COATINGS</u>				
<i>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</i>				
<u>Coating Category</u>	<u>Air Dried</u>		<u>Baked</u>	
	<u>g/L</u>	<u>(lb/gal)</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>Electric-Insulating Varnish</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Pan-Backing</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Pretreatment Wash Primer</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Drum (New, Exterior)</u>	<u>340</u>	<u>(2.8)</u>	<u>340</u>	<u>(2.8)</u>
<u>Drum (New, Interior)</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Drum (Reconditioned, Exterior)</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Drum (Reconditioned, Interior)</u>	<u>500</u>	<u>(4.2)</u>	<u>500</u>	<u>(4.2)</u>
<u>Chemical Agent Resistant</u>	<u>340</u>	<u>(2.8)</u>	<u>280</u>	<u>(2.3)</u>
<i>*A General Coating is a Coating that does not meet a specific Coating category definition and is assumed to be a general use Coating and subject to the VOC limit for a General Coating.</i>				

LIMITS

————— *(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)*

<u>Coating</u>	<u>Air Dried</u>	<u>Baked</u>	<u>g/L</u>
	<u>(lb/gal)</u>		
	<u>(lb/gal)</u>	<u>g/L</u>	

<u>General</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Military Specification</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Etching Filler</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Solar-Absorbent</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Heat Resistant</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>High Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Extreme High Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Metallic</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Extreme Performance</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Prefabricated Architectural</u>				

		Component	
420	(3.5)	275	(2.3)
		Touch Up	
420	(3.5)	360	(3.0)
		Repair	
420	(3.5)	360	(3.0)
		Silicone Release	
420	(3.5)	420	(3.5)
		High Performance Architectural	
420	(3.5)	420	(3.5)
		Camouflage	
420	(3.5)	420	(3.5)
		Vacuum Metalizing	
420	(3.5)	420	(3.5)
		Mold Seal	
420	(3.5)	420	(3.5)
		High Temperature	
420	(3.5)	420	(3.5)
		Electric Insulating Varnish	
420	(3.5)	420	(3.5)
		Pan Backing	
420	(3.5)	420	(3.5)
		Pretreatment Wash Primer	
420	(3.5)	420	(3.5)
		Clear Coating	
520	(4.3)	520	(4.3)
[Rule 1115 - Metal Parts and Products Coating Operations]			

31. Owner/Operator's use of *Automotive Refinishing Operations* at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in Rule 1116, as listed below:

- (1) VOC Contents of Coatings
- (a) Effective on the dates specified, a Person shall not apply Coating to a Motor Vehicle, Mobile Equipment, or Associated Parts or Components, that has a VOC content in excess of the limits contained in Table 1 and Table 2 of this subsection.

29. Table 1 - Coating Categories and VOC Limits

	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)
Coating Categories	Effective on and after 7/1/2011
Adhesion Promoter	540 (4.5)

Clear Coating	250 (2.1)
Color Coating	420 (3.5)
Multi-color Coating	680 (5.7)
Pretreatment Coating	660 (5.5)
Primer	250 (2.1)
Primer Sealer	250 (2.1)
Single-stage Coating	340 (2.8)
Temporary Protective Coating	60 (0.5)
Truck Bed Liner Coating	310 (2.6)
Underbody Coating	430 (3.6)
Uniform Finish Coating	540 (4.5)
Any Other Coating Type	250 (2.1)

3037. Owner/Operator's use of industrial, institutional, and commercial boilers, steam generators, and process heaters located at this facility shall comply with the applicable requirements of District Rule 1157.1 – BARCT Requirements for Boilers and Process Heaters Outside the FONA.
District and State Enforceable Only

38. Owner/Operator shall comply with all requirements of Owner/Operator shall comply with all requirements of Rule 1168 – Adhesive and Sealant Applications. Specifically, the Owner/Operator shall not apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified below:

<u>ADHESIVE AND SEALANT APPLICATION CATEGORIES AND VOC LIMITS</u>		
<small>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</small>		
<u>Application Process</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>General Adhesives</u> <i>(General adhesive application processes are those not specifically identified in other categories listed below as specialty adhesives application processes).</i>	----	----
<u>Fiberglass</u>	<u>80</u>	<u>0.7</u>
<u>Flexible Vinyl</u>	<u>250</u>	<u>2.1</u>
<u>Metal</u>	<u>30</u>	<u>0.3</u>
<u>Plastic Foams</u>	<u>50</u>	<u>0.4</u>
<u>Porous Material (Except Wood)</u>	<u>50</u>	<u>0.4</u>
<u>Pre-formed Rubber Products</u>	<u>250</u>	<u>2.1</u>
<u>Reinforced Plastic Composite</u>	<u>200</u>	<u>1.7</u>
<u>Rubber</u>	<u>250</u>	<u>2.1</u>

ADHESIVE AND SEALANT APPLICATION CATEGORIES AND VOC LIMITS

(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)

<u>Application Process</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>Wood</u>	<u>30</u>	<u>0.3</u>
<u>Other Substrates</u>	<u>250</u>	<u>2.1</u>
<u>Specialty Adhesives</u>	<u>----</u>	<u>----</u>
<u>Building Envelope Membrane</u>	<u>250</u>	<u>2.1</u>
<u>Carpet Pad</u>	<u>50</u>	<u>0.4</u>
<u>Ceramic Tile Installation</u>	<u>65</u>	<u>0.5</u>
<u>Contact Adhesive</u>	<u>80</u>	<u>0.7</u>
<u>Contact Adhesive – Special Purpose</u>	<u>250</u>	<u>2.1</u>
<u>Cove Base Installation</u>	<u>50</u>	<u>0.4</u>
<u>Drywall and Panel</u>	<u>50</u>	<u>0.4</u>
<u>Edge Glue</u>	<u>250</u>	<u>2.1</u>
<u>Elastomeric</u>	<u>750</u>	<u>6.3</u>
<u>Floor Covering Installation (Indoor)</u>	<u>150</u>	<u>1.3</u>
<u>Floor Covering Installation (Outdoor)</u>	<u>250</u>	<u>2.1</u>
<u>Immersible Product Manufacturing</u>	<u>650</u>	<u>5.4</u>
<u>Indoor Carpet</u>	<u>50</u>	<u>0.4</u>
<u>Metal to Urethane/Rubber Molding or Casting</u>	<u>850</u>	<u>7.1</u>
<u>Motor Vehicle</u>	<u>250</u>	<u>2.1</u>
<u>Motor Vehicle Weatherstrip</u>	<u>750</u>	<u>6.3</u>
<u>Multipurpose Construction</u>	<u>70</u>	<u>0.6</u>
<u>Non-membrane Roof Installation/Repair</u>	<u>300</u>	<u>2.5</u>
<u>Other Flooring</u>	<u>50</u>	<u>0.4</u>
<u>Perimeter Bonded Sheet Vinyl</u>	<u>660</u>	<u>5.5</u>
<u>Plastic Solvent Welding:</u>	<u>----</u>	<u>----</u>
<u>ABS</u>	<u>325</u>	<u>2.7</u>
<u>ABS to PVC Transition</u>	<u>510</u>	<u>4.3</u>
<u>Cellulose</u>	<u>100</u>	<u>0.8</u>
<u>CPVC</u>	<u>490</u>	<u>4.1</u>
<u>PVC</u>	<u>510</u>	<u>4.3</u>
<u>Styrene-Acrylonitrile</u>	<u>100</u>	<u>0.8</u>
<u>All Other Plastic Solvent Welding</u>	<u>250</u>	<u>2.1</u>
<u>Rubber Floor</u>	<u>60</u>	<u>0.5</u>
<u>Sheet Rubber Lining Installation</u>	<u>850</u>	<u>7.1</u>
<u>Single-Ply Roof Membrane Installation/Repair</u>	<u>250</u>	<u>2.1</u>
<u>Structural Glazing</u>	<u>100</u>	<u>0.8</u>
<u>Structural Wood Member</u>	<u>140</u>	<u>1.7</u>
<u>Subfloor</u>	<u>50</u>	<u>0.4</u>
<u>Then Metal Laminating</u>	<u>780</u>	<u>6.5</u>

<u>ADHESIVE AND SEALANT APPLICATION CATEGORIES AND VOC LIMITS</u>		
<i>(Grams of VOC Per Liter of Coating or Pounds Per Gallon, Less Water and Less Exempt Compounds)</i>		
<u>Application Process</u>	<u>g/L</u>	<u>(lb/gal)</u>
<u>Tire Retread</u>	<u>100</u>	<u>0.8</u>
<u>Top and Trim</u>	<u>540</u>	<u>4.5</u>
<u>Traffic Marking Tape</u>	<u>150</u>	<u>1.3</u>
<u>VCT and Asphalt Tile</u>	<u>50</u>	<u>0.4</u>
<u>Waterproof Resorcinol Glue</u>	<u>170</u>	<u>1.4</u>
<u>Wood Flooring</u>	<u>100</u>	<u>0.8</u>
<u>Adhesive Primer</u>		
<u>Motor Vehicle Glass Bonding</u>	<u>900</u>	<u>7.5</u>
<u>Plastic Solvent Welding</u>	<u>550</u>	<u>4.6</u>
<u>Single-Ply Roof Membrane</u>	<u>250</u>	<u>2.1</u>
<u>Traffic Marking Tape</u>	<u>150</u>	<u>1.3</u>
<u>Other Adhesive Primer</u>	<u>250</u>	<u>2.1</u>
<u>Sealant Primers</u>		
<u>Architectural – Non-Porous</u>	<u>250</u>	<u>2.1</u>
<u>Architectural – Porous</u>	<u>775</u>	<u>6.5</u>
<u>Modified Bituminous</u>	<u>500</u>	<u>4.2</u>
<u>Other Sealant Primer</u>	<u>750</u>	<u>6.3</u>
<u>Sealants</u>		
<u>Architectural</u>	<u>250</u>	<u>2.1</u>
<u>Non-Membrane Roof</u>	<u>300</u>	<u>2.5</u>
<u>Non-Staining Plumbing Putty</u>	<u>150</u>	<u>1.3</u>
<u>Potable Water</u>	<u>100</u>	<u>0.8</u>
<u>Roadway</u>	<u>250</u>	<u>2.1</u>
<u>Single-Ply Roof Membrane</u>	<u>450</u>	<u>3.8</u>
<u>All Other Architectural Sealants</u>	<u>50</u>	<u>0.4</u>
<u>All Other Roof Sealants</u>	<u>300</u>	<u>2.5</u>
<u>All Other Sealants</u>	<u>420</u>	<u>3.5</u>

[District Rule 1168 - *Adhesive and Sealant Applications*]

~~31.~~

~~39.~~

(b) Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and Exempt Compounds, as applied to the Motor Vehicle, Mobile Equipment, or Associated Parts or Components.

- ~~(c) All automotive coatings shall be applied using either electrostatic application equipment, HVLP Spray gun, or other coating application demonstrated to the APCO to have equivalent transfer efficiencies of these.~~
 - ~~(d) Solvents used in Surface Preparation and Cleaning Operations shall not exceed 25 g/L VOC. Solvents shall be stored in vapor tight closed containers. Closed, non-absorbent containers shall be used for the storage or disposal of any applicator (including brushes, swabs, cloth or paper) used for solvent Surface Preparation and Cleaning Operations~~
 - ~~(e) The owner/operator when engaging in coating operations subject to Rule 1116 shall maintain a log containing at least the following:
 - ~~1. Equipment by permitted number, or name of operation for unpermitted equipment, that uses material containing VOC subject Rule 1116.~~
 - ~~2. Type of material (Coating, Solvent, etc.), its use, and its applicable VOC limit in pounds per gallon (or grams per liter), by District Rule or Rules.~~
 - ~~3. Manufacturer of material, manufacturer product name, and/or code number.~~
 - ~~4. Quantity of each Automotive Coating, Solvent used, and its VOC content. (Note: Units must be consistent).~~
 - ~~5. The HAP Compounds content.~~
 - ~~6. Copies of the Environmental Data Sheet and/or Material Safety Data Sheet (MSDS) for each coating, diluents, thinner, and solvent used.~~~~
- ~~[Rule 1116 Automotive Refinishing Operations]~~

32. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (District Regulation XII - *Federal Operating Permits*).

~~32403.~~ Owner/Operator shall comply with all requirements of Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.
~~[SIP Pending: District Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits;]~~

~~3340.~~ Owner/Operator shall must comply with all the requirements of 40 CFR 60 Subpart A – General Provisions, Subpart D – NSPS Fossil-Fuel-Fired Steam Generators^[SH1], and Subpart OOO – NSPS for Nonmetallic Mineral Processing Plants.

~~41.~~ Owner/Operator must comply with all the requirements of 40 CFR, Subpart A – General Provisions, Subpart CCCCC – NESHAP for Gasoline Dispensing Facilities, and Subpart JJJJJ – NESHAP for Industrial, Commercial, and Institutional Boilers Area Sources.

the following:

40 CFR 60 Subpart A; 40 CFR 63 Subpart A; 40 CFR Part 63 Subpart CCCCC; 40 CFR 63 Subpart JJJJJ; 40 CFR Part 60 Subpart OOO; 40 CFR Part 60 Subpart D

B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. -Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.

~~[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]~~
~~[District Rule 1203(D)(1)(d)(ii)]~~
~~[40 CFR 70.6(a)(3)(ii)(B)]~~

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. - Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.

~~[District Rule 204 - Permit Conditions]~~

3. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, state, and federal required Emission Inventories shall monitor and record the following for each unit:
 - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
 - (b) Fuel suppliers' fuel analysis certification/guarantee including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement are sufficient.

~~[40 CFR 70.6(a)(3)(B) - Periodic Monitoring Requirements]~~

~~[Rule 204 - Permit Conditions]~~

~~[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]~~

~~-[District Rule 204]~~

~~[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.:]~~

~~[40 CFR 70.6(a)(3)(B);]~~

~~[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]~~

4. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A] This facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.

District and State Applicability only

[District Rule 1302(C)(2)(a)]
[40 CFR 51, Subpart A]

5. (a) — Owner/Operator shall submit Compliance Certifications as prescribed by District Rule 1203(F)(1) and District Rule 1208, in a format approved by ~~MDAQMD~~the District. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
~~[40 CFR 70.6(e)(5)(i); Rule 1208; Rule 1203(D)(1)(vii - x)]~~
[District Rule 1203(D)(1)(g)(vii); District Rule 1203(F)(1); District Rule 1208; and 40 CFR 70.6(c)(5)(i)]
- (ba) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
———~~[40 CFR 70.6(e)(5)(ii); Rule 1203(D)(1)(g)(viii)]~~[District Rule 1203(D)(1)(g)(viii); and 40 CFR 70.6(c)(5)(ii)]
- (b) Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA, Region IX Administrator.
[District Rule 1203(D)(g)(ix); and 40 CFR 70.6(c)(5)(iii)]
- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[District Rule 1203 (D)(1)(g)(x)]
- (d) Owner/Operator shall submit a Compliance Certification Report to the APCO/District on an annual basis pursuant to District Rule 1203. The Compliance Certification Report shall cover the twelve (12) month period from March 11 to March 10, and be postmarked no later than 30 days after the end of the reporting period. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and District Rule 1203 (D)(1)(g)(v - x)]

56. Owner/Operator shall submit, on a semi-annual basis, a Monitoring Report to the Air

~~Pollution Control Officer (APCO) / District. Each *Monitoring Report* shall cover the periods from March 11 to September 7 and September 8 to March 10, and be postmarked no later than 30 days after the end of the reporting periods. This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:~~

- ~~(a) Summary of deviations from any federally enforceable requirement in this permit.~~
 - ~~(b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally enforceable requirement.~~
 - ~~(c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally enforceable requirement that does not directly require such monitoring.~~
- ~~— An alternate Monitoring Report format may be used upon prior approval by MDAQMD.
— [Rule 1203(D)(1)(e)(i)]~~

Owner/Operator shall submit, semi-annually, a Monitoring Report of Deviations to the APCO/District, with a copy to the USEPA, Region IX Administrator. The Monitoring Report of Deviations shall be certified to be true, accurate, and complete by the Responsible Official and shall include the following information and/or data:

- (a) Summary of all reportable deviations from any federally enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement/federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement/federally - enforceable requirement that does not directly require such monitoring.
- (d) The semi-annual reporting periods shall be submitted as follows:
 - (1) March~~th~~ 11th through September 7th, due with postmarked no later than 30 days after the end of the reporting periods; and,
 - (2) September 8th through March 10th, due with postmarked no later than 30 days after the end of the reporting periods.

[District Rule 1203(D)(1)(c)(i - iii); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i - ii); District Rule 1203(D)(1)(g)(v - x)]

67. Owner/Operator shall promptly report all deviations from Federal Operating Permit requirements including, but not limited to, any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.

[District Rule 1203(D)(1)(e)(ii) and District Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of

the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.

[~~SIP Pending-District~~ Rule 430 - Breakdown Provisions ~~as amended 12/21/94 and submitted 2/24/95~~]

- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months.

[District Rule 1203(D)(1)(e)(i)]

78. If any facility unit(s) should be determined not to be in compliance with any federally enforceable requirement during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of ~~MDAQMD-District~~ Regulation ~~5-V~~ (District Rules 501 - 518). -In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with District Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); District Rule 1203 (D)(1)(g)(v)]

89. The permit holder shall submit an application for renewal of this Title V Permit at least six (6) months, but no earlier than eighteen (18) months, prior to the expiration date of this Federal operating permit (FOP). If an application for renewal has not been submitted and deemed complete in accordance with this deadline, the facility may not operate under the (previously valid) FOP after this FOP expiration date. If the permit renewal has not been issued by this FOP expiration date, but a timely application for renewal has been

submitted and deemed complete in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application.

[District Rule 1202(B)(3)(b)(i); District Rule 1202(E)(2)(a)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.

~~[40 CFR 70.6(e)(2)(i); Rule 1203(D)(1)(g)(i)]~~[District Rule 1203(D)(1)(g)(i)];
~~[40 CFR 70.6(c)(2)(i)]~~

2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.

~~[40 CFR 70.6(e)(2)(ii); Rule 1203(D)(1)(g)(ii)]~~[District Rule 1203(D)(1)(g)(ii)];
~~[40 CFR 70.6(c)(2)(ii)]~~

3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.

~~[40 CFR 70.6(e)(2)(iii); Rule 1203(D)(1)(g)(iii)]~~[District Rule 1203(D)(1)(g)(iii)];
~~[40 CFR 70.6(c)(2)(iii)]~~

4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.

~~[40 CFR 70.6(e)(2)(iv); Rule 1203(D)(1)(g)(iv)]~~[District Rule 1203(D)(1)(g)(iv)];
~~[40 CFR 70.6(c)(2)(iv)]~~

5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.

[District 1203 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.

[District Rule 1201 (I)(2); District Rule 1203(D)(1)(g)(v)]

7. ~~Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, National Emission Standards for Hazardous Air Pollutants, subpart A, General Provisions, and subpart M, Asbestos.~~

~~[40 CFR 61, subparts A and M] Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, National Emission Standards for Hazardous Air Pollutants, subpart A, General Provisions, and with the requirements of 40 CFR 61.140 through 61.157 of subpart M, Asbestos for all demolition and renovation projects.~~

~~[40 CFR 61, subparts A and M]~~

~~8. Owner/Operator shall notify Air Pollution Control Officer (APCO) / District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, National Emission Standard for Asbestos.~~

~~[40 CFR 61.145.b]~~

~~9. Owner/Operator shall notify the Air Pollution Control Officer (APCO) / District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].~~

~~[40 CFR 61.145.b]~~

~~This facility is subject to 40 CFR 60, Subpart III—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, as this facility owns and operates a stationary Compression Ignition Internal Combustion Engine that commenced construction after July 11, 2005.~~

~~[40 CFR 63, Subpart III]~~

D. GASOLINE DISPENSING FACILITIES; TRONA & LAKE GARAGE, ARGUS, WESTEND, RAILROAD:

D-1. CONDITIONS APPLICABLE TO TRONA GASOLINE DISPENSING FACILITY (non-retail); MDAQMD PERMIT NUMBER N002725-; consisting of:

- a. Tanks - Number of Gasoline Tanks: 1
 - Tank Number: 1
 - 1. Material Stored: (87) Unleaded
 - 2. Volume Gallons: 1,000
 - 3. Aboveground (A): A

- b. Dispensing Equipment:
 - 1. Gasoline Dispensing Nozzles (Number): 1
 - 2. Phase II Vapor Recovery System (Type): Balance [gasoline only]

D-2. CONDITIONS APPLICABLE TO TRONA/LK GARAGE GASOLINE DISPENSING FACILITY (non-retail); MDAQMD PERMIT NUMBER N002235; consisting of:

- a. Tanks - Number of Gasoline Tanks: 1
- | | | |
|----|------------------|---------------|
| | Tank Number: | 1 |
| 1. | Material Stored: | (87) Unleaded |
| 2. | Volume Gallons: | 2,000 |
| 3. | Aboveground (A): | A |
| 4. | Phase I EVR: | ??? |

- b. Dispensing Equipment:
- | | | |
|----|--|-------------------------|
| 1. | Gasoline Dispensing Nozzles (Number): | 1 |
| 2. | Phase II Vapor Recovery System (Type): | Balance [gasoline only] |

D-3. CONDITIONS APPLICABLE TO ARGUS GASOLINE DISPENSING FACILITY (non-retail); MDAQMD PERMIT NUMBER N002727; consisting of:

- a. Tanks - Number of Gasoline Tanks: 1
- | | | |
|----|------------------|---------------|
| | Tank Number: | 1 |
| 1. | Material Stored: | (87) Unleaded |
| 2. | Volume Gallons: | 1,000 |
| 3. | Underground (U): | <u>UA</u> |

[SH2]

- b. Dispensing Equipment:
- | | | |
|----|--|-------------------------|
| 1. | Gasoline Dispensing Nozzles (Number): | 1 |
| 2. | Phase II Vapor Recovery System (Type): | Balance [gasoline only] |

D-4. CONDITIONS APPLICABLE TO WESTEND GASOLINE DISPENSING FACILITY (non-retail); MDAQMD PERMIT NUMBER N002726; consisting of:

- a. Tanks - Number of Gasoline Tanks: 1
- | | | |
|----|------------------|---------------|
| | Tank Number: | 1 |
| 1. | Material Stored: | (87) Unleaded |
| 2. | Volume Gallons: | 1,000 |
| 3. | Aboveground (A): | A |

- b. Dispensing Equipment:
- | | | |
|----|--|-------------------------|
| 1. | Gasoline Dispensing Nozzles (Number): | 1 |
| 2. | Phase II Vapor Recovery System (Type): | Balance [gasoline only] |

D-5. CONDITIONS APPLICABLE TO TRONA RAILWAY COMPANY GASOLINE DISPENSING FACILITY (non-retail); MDAQMD PERMIT NUMBER N002230; consisting of:

- a. Tanks - Number of Tanks: 1
 - Tank Number: 1
 - 1. Material Stored: (87) Unleaded
 - 2. Volume Gallons: 1,000
 - 3. Aboveground (A): A

- b. Dispensing Equipment:
 - 1. Gasoline Dispensing Nozzles (Number): 1
 - 2. Phase II Vapor Recovery System (Type): Balance [gasoline only]

E. CARB Executive Order and District Rule 461 Requirements APPLICABLE TO EACH GDF PERMIT UNIT LISTED ABOVE

- 1. 1. —The owner/operator shall conspicuously post, in the gasoline dispensing area, the operating instructions and the district's toll-free telephone number for complaints (1-800-635-4617).
[District Rule 461 - Gasoline Transfer and Dispensing]
The toll-free telephone number that must be posted is 1-800-635-4617.

- 2. 2. —The owner/operator shall maintain a log of all inspections, maintenance and repairs, and throughput on equipment. Such logs or records shall be maintained at the facility for at least two (2) years and shall be available to the District upon request.
[District Rule 461 - Gasoline Transfer and Dispensing]
The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least two (2) years and shall be available to the District upon request.

- 3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the District.
[District Rule 461 - Gasoline Transfer and Dispensing, District Regulation XIII - NSR]

- 4. The vapor vent pipes are to be equipped with Husky 5885 or Franklin Fueling Systems PV -Zero pressure relief valves, or as otherwise allowed by Executive Order (EO)-VR-301.
[EOExecutive Order VR-301]

- 5. The owner/operator must conduct tests on this equipment in accordance with the

~~requirements of CARB Executive Orders, VR-301 and G-70-116, no later than 60 days after modification/installation of vapor recovery system, and at least once every twelve (12) months using the latest adopted version of the required test procedures: shall perform the following tests within 60 days of construction completion and annually thereafter in accord with the following test procedures:~~

~~a.(a) Static Pressure Decay Test per CARB test method TP-201.3B (2-inch test);~~

~~b.(b) Liquid Removal Test (if applicable) per TP-201.6, and;~~

~~(c) Leak Rate and Cracking Pressure of Pressure/Vacuum Vent Valves per CARB test method TP-201.1E; and,~~

~~e.(d) Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations.~~

~~The District must be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Testing notifications and testing results may be sent to VaporRecoveryTesting@mdaqmd.ca.gov~~

~~[District Rule 461 - Gasoline Transfer and Dispensing, Executive Orders G-70-116 and VR-301]~~

~~The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests.~~

6. ~~6. The annual throughput of gasoline shall not exceed 60,000 ^[SH3] gallons per year. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the end of February of each year. Before this annual throughput can be increased the facility is required to submit to the District an application to modify the permit which may require a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required. The annual throughput of gasoline shall be less than 60,000 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accord with a District approved plan. In addition, public notice and/or comment period may be required.~~

~~[District Rule 1320 - NSR for Toxic Air Contaminants; District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A; Throughput Limit based on EVR Phase I Exemption from CARB CP-206][District Rule 204;~~

~~7. The owner/operator must 7. install and maintain all equipment in compliance with CARB Executive Orders VR-301 and G-70-116. The owner/operator must perform~~

the required maintenance as specified in ARB-Approved Installation and Maintenance Manual for the Phase I Vapor Recovery System, including PV maintenance, as applicable. Additionally, hanging hardware must be replaced with VST Balance EVR type hanging hardware during routine equipment change outs.

[District Rule 461 - Gasoline Transfer and Dispensing, Executive Orders VR – 301 and G-70-116, 40 CFR 63, Subpart CCCCCC]

~~The o/o shall; install, maintain, and operate this equipment in compliance with CARB Executive Order G-70-116-F, with the exception of the exterior coating and P/V valve configuration, which shall be in accordance with EO VR 301. Additionally, hanging hardware must be replaced with VST Balance EVR type hanging hardware during routine equipment change outs.~~

~~[District Rule 204]~~

8. Exterior coating and P/V valve retrofit shall occur no later than April 1, 2013. ; rRecords of these retrofits, coatings, and equipment shall be kept on site and available to State and District personnel upon request.

~~[District Rule 204; District Rule 461 - Gasoline Transfer and Dispensing]~~

[SH4]

EF. District Rule 461 Requirements –CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITIES:

~~1. Owner/Operator shall not sell or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.~~

~~[RuleDistrict Rule 432]~~

~~2.~~

1. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:

~~(a) The tank is equipped with a CARB Certified Submerged Fill Pipe.~~

~~(b) The vent pipe opening is equipped with a CARB Certified Pressure/Vacuum Relief Valve.~~

~~(c) The tank is equipped with a CARB Certified Vapor Recovery System capable of recovering or processing 98 percent (98%) of the displaced Gasoline Vapors.~~

~~(d) The Mobile Fueler is equipped with a CARB Certified Vapor Recovery System capable of recovering or processing 95 percent (95%) of the displaced Gasoline Vapors.~~

~~(e) All vapor return lines shall be connected between the tanks involved in the transfer. In addition, all associated hoses, fittings, and couplings shall be maintained in a Liquid Tight and Vapor Tight condition, as defined by the applicable CARB Certification and test procedures as referenced in section (G) of~~

~~this rule~~ District Rule 461.

- ~~(f)- The hatch on any tank truck, trailer, or railroad tank car shall not be opened for more than three (3) minutes for each visual inspection, provided that:~~
- ~~(i) -Transfer or pumping has been stopped for at least three (3) minutes prior to opening.~~
 - ~~(ii) -The hatch is closed before transfer or pumping is resumed.~~
- ~~(g)- Underground tank lines shall be gravity drained; in such a manner that upon disconnect no liquid spillage would occur. (a) Tank is equipped with a permanent submerged fill pipe, and~~
- ~~(b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and~~
 - ~~(c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part II, Section B, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.~~
 - ~~(d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.~~
 - ~~(e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and~~
 - ~~(f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:~~
 - ~~(i) All fill tubes are equipped with vapor tight covers, including gaskets; and~~
 - ~~(ii) All dry breaks have vapor tight seals and are equipped with vapor tight covers or dust covers; and~~
 - ~~(iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and~~
 - ~~(iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and~~
 - ~~(v) All storage tank vapor return pipes without dry breaks are equipped with vapor tight covers, including gaskets.~~
- ~~(h)- Aboveground storage tanks shall be equipped with Dry Breaks, such that liquid spillage upon disconnect shall not exceed 10 milliliters.~~
- ~~(i) Equipment subject to this section shall be operated and maintained, according to all of the following requirements:~~
- ~~(i)- All fill tubes shall be equipped with Vapor Tight covers,~~

including gaskets;

- ~~_____~~ (ii)- All Dry Breaks shall be equipped with Vapor Tight seals and dust covers;
- ~~_____~~ (iii) Coaxial fill tubes shall be operated and maintained so that there is no obstruction of vapor passage from any portion of the Vapor Recovery System;
- ~~_____~~ (iv)- The fill tube assembly, including fill tube, fittings and gaskets shall be maintained to prevent vapor leakage from any portion of the Vapor Recovery System; and,
- ~~_____~~ (v)- All storage tank or Mobile Fueler vapor return lines without Dry Breaks shall be equipped with Vapor Tight covers, including gaskets.
- ~~_____~~ (j)- Aboveground storage tanks subject to Phase I requirements must also comply with Standing Loss Control requirements as specified in the applicable CARB Executive Orders.
- ~~_____~~ (k)- Any time an underground storage tank is installed or replaced at any Gasoline Transfer and Dispensing Facility, a CARB Certified Spill Box shall be installed.
- ~~_____~~ (l)- A person shall not install or permit the installation of any Phase I Vapor Recovery System of the coaxial design at any Gasoline Transfer and Dispensing Facility unless such system was certified by CARB after January 1, 1994; and
- ~~_____~~ (m)- A person shall not install or permit the installation of any Phase I Vapor Recovery System of the dual-point design at any Gasoline Transfer and Dispensing Facility unless such system incorporates CARB Certified poppetted Dry Breaks or spring-loaded Vapor Check Valves on the vapor return coupler.
- ~~_____~~ (n)- The Owner/Operator of a new or Altered Gasoline Transfer and Dispensing Facility, involving exposure of underground storage tank and associated piping, shall have all underground storage tank installation and associated piping configuration inspected prior to any Backfilling to verify that all underground equipment is properly installed in accordance with the requirements specified in the applicable CARB Executive Order. The District shall be notified by telephone at least 24 hours prior to the Backfilling.
- ~~_____~~ [~~Rule~~District Rule 461 – Gasoline Transfer and Dispensing]

3. ~~A person~~The owner/operator shall not transfer, or permit the transfer or provide equipment for the transfer of Gasoline from a stationary storage tank or Mobile Fueler of greater than 120 gallons (454 liters) capacity, into any Mobile Fueler of greater than 120 gallons (454 liters) capacity or into any Motor Vehicle fuel tank of greater than 5 gallons (19 liters) capacity unless all of the following conditions are met:
- ~~_____~~ (a)- The dispensing unit used to transfer the Gasoline from the stationary storage tank or Mobile Fueler to the Motor Vehicle fuel tank is equipped with a CARB Certified Vapor Recovery System capable of recovering 95 percent (95%) of the displaced Gasoline Vapors, or having an emission factor not exceeding 0.38 pounds per 1,000 gallons.
 - ~~_____~~ (b)- The system and associated components shall be maintained Vapor Tight and Liquid Tight at all times.

- ~~(c) Each Balance-System nozzle is equipped with a CARB Certified Insertion Interlock Mechanism and a CARB Certified Vapor Check Valve which shall be located in the nozzle.~~
- ~~(d) Each Gasoline-dispensing nozzle is equipped with a coaxial hose as specified in the applicable CARB Executive Order.~~
- ~~(e) Dispensing nozzles shall be equipped with CARB Certified hold-open latches unless prohibited by local fire code and/or State Fire Marshall.~~
- ~~(f) Unless otherwise specified in the applicable CARB Executive Orders, all Liquid Removal devices installed for any Gasoline dispensing nozzle with a dispensing rate of greater than five gallons per minute shall be CARB Certified with a minimum Liquid Removal rate of five milliliters per gallon transferred.~~
- ~~(g) The breakaway coupling shall be CARB Certified. Any breakaway coupling shall be equipped with a poppet valve, which shall close and maintain both the Gasoline Vapor and liquid lines Vapor Tight and Liquid Tight when the coupling is separated. In the event of a separation due to a "drive-off", the Owner/Operator shall complete one of the following and document the activities pursuant to section (E) of this rule, for recordkeeping requirements:
 - ~~(i) Conduct a visual inspection of the affected equipment and perform qualified repairs on any damaged components before placing any affected equipment back in service. In addition, the affected equipment shall be tested in accordance to applicable test methods as specified in the applicable CARB Executive Orders and the corresponding CARB approved Installation, Operation and Maintenance manual and successfully passed prior to the affected equipment dispensing Gasoline into any Vehicle; or Owner/Operator shall not transfer, or permit the transfer, or provide equipment for the transfer of gasoline from the gasoline storage tank into any motor vehicle tank of greater than 19 liters (5 gallons) capacity unless:~~
 - ~~(ii) Conduct a visual inspection of the affected equipment and replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are CARB Certified, before placing any affected equipment back in service.~~~~
- ~~(a) The dispensing unit used to transfer the gasoline from the gasoline tank to the motor vehicle fuel tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board as capable of recovering 95% of the displaced gasoline vapors; and~~
- ~~(b) The vapor recovery system is operating in accordance with the manufacturer's specifications; and~~
- ~~(c) Equipment is operated and maintained with none of the following defects, pursuant to the definitions in California Administrative Code Section 94006, Subchapter 8, Chapter 1, Part III, of Title 17:
 - ~~(i) Torn or cut boots;~~
 - ~~(ii) Torn or cut face seals or face cones;~~
 - ~~(iii) Loose or broken retractors;~~
 - ~~(iv) Boots clamped or otherwise held in an open position;~~~~

- ~~(v) Leaking nozzles;~~
 - ~~(vi) Loose, missing, or disconnected nozzle components, including but not limited to boots, face seals, face cones, check valve wires, diaphragm covers and latching devices;~~
 - ~~(vii) Defective shutoff mechanisms;~~
 - ~~(viii) Loose, missing, or disconnected vapor fuel hoses and associated components including but not limited to flow restrictors, swivels and anti-recirculation valves;~~
 - ~~(ix) Crimped, cut, severed, or otherwise damaged vapor or fuel hoses;~~
 - ~~(x) Missing, turned off, or otherwise not operating assist type vapor recovery systems, or any components of such systems;~~
 - ~~(xi) Improper or non "CARB certified" equipment or components;~~
 - ~~(xii) Inoperative, severely malfunctioning or missing vacuum producing device;~~
 - ~~(xiii) Inoperative, loose, missing or disconnected pressure/vacuum relief valves, vapor check valves or dry breaks.~~
- ~~[Rule District Rule 461 – Gasoline Transfer and Dispensing District Rule 461]~~

4. Equipment subject to District Rule 461 (as listed in Part II, Section D above) must be operated and maintained with none of the defects listed in California Code of Regulations, Section 94006, Subchapter 8, Chapter 1, Part III of Title 17, as specified in the most recently adopted CARB "Vapor Recovery Equipment Defects List".
[District Rule 461 – Gasoline Transfer and Dispensing]
5. The owner/operator not supply, offer for sale, sell or install or allow the installation of any Vapor Recovery System or any of its components, unless the system and component are CARB Certified. Each Vapor Recovery System and its components shall be clearly and permanently marked with the qualified manufacturer's name and model number as certified by CARB. In addition, the qualified manufacturer's unique serial number for each component shall also be clearly and permanently marked for the dispensing nozzles. Any qualified manufacturer who Rebuilds a component shall also clearly and permanently mark the corresponding information on the component.
[District Rule 461 – Gasoline Transfer and Dispensing]
6. New Vapor Recovery Systems shall install CARB Certified equipment pursuant to the latest applicable Executive Order.
[District Rule 461 – Gasoline Transfer and Dispensing]
7. Vapor Recovery Systems used to comply with the provisions of this rule shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.
[District Rule 461 – Gasoline Transfer and Dispensing]
8. When deficiencies are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, the Owner/Operator shall at the End of Cycle remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as required to comply with the provisions of this rule and applicable

Executive Order(s)
[District Rule 461 – Gasoline Transfer and Dispensing]

~~Vapor processing or vapor recovery system used by Owner/Operator shall comply with all safety, fire, weights and measures, and other applicable codes and/or regulations.
[Rule District Rule 461]~~

~~5. Owner/Operator shall not install any new or rebuilt vapor recovery equipment unless the components and parts clearly identify by markings the certified manufacturing company and/or certified rebuilding company.
[Rule District Rule 461]~~

~~6. Vapor recovery system shall be at all times maintained in accordance with the manufacturer's specifications and the State's certification.
[Rule District Rule 461]~~

~~7. When problems or defects are detected and are associated with any vapor recovery, storage, delivery vessel or dispensing equipment, other than a breakdown of the central vapor incineration or processing unit, the Owner/Operator shall at the end of the cycle, as defined in Rule 461, remove the equipment from service and not use the equipment until it has been repaired, replaced or adjusted as necessary to remove the problem or defect.
[Rule District Rule 461]~~

~~8. Owner/Operator shall not perform or permit the "pump out" (bulk transfer) of gasoline from the gasoline storage tank unless such bulk transfer is performed using a vapor recovery system capable of returning the displaced vapors from the delivery vessel or other container being filled back to the gasoline storage tank. This vapor recovery is not required where the container is to be removed or filled with water for testing. For visual inspections, the requirements of Part II, Section B, condition B.3.d. are applicable.
[Rule District Rule 461]~~

~~9. Owner/Operator shall not store, or allow the storage of, gasoline in the gasoline storage tank unless the tank is equipped with a permanent submerged fill pipe and a certified vapor recovery system.
[Rule District Rule 461]~~

~~10. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461 as listed in Part II, Section B conditions. Such logs or records shall be maintained at the facility for a minimum of 5 years from the date the records were created and shall be made available to District, state or federal personnel upon request.
[40 CFR 70.6(a)(3)(ii)(B); Rule District Rule 1203(D)(1)(d)(ii); Rule District Rule 461; 40 CFR 70.6(a)(3)(ii)(B); Rule District Rule 1203(D)(1)(d)(ii)]~~

~~11. Owner/Operator shall maintain a daily log of product throughput for gasoline dispensing facility.~~

- ~~[Rule District Rule 461]~~
12. ~~Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part II, Section B conditions:~~
- ~~(a) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.~~
 - ~~(b) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.~~
 - ~~(c) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*".~~
 - ~~(d) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*".~~
 - ~~(e) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*".~~
- ~~[Rule District Rule 461]~~
13. ~~Compliance with the requirement of the Phase II system to be 95 % effective for the recovery of displaced vapors is considered to be demonstrated by maintaining equipment as specified in the applicable ARB Executive Order certifying the system and conditions listed in Part II, Section B conditions.~~
- ~~[Rule District Rule 461]~~
14. ~~Any records which are required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained on-site by the Owner/Operator for at least five (5) years from the date the records were created.~~
- ~~[40 CFR 70.6(a)(3)(ii)(B); Rule District Rule 1203(D)(1)(d)(ii)]~~
15. ~~Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions; the District's toll free telephone number for complaints and a District specified warning sign. The following is the toll free telephone number: 1-800-635-4617.~~
- ~~[Rule District Rule 461]~~
16. ~~Any modifications or changes to the piping or control fittings of the vapor recovery system requires prior approval from the MDAQMD.~~
- ~~[Rule District Rule 461]~~

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS;
EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING,
REPORTING AND TESTING REQUIREMENTS; COMPLIANCE
CONDITIONS; COMPLIANCE PLANS

Pursuant to District Rule 1203(D), all federally applicable requirements are identified for all permit units in Part III. Further, each applicable requirement includes a reference to the origin and authority for each term or condition. Unless otherwise noted, the origin and authority for each term or condition in Part III is as follows:

Rule District Rule 204 –Permit Conditions:

Provides for the authority of the APCO to impose written permit conditions. These conditions generally take the form of pertaining to the operation of and in accordance with manufacturer specs/recommendations and/or sound engineering principles.

Rule District Rule 401- Visible Emissions

Conditions related to opacity and opacity monitoring. In instances where opacity requirement is more stringent and stems from a specific District, State, or Federal Rule, that rule will be noted.

Rule District Rules 404 and 405- Particulate Matter- Concentration and Solid Particulate Matter- Weight

Requirement to meet PM emission standards and/or test for compliance with these PM standards

Non-BACT unit; requirement to vent to an air pollution control device

Periodic Monitoring:

Rule District Rule 1203(D)(1)(c)(ii)

General maintenance provisions

Monitoring provisions to demonstrate compliance with opacity and PM emission standards

Pressure differential recordings to demonstrate permit device is properly operated and maintained

Rule District Rule 1203(D)(1)(d)(ii)

Retention of all records for a period of at least five years

Regulation XIII- New Source Review (NSR)

Rule District Rule 1300- General- In addition to general requirements, ensures no net increase in emissions from a major source. Conditions referencing limitations on potential to emit (PTE) stem from this rule as do operating limitations imposed as part of initial permit review and not associated with prohibitive or source specific Rule District Rules.

Rule District Rule 1303-New Source Review –Imposes Best Available Control Technology Requirements and Emissions Offset Requirements (including ERC and SER). Conditions which

require BACT and/or offsets or limitations on PTE stem from this rule.

A. EQUIPMENT DESCRIPTION: TRONA PLANT:

1.- ~~MDAQMD PERMIT # B000448; PYROBOR PLANT FURNACE NO. 2, MDAQMD PERMIT # B000448—CONSISTING OF THE FOLLOWING EQUIPMENT:~~

DESCRIPTION--CAPACITY:

Screw Conveyor, #'s 2 & 3, calc. disc, 5 hp
Conveyor, Calc. Feed, 5 hp
Screw Conveyor, No. 2 Calc. Feed
Dryer, Rotary, # 2 Calc. 8' ID x 70', 30 hp ID fan 75 hp
Hopper, Feed Bin - 3.5 kVA Drag Feeder, 5 hp
Furnace # 2, North American Mfg Blower, 25 hp
FD Fan, North American Mfg Blower, 25 hp FD Fan cooling, 15 hp
Airlock, # 2 Calc Disch rotary, 1.5 hp Calciner Incline Disch Belt, 10 hp

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning electrostatic precipitator under valid District permit C002487.
[District Rule 204]

2.- ~~MDAQMD PERMIT # B000449; PYROBOR PLANT -FURNACE NO. 3, MDAQMD PERMIT # B000449—CONSISTING OF THE FOLLOWING EQUIPMENT:~~

DESCRIPTION--CAPACITY:

3 calciner feed conveyor, 5 hp
—Rotary Dryer # 3 Calciner, 40 hp
ID Fan, 75 hp
3 Furnace feed conveyor, 3 hp
Feed Bin Hopper - (3.5 kVA) Drag Chain Feed 5 hp
;# 3 Furnace North American Mfg. 25.3 Million Btu/hr
FD Fan, North American Mfg. Blower, 25 hp
FD Cooling Fan, 15 hp
Airlock # 3 Calciner Discharge Rotary 1.5 hp

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning electrostatic precipitator under valid District permit number C002487.
[District Rule 204]

3. ~~PYROBOR FURNACE ELECTROSTATIC PRECIPITATOR (ESP) EQUIPMENT DESCRIPTION; MDAQMD PERMIT # C002487:~~

DESCRIPTION/CAPACITY:

—48 collecting plates w/ 19,710 sq ft over 3 fields, 46,000 ACFM, 450 deg F and 27.5 in Hg; mfg by Environmental Elements Corp.:

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate and maintain this ESP in strict accord with the recommendations of the manufacturer/supplier and sound engineering principles.
[District Rule 204]
2. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District rules. This program shall include:
~~a.(a)~~— Monthly opacity readings
~~b.(b)~~— Regular maintenance inspections, with a frequency determined by experience with this equipment, and the frequency set by condition 3.
3. The o/o shall maintain an operations/maintenance log(s) for this equipment on site for at least five (5) years, and shall make the log available to District, State or Federal personnel upon request. This log shall include, at a minimum, the following:
~~a.(a)~~— Date and results of ~~monthly~~ opacity readings;
~~b.(b)~~— Date and result of maintenance inspections; ~~and,~~
~~e.(c)~~— Monthly Pyrobor process line production (tons);
(d) Daily primary/secondary voltage/ and current/precipitator readings (date and value);
(e) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 109;
(f) Annual inspection of ESP voltage and currents Annual internal inspections (date and result);
(g) Date and nature of any repairs made;
(h) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 8; and,
(i) Documentation of all compliance/source testing reports, as applicable, as referenced in condition 5.
[District Rule 204; 40 CFR 64]
4. This ESP shall operate concurrently with the Pyrobor Furnaces Nos. 2 and 3 under valid District permit numbers B000449 and B000448.
[District Rule 204]
5. The o/o shall conduct ~~annual~~ compliance tests at least once every twelve (12) months relative to District Rules 404 and 405, and for PM₁₀ ~~(at a 0.85 fraction of TSP)~~ (lb/ton of throughput).
—The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must

conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. The test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.

[District Rules 404, 405 and 1303(B)]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 18.5 tons per year combined (verified through source tests and Pyrobor process line production records on a rolling twelve month summary basis): C000489, C000509, C000513, C002487.
[District Rule 1303(B)]
7. The owner/operator must surrender to the District sufficient Emission Reduction Credits to offset the emissions from this equipment before the operation at the above levels. In accordance with Regulation XIII the operator shall obtain 15,193 pounds of PM₁₀, 1413 pounds of VOC, and 44 pounds of SO_x offsets.
[District Rule 1303(B)]
8. The pollutant-specific emissions units (B000448 and B000449), for which this ESP controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a primary/precipitator voltage/current/secondary power differential pressure outside the greater/less than range of 2 to 6-13.75AA kWkV; and/or, the presence of visible emissions, as demonstrated by condition 109. Any excursion of the CAM Plan requires the owner/operator to do the following:
 - (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 3.[40 CFR 64.7(d)]
9. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 3.
[40 CFR 64.7(a)]

4. **PYROBOR PLANT MILLING AND SCREENING—CONSISTING OF THE FOLLOWING EQUIPMENT; MDAQMD PERMIT # B000471:**

DESCRIPTION/CAPACITY:Capacity (hp) Description

1.0	star valve
1.5	screw conveyer
7.5	Pan Conveyor #3, 6'x40'
15.0	Cooling Fan #3
7.5	Elevator, #2 & #3 Glass Elevator, 60'
5.0	Cooling Roll #3, Pyro Glass Roll, 6' dia x 6' long
	Surge Bin, 2150 ft ³ Capacity
5.0	Mill Apron Feeder
5.0	Scalper Feed Screw
16.0	Scalping Screen, W.S. Tyler Co., 4' x 10', 2 surface, Type 38, Hummer Screen, w/two heavy duty V-50 Vibrators (2 @ 12 KVA
total) -(East)	
16.0	Scalping Screen, W.S. Tyler Co., 4'x10', 2 surface, Type 38, Hummer Screen, w/two heavy duty V-50 Vibrators (2 @ 12 KVA
total) (West)	
4.0	Screen, W.S. Tyler Co., 3'x10', 2 surface, Type 38, Hummer Screen, w/two vibrators (East)
4.0	Screen, W.S. Tyler Co., 3'x10', 2 surface, Type 38, Hummer Screen, w/two vibrators (West)
10.0	Conveyor, 20"x275' belt conveyor to silos
5.0	Conveyor, 18"x266'6" belt conveyor to silos
5.0	1, 2 & 3 Silos Screw Conveyors
10.0	Cooling Roll #2, Flaker chill roll glass cooler, 48" diam. X 48"
5.0	Pan Conveyor #2, 48"x17'3"
3.0	Cooling Conveyor #2, Carrier Natural Frequency conveyor screen, Model HT #3-36120S
30.0	Cooling Fan #2, American Blower Co., Type 106, size 23, 14350 cfm
5.0	Conveyor, 18" dia x 22'5" screw conveyor (scalping screen feed screw)
75.0	Hammer Mill, size 36x24, type B-3, swing hammer pulverizer
5.0	Hammer Mill Screw to #1 Mill Elevator
10.0	Mill Elevator #1, Chain Belt Co., 75'
10.0	Mill Elevator #2, Chain Belt Co., 42' (piggy back elevator)
2.0	Milltronics Magnetic Separator, 2 ea. @ 1 HP (scalper discharge)
5.0	Conveyor, #4, 14' dia. X 22' screw conveyor #4 silo
3.0	Silo Incline Belt Conveyor
5.0	Scale Belt Conveyor
1.0	Flux Vibrating Screen Flux Bagger
15.0	Ambient Air Fan
3.0	Air Chiller Feed Fan
5.0	Air Chiller

<u>50.0</u>	<u>Hammer Mill, Jeffrey Radar 3 0AB</u>
<u>5.0</u>	<u>Feed Screw, Hammer Mill 30/100</u>
<u>5.0</u>	<u>Discharge Screw, Hammer Mill 30/100</u>

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning baghouse under valid District permit C000513.
[District Rule 204]
2. The owner-/operator shall operate this equipment in strict accord with the manufacturer's ~~specification~~ specification and/or sound engineering principles.
[District Rule 204]
5. **PYROBOR MILLING AND SCREENING BAGHOUSE; MDAQMD PERMIT PERMIT CONDITIONS; PERMIT # C000513:**

DESCRIPTION/CAPACITY:

~~Flex Kleen model 84 UDC-648 pulse jet with 810 polyester bags of 8586 sq ft area;~~
4.1:1 ~~air to cloth ratio; gas flow 35600 ACFM @ 17 in w.g.;~~ air to cloth ratio; gas flow 35600 ACFM @ 17 in w.g.; 1 hp star valve and a 1.5 hp screw conveyor;

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer and/or sound engineering principles.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and provided to District, State or Federal personnel upon request.
[District Rule 204]
3. This baghouse shall be operated concurrently with the equipment under valid District permit B000471 (Pyrobor Milling & Screening).
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements.

- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7; and,
- (f) Documentation of all compliance/source testing reports, as applicable, as referenced in conditions 5.

~~[District Rule 204; 40 CFR 64]The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District rules. This program shall include, but not be limited to, monthly opacity readings, pressure differential measurements, and regular maintenance inspections. The results of the observations and inspections shall be logged with the log kept on site for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request.~~

5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be performed at least once every ~~three (3) year~~thirty-six (36) months starting in 1994, ~~and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.~~

~~-The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov~~

~~[District Rules 404, 405, and 1303(B)]~~

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 18.5 tons per year combined (verified through source tests and Pyrobor process line production records on a rolling twelve month summary basis): C000489, C000509, C000513, C002487.

~~[District Rule 1303(B)]~~

- ~~7. The pollutant-specific emissions unit (B000471), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 20.22 to 656 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:~~

- ~~(a) Inspect the affected equipment,~~
- ~~(b) Initiate a corrective action, within 24 hours; and,~~
- ~~(c) Report/Document the excursion in the log book required under condition 4.~~

~~[40 CFR 64.7(d)]~~

8. The o/o must conduct daily 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.
[40 CFR 64.7(a)]

6. _____ **PYROBOR STORAGE SILOS** _____
CONSISTING OF THE FOLLOWING _____
EQUIPMENT; MDAQMD

PERMIT # T003968:

_____ **DESCRIPTION/CAPACITY:** Description _____ Capacity (gallons)

Silo No. 1	64,165 <u>gallons</u>
Silo No. 2	64,165 <u>gallons</u>
Silo No. 3	58,149 <u>gallons</u>
Silo No. 4	506,654 <u>gallons</u>
Silo No. 5	78,200 <u>gallons</u>
Silo No. 6	463,690 <u>gallons</u>

PERMIT CONDITIONS:

1. These silos shall not be operated unless they are vented to the functioning air pollution control equipment covered by valid District permit C000489.
[District Rule 204]
2. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[District Rule 204]

7. **BAGHOUSE SERVING PYROBOR SILOS 1-6, ~~STACLEAN MODEL 121-12-A;~~**
MDAQMD PERMIT # C000489:

DESCRIPTION CAPACITY:

A Staclean Model 121-12-A

- _____ Design air Flow: 6,000 CFM @ 120 degrees F driven by a 15 HP Blower
- _____ 121 filter bags, 5 7/8 in. diameter & 12 ft. long, total cloth area is 2233 sq ft
- _____ Air to cloth ratio - 2.7 to 1
- _____ Inlet conditions - 51.6 gr/dscf concentration & 2,653 lb/hr mass loading
- _____ Outlet conditions - less than 0.1 gr/dscf concentration & less than 3 lb/hr mass emission:

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with the _____ recommendations of the manufacturer and/or sound engineering principles.
[District Rule 204]

2. The operating instructions shall be immediately available for use by the operator and provided to District, State or Federal personnel upon request.
[District Rule 204]
3. This baghouse shall be operated concurrently with the equipment under valid District permit T003968 (Pyrobor Storage Silos).
[District Rule 204]
4. The owner/operator (o/o) shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[District Regulation IV]
45. The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District rules. This program shall include, but not be limited to, monthly opacity readings, pressure differential measurements, and regular maintenance inspections. The results of the observations and inspections shall be logged with the log kept on site for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request.
[District Rule 204]
56. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ ~~(at a 0.85 fraction of TSP (lb/ton of throughput)) (lb/ton of throughput)~~. Testing shall be performed at least once every sixty (60) months~~five (5) years~~ starting in 1998.

–The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]
~~and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.~~
67. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 18.5 tons per year combined (verified through source tests and Pyrobor process line production records on a rolling twelve month summary basis): C000489, C000509, C000513, C002487.
[District Rule 1303(B)]
8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA

Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
[District Rule 204]

8. —————PYROBOR BULK LOADOUT FACILITY—CONSISTING OF THE FOLLOWING EQUIPMENT AND PERMIT CONDITIONS; MDAQMD PERMIT # B000467:

DESCRIPTION-/CAPACITY:

Elevator, Reclaim, Stephens - Adamson
Bucket Elevator - 55' 0" C to C, 8 hp
Conveyor, Belt - Bulk Loadout, 10 hp
Conveyor, Reclaim, 5 hp
Screen, Scalping, 1 hp

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning baghouse under valid District Permits C000509.
[District Rule 204]
2. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 18.5 tons per year combined (verified through source tests and pyrobor process line production records on a rolling twelve month summary basis): C000509.
[District Rule 1303(B)]

9. PYROBOR BULK LOADOUT FACILITY BAGHOUSE; CONDITIONS;
—————MDAQMD PERMIT # C000509;
—————Ultra Ind. Inc., Model No. SWQ-288-12 ARR III;

—————Capacity / Description:DESCRIPTION/CAPACITY:

Ultra Ind. Inc., Model No. SWQ-288-12 ARR III:

- Air flow: 22,200 acfm
- Filter area: 4,072 sq. ft.
- Maximum operating Temperature: 200 deg F.
- Air/Cloth ratio: 5.45 : 1
- Exhaust fan: Buffalo Forge Co., 60 hp motor, 1089 rpm, 22,000 acfm.
- Ancillary equipment: Two (2) screw motors, 1.5 hp each; one (1) star valve, 1.5 hp.

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with the recommendations of the manufacturer and/or sound engineering principles.

[District Rule 204]

2. The operating instructions shall be immediately available for use by the operator and provided to District, State or Federal personnel upon request.

[District Rule 204]

3. This baghouse shall be operated concurrently with the equipment under valid District permit B000467 (Pyro Bulk Loadout Facility).

[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- (a) Daily reading of baghouse pressure drop (date and value);
- (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
- (c) Annual bag and bag suspension system inspection (date and results);
- (d) Date of bag replacements,
- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7; and,
- (f) Documentation of all compliance/source testing reports, as applicable, as referenced in conditions 5.

~~[District Rule 204; 40 CFR 64]The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District rules. This program shall include, but not be limited to, monthly opacity readings, pressure differential measurements, and regular maintenance inspections. The results of the observations and inspections shall be logged with the log kept on site for a minimum of five (5) years. This log shall be provided to District, State or Federal personnel upon request.~~

5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ (at a 0.85 fraction of TSP) (lb/ton of throughput). Testing shall be performed at least once every ~~five-sixty (560) years-months~~ starting in 1994.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit.~~

[District Rules 404, 405, and 1303(B)]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 18.5 tons per year combined (verified through source tests and Pyrobor process line production records on a rolling twelve month summary basis): C000489, C000509, C000513, C002487.
[District Rule 1303(B)]

7. The pollutant-specific emissions unit (B000467), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 20.12 to 6406 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:
 - (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.[40 CFR 64.7(d)]

8. The o/o must conduct daily 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.
[40 CFR 64.7(a)]

10. **BORAX DRYER NO. 1—CONSISTING OF THE FOLLOWING EQUIPMENT AND PERMIT CONDITIONS; MDAQMD PERMIT # B000452:**

DESCRIPTION/CAPACITY:

DESCRIPTION / CAPACITY:

Link Belt Bucket Elevator, 7.5 hp
Standard Steel Co. Dryer, 20 hp
Drayer-Hanson Steam unit heater with Maxon Linoflame Gas Burner with Ventite Pilot Assembly, 0.445 million Btu/hr
Alameda Tank Co. Dryer, 20 hp
Dryer-Hanson Steam unit heater
Feed Bin, 345 cubic feet
Rex Carrier Vibrating Feeder, Model Ftp-24120, Twin Drive; 3 hp
Screw Conveyor common to #'s 1 & 2, 5 hp

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning scrubber under valid

District permit number C000546.

[\[District Rule 204\]](#)

11. BORAX DRYER #2 - CONSISTING OF THE FOLLOWING EQUIPMENT AND PERMIT CONDITIONS; MDAQMD PERMIT # B000453:

DESCRIPTION/CAPACITY:

CAPACITY DESCRIPTION:

DRYER, Consolidated Western Steel, 5'6" ID x 40'

Heater, Drayer- Hanson steam unit heater, with Maxon Linoflame Gas Burner with Ventite Pilot Assembly, 0.445 million Btu/hr

Forced Draft Fan, American Standard Centrifugal Fan, Type HS, Size 182, 4990 cfm @ 2.3 SP @ 1750rpm

Dryer, Standard Steel Co., 5'6" ID x 40'

Drayer – Hanson Steam Unit Heater

Conveyor, Rex Carrier Vibrating Feeder, Model FTP-24120, Twin Drive

Conveyor, 9" dia x 11'7" screw conveyor common to # 1 & # 2

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning scrubber under valid District permit C000546.

NOTE: Rating: 0.445 Million Btu/hr [43 hp x 2550 Btu/hr/hp] = 0.6 million Btu/hr.

[\[District Rule 204\]](#)

12. SCRUBBER SERVING BORAX DRYERS NO. 1 and NO. 2; –MDAQMD PERMIT # C000546:

DESCRIPTION/CAPACITY:

Ducon Multivane, Size 84, Model IV, Type L, 7' dia. x 20'; Scrubbing Liquor Pump, 7.5 hp; and Exhaust Fan 100 hp:

PERMIT CONDITIONS:

1. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and sound engineering principles.

[\[District Rule 204\]](#)

2. This scrubber shall be functioning whenever the Borax Dryers covered by District permit ~~B~~C000452 and ~~B~~C000453 are operating.

[\[District Rule 204\]](#)

3. [The o/o shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be at least once every thirty-six \(36\) months starting in 1994.](#)

[-The owner/operator must submit a compliance/source test protocol at least thirty \(30\) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten \(10\) days prior to the](#)

~~compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. The owner/operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be every three [3] years starting in 1994 and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

~~[District Rules 404 and 405]~~

13. ~~**BORAX SCREENING; MDAQMD PERMIT # B000490—Consisting of the following equipment ;:**~~

~~**BORAX SCREENING OPERATION—Consisting of the following equipment:**~~

~~**DESCRIPTION/CAPACITY:**~~

Capacity	Equipment Description
5.0	Conveyor, feed
2.0	Pan Conveyor, feed
2.0	Hummer Screen
3.0	Rotex Screen
1.5	Derrick Screen, Model F36-126D-3DD
5.0	Screen discharge screw, production
<u>5.0</u>	Screen discharge screw, oversize
23.5	

~~PERMIT CONDITIONS:~~

- ~~1. This equipment shall not be operated unless Baghouse permitted on District permit C000488 is in place and functioning.
[\[District Rule 204\]](#)~~
- ~~2. This equipment shall be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[\[District Rule 204\]](#)~~

14. ~~**BORAX SCREENING OPERATIONS BAGHOUSE EQUIPMENT DESCRIPTION; MDAQMD PERMIT # C000488:**~~

~~**DESCRIPTION/CAPACITY:**~~

~~Sly Dust Collector, Model 24A converted to sock type using Mikro Pulsaire, Model 432 K-8-TRH, "A" Style Special Design.~~

~~PERMIT CONDITIONS:~~

- ~~1. The owner/-operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[\[District Rule 204\]](#)~~

2. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.

[District Rule 204]

3. This baghouse shall operate concurrently with the Borax Screening Equipment under valid District permit B000490.

[District Rule 204]

4. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.

[District Rule 204]

5. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be conducted at least once every ~~five-sixty (560) years-months~~ starting in 1990.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

[District Rules 404 and 405]

- ~~6. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.~~

~~[District Rule 204]~~

15. **BORAX BULK LOADOUT; MDAQMD PERMIT # B000466; ~~Consisting of the following equipment:~~**

DESCRIPTION/CAPACITY:

CAPACITY DESCRIPTION:

Conveyor, 18" x 100', 2 5/8" C to C belt conveyor, 3 hp
Conveyor, 18" x 67', 8 15/16" C to C belt conveyor, 3 hp
Product Elevator, 10 hp

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning baghouse under valid District permit C000508 and C000518.

[District Rule 204]

**16. BORAX BULK LOADOUT BAGHOUSE; MDAQMD -PERMIT # C000508;
consisting of the following equipment::**

DESCRIPTION/CAPACITY:

W.W. Sly Co., #12A Dynaclone Dust Collector, Bag Type, SN H5635A:

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

[District Rule 204]

2. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.

[District Rule 204]

3. This baghouse shall operate concurrently with the Borax Sacking/Bulk Loadout equipment under valid District permit B000466.

[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 7;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 6.

[District Rule 204; 40 CFR 64]

~~The owner/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensure compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of~~

~~data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.~~

5. The owner/-operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be conducted at least once every ~~five-sixty (605)~~ months starting in 1994.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

~~[District Rules 404 and 405]~~

6. ~~The pollutant-specific emissions unit (B000466), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 20.12 to 6640 inches of column; and/or the presence of visible emissions, as demonstrated by condition 7. Any excursion of the CAM Plan requires the owner operator to do the following:~~
- ~~(a) Inspect the affected equipment,~~
 - ~~(b) Initiate a corrective action, within 24 hours; and,~~
 - ~~(c) Report/Document the excursion in the log book required under condition 4.~~
- ~~[40 CFR 64.7(d)]~~

7. ~~The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.~~
- ~~[40 CFR 64.7(a)]~~

17. ~~**BORAX SHIPPING ELEVATOR BAGHOUSE;**~~ ~~_____~~ ~~**MDAQMD PERMIT # C000518; consisting of the following equipment:**~~
~~_____~~ ~~**DESCRIPTION/CAPACITY:**~~

Sly Dust Collector, Model 24A converted to a sock type using Mikro Pulsair, Model 432 K-8-TRH, "A" Style Special Design:

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
 2. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
 3. This baghouse shall be operated concurrently with the Borax Sacking/Bulk Loadout equipment under valid District permit B000466.
[District Rule 204]
 4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 7;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 6.[District Rule 204; 40 CFR 64]
- ~~The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.~~
5. The owner/operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be conducted at least once every sixty (60) months.
The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404 and 405]

~~This equipment does not require a regularly scheduled emission compliance test. However,~~

- ~~emission compliance testing may be required at the discretion of the District.~~
6. ~~The pollutant-specific emissions unit (B000466), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 0-12 to 106 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 7. Any excursion of the CAM Plan requires the owner operator to do the following: An excursion of the CAM Plan is defined as the presence of visible emissions, as demonstrated by condition 7. Any excursion of the CAM Plan requires the owner operator to do the following:~~
- ~~(a) Inspect the affected equipment,~~
 - ~~(b) Initiate a corrective action, within 24 hours; and,~~
 - ~~(c) Report/Document the excursion in the log book required under condition 4.~~
- ~~[40 CFR 64.7(d)]~~
7. ~~The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.~~
- ~~[40 CFR 64.7(a)]~~

**18. BORIC ACID DRYER & PRODUCT TRANSFER/STORAGE EQUIPMENT;
MDAQMD PERMIT # B000480; consisting of the following equipment:**

~~The rating for this equipment is calculated assuming one horsepower is equivalent to 2550 Btu.~~

DESCRIPTION/CAPACITY:

Capacity / Description

- 0.1 Dryer Forced Draft Fan (2 hp)
- 24.2 Dryer (2.42 million Btu/hr)
- 0.1 Gas Burner Fan (5 hp)
- 0.1 Redler Conveyor (5 hp)
- 0.0 Dryer Cyclone Airlock (1 hp)
- 0.1 Production Belt (2 hp)
- 0.0 Scalper Screen (1 hp)
- 0.1 Reject Redler (2 hp)
- Two Airlocks (N-59 and N-60)
- 0.1 Heat Exchanger Cooling Water Pump (5 hp)
- 0.0 Heat Exchanger level Control Actuator (1 hp)

~~The rating for this equipment is calculated assuming one horsepower is equivalent to 2550 Btu.~~

PERMIT CONDITIONS:

1. The dryer and product transfer equipment shall be operated concurrently with the control equipment covered by valid District permits C000516 and C001978, respectively.
[District Rule 204]
2. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[District Rule 204]
3. The owner/operator shall operate the baghouse C001761 and C001685 concurrently with the N-59 & N-60 airlocks of the Boric Acid process train.
[District Rule 204]

19. BORIC ACID SCRUBBER; MDAQMD PERMIT # C000516; consisting of the following equipment:

DESCRIPTION/CAPACITY:

Ducon, Multivane, Size 58, 56" Dia. X 15' H, W/ Robinson Id Fan, 75 Hp & 12,000 Cfm @ 1,140 Rpm, 14.5" Wc, Operating At An Inlet Temperature Of Approximately 170-220 F

PERMIT CONDITIONS:

1. This scrubber shall be functioning whenever the Boric Acid ~~Process~~Dryer covered by District permit B000480 is operating.
[District Rule 204]
2. The owner/operator (o/o) shall operate this control equipment in strict accord with the manufacturer's specification and/or sound engineering principles.
[District Rule 204]
3. The o/o shall conduct periodic compliance tests relative to District Rules 404 and 405, and to establish PM10 emissions at a 0.85 fraction of TSP -(lb/ton of throughput). Testing shall also be conducted for NOx, SOx and VOC. Initial testing shall be conducted within 180 days after the Boric Acid Production increase modifications are complete. Initial test results shall be submitted to the District no later than 90 days after test completion. Thereafter, testing shall be performed at least once every thirty-six (36) monthsthree (3) years.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov Those test results shall be submitted to the District no later than six (6) weeks prior to the expiration date of this permit in those years applicable.

-[District Rules 404, 405, and 1303(B)]

4. The combined emissions from this equipment, and the equipment permitted by valid District permits; C001685, C001761, and C001978, shall not emit PM-10 (at a 0.85 fraction of TSP) in excess of 2.62 tons per year. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve-month summary basis.
[\[District Rules 404, 405, and 1303\(B\)\]](#)
5. Emissions from this device shall not exceed the following maximum amounts. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve month summary basis.
~~a.~~(a)- NOx: 1.35 tons/year
~~b.~~(b)- SOx: 0.20 tons/year
~~e.~~(c)- VOC: 0.15 tons/year
[\[District Rule 1303\(B\)\]](#)
6. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse scrubber pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable. Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements and nature of any repairs, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.[\[District Rule 204; 40 CFR 64\]](#)
7. The pollutant-specific emissions unit (B000480), for which this scrubber baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 252 to 646 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:
 - (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 6.[\[40 CFR 64.7\(d\)\]](#)
8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate

corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.
[40 CFR 64.7(a)]

**20. BAGHOUSE FOR ~~(BORIC ACID DRYER CONVEYOR ROOM AND PRODUCT COOLER; MDAQMD PERMIT # C001978; consisting of the following~~
equipment:**

DESCRIPTION/CAPACITY:

D.L.C. Baghouse, Model No. Dcvb-1526, With 250 Sq. Ft. Of Bags Served By A 5 Hp@ 1800 Rpm Fan Motor Generating 1250 Cfm@6" S.P., Operating At Ambient Temperature, Serving The Boric Acid Dryer Conveyor Room And Boric Acid Product Cooler.

PERMIT CONDITIONS:

1. This baghouse shall operate concurrently with the Boric Acid product transfer equipment covered by District permit B000480.
[District Rule 204]
2. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
3. The operating instructions shall be immediately available for use by the operator and provided to District personnel upon request.
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications, which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District personnel on request.

45. The o/o shall conduct periodic compliance tests relative to District Rules 404 and 405, and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Initial testing shall be conducted within 180 days after the Boric Acid Production increase modifications are complete. Initial test results shall be submitted to the District no later than 90 days after test completion. Thereafter, testing shall be performed once every sixty (60) months~~five (5) year~~.

~~s-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov, and those test results shall be submitted to the District no later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

[District Rules 404, 405 and 1303(B)]

56. The combined emissions from this equipment, and the equipment permitted by valid District permits; C000516, C001685, and C001761, shall not emit PM-10 (at a 0.85 fraction of TSP) in excess of 2.62 tons per year. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve-month summary basis.

[District Rule 1303(B)]

7. The pollutant-specific emissions unit (B000480), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ± 20.1 to 6 inches of column; and/or the presence of visible emissions, as demonstrated by condition 408. Any excursion of the CAM Plan requires the owner operator to do the following:

(a) Inspect the affected equipment,

(b) Initiate a corrective action, within 24 hours; and,

(c) Report/Document the excursion in the log book required under condition 4.

[40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

21. BAGHOUSE FOR, BORIC ACID LOADOUT; MDAQMD PERMIT # C001761:

DESCRIPTION/CAPACITY:

~~The~~ DLC Dust Collector, Model 5-250-25-84s, W/ 20 Hp Id Fan, 0.75 Hp Star Valve Type Air Lock, Operating At Ambient Temperature.

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
~~–[BACT~~District Rule 1303(A)]

2. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 7;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 6.~~[District Rule 204; 40 CFR 64]The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations to ensure compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data shall be required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request.~~

3. This Baghouse shall be in operation at all times the Boric Acid Loadout/Bagging Facility (B001760), the N-59 and N-60 airlocks (B000480) and the Boric Acid Silo (T002133) are in operation. The operating instructions shall be immediately available for use by the operator and be provided to District personnel upon request.

4. The o/o shall conduct periodic compliance tests relative to District Rules 404 and 405, and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Initial testing shall be conducted within 180 days after the Boric Acid Production increase modifications are complete. Initial test results shall be submitted to the District no later than 90 days after test completion. Thereafter, testing shall be performed at least once every sixty (five60) (5) yearsmonths;

~~–The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all~~

required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and those test results shall be submitted to the District no later than six (6) weeks prior to the expiration date of this permit in those years applicable.

[District Rules 404, 405 and 1303(B)]

5. The combined emissions from this equipment, and the equipment permitted by valid District permits; C000516, C001685, and C001978, shall not emit PM-10 (at a 0.85 fraction of TSP) in excess of 2.62 tons per year. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve-month summary basis.

[District Rule 1303(B)]

6. The pollutant-specific emissions unit (B000480), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 20.12 to 6 inches of column; and/or the presence of visible emissions, as demonstrated by condition 7. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 2.

[40 CFR 64.7(d)]

7. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 2.

[40 CFR 64.7(a)]

22. **BAGHOUSE FOR, BORIC ACID STORAGE; MDAQMD PERMIT # C001685;**
Consisting of the following equipment;

DESCRIPTION/CAPACITY:

Aeropulse, Model Pr-16-10-H, 16 Bags, Ea 4 1/2" Dia X 10' Long, 188.5 Sq Ft Area, A/C Ratio 5.2 To 1 @ 1000 ~~Aefmacfm~~, 0.5hp Star Valve & 2.0hp Screw Conveyor With 5.0 Hp Exhaust Fan, Operating ~~At at~~ Ambient Temperature.

PERMIT CONDITIONS:

1. This baghouse shall operate concurrently with the the N-59 and N-60 airlocks covered by District permit B000480.
[District Rule 204]

2. The owner/operator (o/o) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]

3. The operating instructions shall be immediately available for use by the operator and provided to District personnel upon request.
[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.[District Rule 204; 40 CFR 64]

~~The o/o shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications, which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District personnel on request.~~

5. The o/o shall conduct periodic compliance tests relative to District Rules 404 and 405, and to establish PM10 emissions- (at a 0.85 fraction of TSP) (lb/ton of throughput). Initial testing shall be conducted within 180 days after the Boric Acid Production increase modifications are complete. Initial test results shall be submitted to the District no later than 90 days after test completion. -Thereafter, testing shall be performed at least once every sixty (60) months.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45)

days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405 and 1303(B)]

~~4. — Thereafter, testing shall be performed once every five (5) years, and those test results shall be submitted to the District no later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

56. The combined emissions from this equipment, and the equipment permitted by valid District permits; C000516, C001761, and C001978, shall not emit PM-10 (at a 0.85 fraction of TSP) in excess of 2.62 tons per year. Verification shall be accomplished through source tests and Boric Acid process line production records on a rolling twelve-month summary basis.

[District Rule 1303(B)]

7. The pollutant-specific emissions unit (B000480), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 220.4 to 6 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
- (b) Initiate a corrective action, within 24 hours; and,
- (c) Report/Document the excursion in the log book required under condition.

[40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 24.

[40 CFR 64.7(a)]

23. BORIC ACID LOADOUT AND SACKING EQUIPMENT; MDAQMD PERMIT # B001760; Consisting of the following equipment:

DESCRIPTION/CAPACITY:

Capacity	Equipment Name
75.00	Boric Acid Mill
2.50	Feeder
3.00	Recycle Screen Conveyor
5.00	Elevator
7.50	Crusher
5.00	Conveyor to Elevator

Capacity	Equipment Name
10.00	Conveyor, Redler inclined
3.00	Screen
5.00	Sacking Station
10.00	Elevator
2.00	Loadout Spout

PERMIT CONDITIONS:

1. This equipment shall not be operated unless the Baghouse permitted on District permit _____C001761 is in place and functioning.

[District Rule 204]

2. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.

[District Rule 204]

24. BORIC ACID STORAGE SILO-; MDAQMD PERMIT # _____T002133-;

Consisting of the following equipment:

DESCRIPTION/CAPACITY:

- 38,500 Gallon tank with direct loadout to railcars; 2 hp Vibrator, 5 hp Screw Motor, 2 _____Loadout Movers @ 0.75 hp each:

PERMIT CONDITIONS:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.

[District Rule 204]

2. Transfer of materials to or from this tank shall not be attempted unless the appropriate functional particulate removal system (District permit C001761) is concurrently operated.

[District Rule 204]

2. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.

25. _____CARBON REGENERATION FURNACE, HERRSCHOFF; MDAQMD PERMIT # _____B001757-; Consisting of the following equipment:

DESCRIPTION/CAPACITY:

- _____Carbon Regeneration for Boric Acid Process, four (4) Eclipse Combustion Burners, Type _____624 PM, each rated @ 550,000 Btu/hr max output for a total of 2.2 million Btu/hr:

PERMIT CONDITIONS:

1. The owner/-operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[\[District Rule 204\]](#)
2. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.
[\[District Rule 204\]](#)

26. LIQUID/LIQUID EXTRACTION PROCESS (LLX); MDAQMD PERMIT # B001916:

DESCRIPTION/CAPACITY:

Capacity — Equipment Description

50	No. 1 Brine Feed Pump (50 Hp)
0	No. 2 Brine Feed Pump (Standby - 50 Hp)
20	Loading Mixers; Two (2) @ 10 Hp Each
50	West Barren Extractant Transfer Pump (50 Hp)
50	East Barren Extractant Transfer Pump (50 Hp)
25	No. 4 Stripping Mixer (25 Hp)
25	No. 5 Stripping Mixer (25 Hp)
30	No. 5 Stripping Settler, Two (2) Pumps, 10 Hp & 20 Hp
25	No. 4 Stripping Mixer (25 Hp)
25	No. 3 Stripping Mixer (25 Hp)
20	No. 1 Stripping Mixers, One (1) @ 15 Hp, One @ 5 Hp
40	No. 2 Stripping Mixers, Two (2) @ 20 Hp Each
25	F.S.S. Settler Pump (2 @ 25 Hp, One Is Standby)
3	P-20 Storage Circulation Pump (3 Hp)
2	Llx Kerosene Pump (2 Hp)
1	P-20 Kerosene Pump (1 Hp)
12.5	Sulfuric Acid Pumps, One (1) @ 7.5 Hp, One (1) @ 5 Hp
10	P-20 Pit Sump Pump (10hp)
10	South Pit Sump Pump (10 Hp)
40	Sump Pumps, Three (3); #1 & #2 (Spare), 30 Hp Each; #3, 10 Hp
10	North Pit Sump Pump (10 Hp)
720	Induced Gas Flotation Units, Wemco's Three (3) Each W/ Four (4) 60 Hp Agitators
75	Spent Brine Pumps (2 @ 75 Hp, One Is Standby)
125	Centrifugal Fans (2 @125 Hp, One Is Standby)
0	Wemco Recycle Tank, 10,000-Gallon Effluent Brine

— Recovers the boron fraction from lake brine for conversion to boric acid. The process consists of a series of mixers and settlers. The loading mixers provide for the contact of brine, a proprietary organic reactant (P-20) and kerosene for specified times. Outputs from the LLX Basin include boric acid solution and partially depleted brine. The unit is equipped with Induced Gas Flotation Units (Wemcos) to strip residual kerosene from the partially depleted brine before it is returned to Searles Lake. Kerosene stripping is increased by the introduction

of 40 psig plant steam into the Wemcos. A vapor collection system is connected to the process settlers and the Wemcos, which conveys the vapors to Boilers 25 & 26 for combustion:

PERMIT CONDITIONS:

1. The daily loss of kerosene (as NMHC) to the atmosphere due to evaporation shall not exceed 485.6 pounds per day.
 - a. ~~(a)~~ The Flotation/Air Strip Project (F/ASP) will collect the vapors from the settlers and the Induced Gas Flotation Units (Wemcos) and they will be conveyed to the Argus boilers (25 & 26) for combustion except when operating in accordance with Conditions 7a. or 7b.
 - b. ~~(b)~~ The Wemcos will remove kerosene from the effluent for recycling before it is returned to the Searles Lake.
 - c. ~~(c)~~ Therefore, the loss of kerosene due to evaporation is that amount contained in the ~~_____~~ effluent and returned to the settling ponds on the Searles Lake.
 - d. ~~(d)~~ For purposes of permit conditions, kerosene shall be estimated to be 100 percent NMHC.

2. The F/ASP requires that negative pressure be maintained on the LLX basin settlers. The minimum vacuum shall be 0.2" wc.
 - a. ~~(a)~~ Magnahelic gauges or manometers (Max. range of 1" wc) shall be installed on all ~~_____~~ of the settler vacuum pickup lines. Operators shall record readings from these gauges for each shift of operation.
 - b. ~~(b)~~ The gas flow rate from the LLX basin to the boilers shall be maintained above 5000 cfm. Operators shall record this flow rate for each shift of operation. The ~~—~~ minimum required flow rate of 5000 cfm should be indicated on the log sheet, for reference by the operators.
 - c. ~~(c)~~ All inspection doors and covers on the air stripping and gas collection system ~~_____~~ shall be kept closed, except during essential maintenance.
 - d. ~~(d)~~ The seals on the loading mixer launders and the inspection doors, plus the covers on the air stripping and gas collection system shall be inspected on a monthly basis to ensure that they are maintained in good working condition. A log sheet of the monthly inspection shall be maintained.
 - e. ~~(e)~~ The containment pit surrounding the LLX basin shall be properly maintained such that any spills or leaks can be readily detected.

3. A daily composite of spent brine being returned to the Searles Lake shall be collected and analyzed for concentration of kerosene. The composite shall contain a minimum of one sample taken during each shift and USEPA Method 8015 shall be used for the analyses.

4. If any kerosene other than Calumet 142, EXXSOL D 60 or Shell Solvent 142 HT is to be used in this process, prior written approval from the District shall be obtained.

5. The amount of kerosene being sent to the Searles Lake shall be collected and analyzed for concentration determined in item 3 above and the flow rate of the effluent entering

the LLX Basin. If the maximum allowable daily loss is exceeded, the District Compliance Supervisor shall be notified not later than the day following the exceedance.

6. Logs shall be maintained which include but are not limited to the following:
- ~~a. (a)~~ The readings from the Magnahelic gauges or manometers per item 2a above.
 - ~~b. (b)~~ The gas flow rates from the Basin to the Boilers per item 2b above.
 - ~~c. (c)~~ Results of monthly inspection of seals and covers per item 3 above.
 - ~~d. (d)~~ Results of daily analyses for the kerosene concentration per item 3 above.
 - ~~e. (e)~~ The daily flow of the effluent into the Wemcos.
 - ~~f. (f)~~ The daily amount of kerosene in pounds being sent to Searles Lake.
 - ~~g. (g)~~ Daily estimated emissions of VOC into the atmosphere from all equipment covered by this permit.

This information shall be maintained on site for a minimum of five (5) years and be provided to District, state or federal personnel upon request.

7. The vapors are collected in accordance with Condition 1a may be vented to the atmosphere:
- ~~a. (a)~~ When both boilers 25 & 26 have a planned outage at the same time. The District ~~must~~ be notified in writing of the scheduled outage 30 days in advance. The owner / operator shall state what the facilities expected emissions will be while under this mode of operation.
 - ~~b. (b)~~ When there is an emergency shutdown of both boilers 25 and 26 at the same time. The District is to be notified per Rule 430 of the breakdown. The owner / operator is to notify the District in writing within ten (10) working days after normal operation is resumed giving the net effect upon emissions while in this mode of operation.
8. NMHC emitted to the atmosphere from this equipment, when added to the NMHC emissions from Boiler No. 25 (B000555) and Boiler No. 26 (B000554), shall not exceed 773.6 pounds per day.

27. **CRUD TREATMENT; MDAQMD PERMIT # C002465; ~~consisting of the following:~~**

DESCRIPTION/CAPACITY:

Capacity — Equipment Description

- 0 T-101 10,000 GALLON Crud Treatment Tank; 12' dia. 45 degree conical bottom, 11' 1" straight side, carbon steel with fiberglass reinforced plastic (FRP) lining; agitator has four 3" baffles, removable cover.
- 0 — T-102 Identical to T-101.
- 0 — T-103 Bleed off Tank identical to T-101
- 0 — SE-101 Separator; 1,000 gallons

0	————	SP-101 Seal Pot; 3' dia., 3' h, open pot
0	————	SP-102 Same as SP-101
0	————	SP-103 Same as SP-101
10	————	AG-101 Alloy 20, dual impeller (66" dia.) agitator for Crud Treatment tank, T-101
10	————	AG-102 Same as AG-101, used for T-102
3	————	P-102 Aqueous Pump, 100 gpm, 1725 rpm
1.5	————	P-103 Fee Transfer Pump, 100 gpm, 1800 rpm
3	————	P-104 50% Caustic Pump, 10 gpm, 3515 rpm, 316 s.s.
15.5	————	P-105 Sump Pump, 100 gpm, 1755 rpm, CD4M-CU

PERMIT CONDITIONS:

1. The owner-/operator shall operate and maintain this equipment in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
[District Rule 204]
2. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit was issued unless noted otherwise.
[District Rule 204]
3. The owner / operator shall maintain a record of repairs and maintenance on this equipment and submit it to the District, state or federal personnel upon request. The record shall be retained for a minimum period of five (5) years.
[District Rule 204]

28. P-20 MANUFACTURING, LLX BASIN; MDAQMD PERMIT # B001758;
consisting of the following:

DESCRIPTION/CAPACITY:

————A proprietary and confidential chemical process. A copy of the process is on file at the
————District. The process includes numerous tanks, 12 electric motors for pumps and agitators. Total rating: 90.0 hp:

PERMIT CONDITIONS:

1. This equipment shall not be operated unless the off gas scrubber permitted on District permit C001759 is operating.
[District Rule 204]
2. This equipment shall be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[District Rule 204]

29. SCRUBBER FOR; OFF GAS, P-20 MFG., LLX BASIN; MDAQMD PERMIT #
C001759; consisting of the following:

————DESCRIPTION/CAPACITY:

Stack, 6" diameter & 31' high, flow rate 67 acfm, velocity 5.7 ft/sec, @ 63 degrees F, 1.5 hp pump and 1 hp fan:

PERMIT CONDITIONS:

1. This scrubber is to be functioning any time the P-20 manufacturing facility permitted with the District permit B001758 is operating.
[\[District Rule 204\]](#)
2. The owner/-operator shall operate and maintain this equipment in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
[\[District Rule 204\]](#)
3. This equipment does not require a regularly scheduled emission compliance test. However, emissions compliance testing may be required at the discretion of the District.
[\[District Rule 204\]](#)

30. BORIC OXIDE PLANT; MDAQMD PERMIT # B003343: ~~Consisting of the following equipment:~~

DESCRIPTION/CAPACITY:

<u>Capacity</u>	<u>Description</u>
	Hopper
3.0	— Furnace Feed Screw
	— Furnace & Hot Gas Duct, 3 million Btu/hr
3.0	— F D Fan
2.0	— Chill Rolls
5.0	— Vibrating Conveyor
5.0	— Grinder
	— Magnet, permanent
2.0	— Glass Elevator
0.5	— Sweco screen
	— Bagging Station
2.0	— Lifting motor
0.33	— Grinder feeder
10	— Grinder

27.8333 HP Total

PERMIT CONDITIONS:

1. The Boric Oxide Plant shall not be operated unless it is vented to the functioning air pollution control equipment covered by valid District permit C003344.
[\[District Rule 204\]](#)
2. This equipment shall only be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles.
[\[District Rule 204\]](#)
3. In the event that visible dusting is observed from the new (finer Material) grinder, the District shall require that new equipment be appropriately ducted to the existing venturi

scrubber (C003344) serving Boric Oxide Plant.
[District Rule 204]

31. CONVEYOR, MOBILE; MDAQMD PERMIT # B003430; consisting of the following:

DESCRIPTION/CAPACITY:

A transloading conveyor manufactured by Yuba City Steel, Serial Number 114158, open, 35' long with a Honda 18 hp gasoline power source, Model 18S.

PERMIT CONDITIONS:

1. The o/o shall operate and maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

32. SCRUBBER, BORIC OXIDE VENTURI; MDAQMD PERMIT # C003344; consisting of the following:

DESCRIPTION/CAPACITY:

15 hp pump; 25 hp fan, operating @ 1500fpm & 3000 acfm; 20" diameter & 45' high stack @ 120 degrees F:

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
3. This scrubber shall operate concurrently with the Boric Oxide Plant operating under valid District permit B003343.
[District Rule 204]
4. The owner-/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
[District Rule 204]
5. The owner-/operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be conducted at least every thirty-six (36) months~~three (3) years~~ starting in 1993.

~~The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

~~[District Rules 404 and 405]~~

33. CONVEYOR, TRANSLOADING; MDAQMD PERMIT # B004762; consisting of the following:

~~DESCRIPTION/CAPACITY:~~

Wilson Mfg. And Design, Model 219, SN 9961122-131; design loading rate: 85 tons/hr.

~~Capacity~~ ~~Equipment Description~~

~~1~~ ~~Motor, Exhaust Fan~~

~~10~~ ~~Motor, Conveyor~~

~~10~~ ~~Motor, Hydraulic Unit~~

~~0~~ ~~Baghouse; DCE Vokes, Model 100, w/ A/C ratio 6.5 : 1~~

PERMIT CONDITIONS:

1. The owner-/operator shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
~~[District Rule 204]~~
2. The owner-/operator shall install and maintain instruments which allow measurements of the pressure differential across the bags. The owner / operator shall only operate this equipment when the pressure differential is in the range specified by the manufacturer / supplier.
~~[District Rule 204]~~
3. The owner-/operator shall maintain an inventory of replacement bags on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
~~[District Regulation IV]~~
4. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit was issued unless noted otherwise.
~~[District Rule 204]~~
5. The owner-/operator shall not operate this equipment in violation of District Rules 401, 402, and 403 nor any time the baghouse is nonoperational.
~~[District Rules 401, 402, and 403]~~

34. —CONSOLIDATED PACKAGING & WAREHOUSING FACILITY; MDAQMD
PERMIT # B003655; consisting of

the following:

<u>Capacity</u>	<u>Equipment Description</u>
<u>DESCRIPTION/CAPACITY:</u>	
<u>2</u>	<u>Conveyor #1; Car Withdrawal, 14'8" X 24"</u>
<u>3</u>	<u>Conveyor #2; Transfer; 85' X 18"</u>
<u>3</u>	<u>Conveyor #3; Reversible, 19' X 18"</u>
<u>0</u>	<u>Bin #1; Feed, 5 Tons</u>
<u>15</u>	<u>Packer #1; Bemis Series 5505, Two Blowers @ 7.5 Hp Each</u>
<u>0</u>	<u>Placer #1; Dual Spout Bag, Bemis Series 5526</u>
<u>1</u>	<u>Conveyor #1; Packer</u>
<u>1</u>	<u>Conveyor #1; Bag Turning</u>
<u>1</u>	<u>Conveyor #1; Trafficking</u>
<u>0</u>	<u>Bin #4; Feed (Super Sack Filler), 5 Tons</u>
<u>2</u>	<u>Conveyor #4, Car Withdrawal 14' 8" X 24"</u>
<u>3</u>	<u>Conveyor #5, Transfer 85' X 18"</u>
<u>0</u>	<u>Bin #2, Feed, 5 Tons</u>
<u>15</u>	<u>Packer #2; Bemis Series 5505, Two Blowers @ 7.5 Hp Each</u>
<u>0</u>	<u>Placer #2; Dual Spout Bag, Bemis Series 5526</u>
<u>1</u>	<u>Conveyor #2; Packer</u>
<u>1</u>	<u>Conveyor #2; Bag Turning</u>
<u>1</u>	<u>Conveyor #2; Trafficking</u>
<u>2</u>	<u>Conveyor #6; Car Withdrawal, 17' X 24"</u>
<u>3</u>	<u>Conveyor #7; Transfer, 85' X 18"</u>
<u>2</u>	<u>Conveyor #8; Feed Bin, 12' X 18"</u>
<u>0</u>	<u>Bin #3; Feed, 5 Tons</u>
<u>15</u>	<u>Packer #3; Bemis Series 5505, Two Blowers @ 7.5 Hp Each</u>
<u>0</u>	<u>Placer #3; Dual Spout, Bemis Series 5526</u>
<u>1</u>	<u>Conveyor #3; Packer</u>
<u>1</u>	<u>Conveyor #3; Bag Turning</u>
<u>1</u>	<u>Conveyor #3; Trafficking</u>
<u>0</u>	<u>Bin #5, Feed 3.5 Tons</u>
<u>2</u>	<u>Packer #4, Compacta Easy 1000 With Two Blowers, Roll Tension Motor, Bag Discharge Roller Motor</u>
<u>1.25</u>	<u>Packer #4 Roll Tension Motor And Bag Discharge Roller Motor</u>
<u>0.75</u>	<u>8' Bag Conveyor</u>
<u>0.75</u>	<u>45 Degree Conveyor</u>
<u>0.75</u>	<u>50" Transfer Conveyor</u>
<u>2</u>	<u>Conveyor #4; Car Withdrawal, 14'8" X 24" Conveyor #4; Car Withdrawal, 14'8" X 24"</u>
<u>3</u>	<u>Conveyor #5; Transfer 85' X 18"</u>
<u>0</u>	<u>The Following Equipment Are Listed For Reference Only;</u>
<u>0</u>	<u>Conveyor; 120 Degree Powered Curve, Two (2) @ 0.5 Hp Each (1.0) (1.0)</u>
<u>0</u>	<u>Printer; Two (2) --</u>
<u>0</u>	<u>Conveyor; 45 Degree Inclined Flattener, Two (2) @ 0.5 Hp Each (1.0)</u>

- 0 Conveyor; 30 Degree Powered Curve, Two (2) @ 0.5 Hp Each (1.0)
- 0 Checkweigher; Two (2) --
- 0 Reject System; Two (2) --
- 0 Conveyor; Transfer, Two (2) @ 0.5 Hp Each (1.0)
- 0 Palletizer; Automatic, Bemis Master 3000, Two (2) @ 0.5 Hp Each (1.0)
- 0 Conveyor; Full Pallet Wire Mesh, Two (2) @ 0.5 Hp Each (1.0)
- 0 Conveyor; Full Pallet Right Angle Transfer, Two (2) @ 0.5 Hp Each (1.0)
- 0 Conveyor; Full Pallet Wire Mesh, (S), One (1) (0.5)
- 0 Conveyor; Full Pallet Wire Mesh, (U), One (1) (0.5)
- 0 Dispenser; Top Film --
- 0 Wrapper; Stretch --
- 0 Conveyor; Gravity Accumulation --
- 0 Conveyor #1; Vertical Lift Feed, 20' (0.5)
- 0 Lift #1: Vertical (10.0)
- 0 Conveyor; Vertical Lift Discharge, 130', Thirteen (13) @ 0.5 Hp Each -- (6.5)
- 0 Conveyor; Moveable, 20' (0.5)
- 0 Conveyor; Transfer Conveyor From Mobile, 90', Nine (9) @ 0.5 Hp Each (4.5)
- 0 Conveyor; 45 Degrees Powered Curve (0.5)
- 0 Conveyor; Transfer, 25' (0.5)
- 0 Conveyor; Gravity Roller Section, 30' --
- 0 Compressor; Air

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

PERMIT CONDITIONS:

1. This Consolidated Packaging & Warehouse Facility shall not be operated unless it is vented to a functioning air pollution control equipment -permitted under District permit C003656.
2. The owner / operator shall operate this equipment in strict accord with the recommendations of the manufacturer and/or sound engineering practices.
3. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
 - a. (a) Crusher -- fifteen (15) percent (40 CFR 60.672(eb) – Table 3)
 - b. (b) Transfer into initial feed hopper - twenty percent (District Rule 401)
 - e. (c) All other transfer points and fugitive emission points -- ten (10) percent (40 CFR 60.672(b) – Table 3).

[District Rule 401; 40 CFR 60.672(b)]
4. If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the opacity limit in condition 3(c) above, or the building enclosing the affected facility or facilities must comply with the following emission limits:
 - (1)(a) -Fugitive emissions from the building openings (except for vents as defined in

subsection 60.671) must not exceed seven (7) -percent opacity; and
(2)(b) -Vents (as defined in subsection 60.671) in the building must meet the applicable
stack emission limits and compliance requirements in Table 2 of 40 CFR 60
Subpart OOO.

[40 CFR 60.672(e)]

5. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO -
Standard of Performance for Nonmetallic Mineral Processing Plants.
[40 CFR 60, Subparts A and OOO]

35. _____ **BAGHOUSE FOR;**
CONSOLIDATED PACKAGING & WAREHOUSE; MDAQMD _____ **PERMIT #**
C003656; consisting of the following:
_____ Mikro Pulsaire, Model 144S-10-20:

DESCRIPTION/CAPACITY:

Mikro Pulsaire, Model 144S-10-20: Capacity _____ Equipment Description

0 _____ Bags: 144 / 10' x 4.5"

0 _____ A/C Ratio: 5.3 : 1

0 _____ Exhaust fan: 25 hp

0 _____ Outlet Rotary Valve: 0.5 hp

0 _____ Stack: 21"x15"x15'; ambient temp.; 8,500 acfm & 62 ft/sec

0 _____ Sixteen (16) pickup points connected to this baghouse

0 _____ Booster fan for Super Sacker

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO
and commenced construction, modification, or reconstruction after August 31, 1983, but before
April 22, 2008.

PERMIT CONDITIONS:

1. The owner/-operator shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
3. This baghouse shall operate concurrently with the Consolidated Packaging & Warehouse Facility under valid District permit B003655.
[District Rule 204]
4. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance

inspections. Logging of data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.

[District Rule 204]

5. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405. Testing shall be conducted at least once every sixty (60) months~~five (5) years~~ starting in 1994.

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.

-[District Rules 404 and 405; 40 CFR 60.8 and 60.675]

6. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
-[40 CFR 60.672(a) - Table 2(2)]

7. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf.
[40 CFR 60.672(a) - Table 2]

36. STORAGE AREA, SODA ASH; MDAQMD PERMIT # T003427; ~~consisting of the following:~~

DESCRIPTION/CAPACITY:

Building 6; 900 ton (224,000 gal) capacity:

Capacity — Equipment Description

7.5 — Conveyor No. 2; Railcar Unloading 3' x 35', w/ retractable dust boot

7.5 — Conveyor No. 3; Building Feed 3' x 30'

20 — Bucket Elevator No. 1

7.5 — Bucket Elevator No. 2

5 — Conveyor No. 4; Reclaim 3' x 100'

5 — Conveyor No. 5; Reclaim 3' x 100'

20 — Conveyor No. 6; Railcar loadout 3' x 58' w/ return spout

1.5 — Screen, vibrating

2 — Loadout Diverter & Silo Rotary Valve; 0.75 hp ea

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

PERMIT CONDITIONS:

1. This equipment shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and sound engineering principles.
[District Rule 204]
2. This storage area, including stockout and reclaim systems, shall not be operated unless it is vented to the operating APCS covered by District permit C003428.
[District Rule 204]
3. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.
[40 CFR 60, Subparts A and OOO]

37. BAGHOUSE, FOR SODA ASH STORAGE BLDG #6; MDAQMD PERMIT # C003428; consisting of the following:

DESCRIPTION/CAPACITY:

Mikro-Pulsaire, 10,000 cfm w/ 144 bags, 10' x 4.5", air/cloth ratio 5.9:1; 40 hp fan
w/stack 1.8' diameter & 13.5' high; 3 hp air compressor and 0.75 hp rotary valve; 2 hp motor on screw conveyor; located in Bldg. #6 (Soda Ash Storage):

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

PERMIT CONDITIONS:

1. This baghouse shall operate concurrently with the Soda Ash Storage Area Equipment covered by District permit T003427.
[District Rule 204]
- ~~2.~~ The owner / operator shall operate and maintain this dust collector in strict accord with those recommendations of the manufacturer/supplier, and sound engineering principles.
[District Rule 204]
- ~~3.~~ The owner / operator shall maintain a record of repairs and maintenance on this equipment and submitted to District, state or federal personnel upon request. The record shall be retained for a minimum period of five (5) years.
[District Rule 204]
- ~~4.~~ The owner / operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of the District Regulation IV.
[District Regulation IV]
- ~~5.~~ This equipment does not require a regularly scheduled emission compliance test.

However, emission compliance testing may be required at the discretion of the District.
[District Rule 204]

56. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven percent opacity.
[40 CFR 60.672(a) – Table 2(2)]
7. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf.
[40 CFR 60.672(a) – Table 2]
4. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.
[40 CFR 60, Subparts A and OOO]

38. SALT CRUSHING AND LOADING EQUIPMENT; MDAQMD PERMIT # B008672; consisting of the following:

DESCRIPTION/CAPACITY:

equipment rated at 100 tons per hour.

- Salt Receiving Hopper
- 10.0 Screen Feed Conveyor
- 20.0 Salt Screen
- 75.0 Crusher
- 7.5 Crusher Discharge Conveyor
- 7.5 Screen Undersize Discharge Conveyor
- 7.5 Screen Oversize Discharge Conveyor
- 7.5 Fines Stockpile Conveyor
- 7.5 Truck Loadout Conveyor
- 0.0 Truck Loadout Spout
- 142.5 (total rating in horsepower)

NOTE: This process is and “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

PERMIT CONDITIONS

1. The owner/operator (o/o) shall maintain this equipment in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants.
[District Rule 204]
2. This equipment shall not process more than 500,000 tons per year of material.
[District Rule 1303]
3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District, State and/or Federal

personnel upon request:

~~a.~~(a) Monthly crusher and transfer/fugitive emission point observation data and result (using USEPA Method 22, and USEPA ~~Method 9 if necessary~~Method 9 when visible emissions are detected);

~~b.~~(b) Monthly and cumulative annual production in tons; and,

~~e.~~(c) Date and nature of any system repairs.

[District Rule 204]

4. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.

[40 CFR Subparts A and OOO]

5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:

~~a.~~(a)- Crusher - fifteen (15) percent (40 CFR 60.672(~~eb~~) – Table 3)

~~b.~~(b) Transfer into initial feed hopper - twenty (20) percent (Rule 401)

~~e.~~(c) All other transfer points and fugitive emission points - ten (10) percent (40 CFR 60.672(b) – Table 3).

[District Rule 401; 40 CFR 60.672(b)]

6. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.

[40 CFR 60, Subparts A and OOO]

39. SALT CRUSHING EQUIPMENT; MDAQMD PERMIT # B003955;; consisting of the following::

DESCRIPTION/CAPACITY:

Capacity — Equipment Description

0.0 Loading Hopper

5 Conveyor Belt

52 Crusher With One (1) 40 Hp And One (1) 12 Hp Motors

NOTE: This process is an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

PERMIT CONDITIONS:

1. The owner/operator (o/o) shall comply with all District Rules and Regulations including, but not limited to, malfunction/breakdown notifications.

[District Rule 204]

2. Materials processed shall contain sufficient natural and/or added moisture to ensure compliance with District rules, such as, but not limited to 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition and used as necessary to ensure compliance.

[District Rules 401, 402, and 403]

- ~~35.~~ This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
- ~~a. (a)~~ Crusher - fifteen (15) percent (40 CFR 60.672(b) – Table 3)
 - ~~b. (b)~~ Transfer into initial feed hopper - twenty (20) percent (Rule 401)
 - ~~c. (c)~~ All other transfer points and fugitive emission points - ten (10) percent (40 CFR 60.672(b) – Table 3)

4. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants. [40 CFR 60, Subparts A and OOO]

~~40. [RESERVED]~~

41. BOILER NO. 22; MDAQMD PERMIT # M000483; consisting of the following::: DESCRIPTION/CAPACITY:

— Babcock and Wilcox, Type PF1-28'10"-16, Natural gas with fuel oil backup, heating surface 17,900 sq. ft., 300,000 lb/hr steam capacity @ 550 psig @ 760 degrees F, with four (4) 27" Babcock and Wilcox combination gas and oil burners rated at 418 million Btu/hr; forced draft Westinghouse fan, size 2371-D, style AKY-4655-2, driven by Elliot turbine drive, type 2BYRO, 750 bhp, inlet pressure 400 psig, outlet pressure 35 psig steam:

Date of manufacture is pre-1960.

PERMIT CONDITIONS:

1. This Boiler shall be fired under the following conditions:
 - ~~a. (a)~~ The boiler shall not emit NOx emissions in excess of 62 ton per year, except under the operating condition specified in item b below.
 - ~~b.~~

apply, but the sum of Boiler 22 and either Boiler 25 or Boiler 26 emission will be subject to the existing Boiler 25 and Boiler 26 combined hourly limit of 442 lb/hour NOx.
[District Rule 1303]
2. To demonstrate compliance with Condition 1 above, records of Boiler 22 operating hours and firing rate will be kept (using a fuel rate meter and hour meter), separately reporting operating hours and total MMBtu fired where Boiler 22 operated in parallel with Boiler 25 and Boiler 26 and operating hours and total MMBtu fired where Boiler 22 operated when either Boiler 25, Boiler 26, or both were shut down for maintenance or repair.
[District Rule 1303]
3. Reports of annual NOx emission totals for Boiler 22 under each of the two operating conditions (operating in parallel with Boiler 25 and Boiler 26 versus operating when either Boiler 25, Boiler 26 or both are shutdown for maintenance or repair) will be submitted to MDAQMD upon request.

[District Rule 1303]

4. For compliance provisions associated with District Rule 1157.1 (going into effect December 31, 2023), the Owner/Operator has elected to operate this unit as a “low annual heat input unit”; therefore; this unit shall be operated with an annual heat input of less than 50,000 million Btu.
[District Rule 1157.1(B)(i)]

5. This low annual heat input unit shall be tuned at least annually pursuant to the provisions of District Rule 1157.1(C)(3)(b)(iii).
[District Rule 1157.1]

64. Annual compliance testing is not required for this equipment except at the discretion of the APCO. ~~However, compliance testing may be required at the discretion of the District.~~

~~The Emissions calculations as specified in Condition 1 through 3 above shall be based on the most recent:~~

~~a.(a) -Compliance test performed on this equipment on March 12, 1991 for NO_x, SO_x, and CO₂.~~

~~b.(b) -Compliance test performed on this equipment as required by APCO.~~

[District Regulation XIII - NSR; District Rule 1157.1]

75. The Owner/Operator shall monitor and record for this unit the High Heat Value and cumulative annual usage of each fuel. The cumulative annual usage of each fuel shall be monitored from utility service meters, purchase or tank fill records. A statement of the heat input for the previous calendar year shall be submitted to the District by March 1 each year.

~~[District Rule 1157.1(E)(2)(a)] a log showing the fuel use for this shall be maintained on site for five (5) years and made available to District, state or federal personnel upon request.~~

6. This equipment shall only use pipeline quality natural gas as the primary fuel, except that CARB diesel fuel can be burned only during periods of natural gas curtailment, gas supply interruptions, startups, or for periodic testing. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year.
[District Rule 431; 40 CFR Part 63 Subpart JJJJJ]

7. The owner/operator shall operate this boiler in accordance with all applicable requirements of District Rule 1157.1 - BARCT Requirements for Boilers and Process Heaters Outside the FONA.

TRONA FACILITY WASTE OIL STORAGE, PAINT SPRAY EQUIPMENT:

412. 1000 GALLON ABOVEGROUND WASTE CRANKCASE OIL STORAGE TANK, LOCATED AT LAKE GARAGE; MDAQMD PERMIT # T002236:

PERMIT CONDITIONS:

1. This tank is limited to storing IC engine waste oil generated on-site by SWMSVM. No hazardous or toxic materials other than internal combustion engine crankcase drainage oil may be stored in this tank.
~~–[District Rule 463]~~
2. Owner/Operator shall keep data for all shipments of oil to other parties. This data shall contain the mass (or volume) throughput for District emission inventory purposes.
~~–[District Rule 463]~~
3. Owner/Operator shall maintain and keep data for a minimum of five (5) years and provide it to District, state or federal personnel on request.
[District Rule 204]

423. PAINT SPRAY GUNS; MDAQMD PERMIT #s P005350 (DeVilbiss, FLG-670 HVLP, SN 1) & P005206 (DeVilbiss, FLGBinks Mach 1 HVLP, Serial No 12):

PERMIT CONDITIONS:

1. All coatings, diluents, thinners, solvents and methods of application shall comply with MDAQMD Rules 1113, 1114, 1115, 1116, and 442. ~~Owner/Operator shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced to the levels allowed in Rule 442.~~
~~_____ [District Rules 1113, 1114, 1115, 1116, and 442]Rule 442]~~
2. A daily log shall be maintained of the VOC and Non-VOC emissions from this operation which contains at least the following items:
~~ai.(a) –The Equipment identification number of the equipment used to apply coating;~~
~~bii.(b) –Type of coating used and its VOC and non-VOC organic limit under the applicable Rule;~~
~~ei.(c)– _____ Quantity of coating used and its VOC and non-VOC content;~~
~~_____ div.(d)– _____ Total VOCs and non-VOCs generated by bii and ciii above subject to if covered District Rules 1113, 1114, 1115, 1116, and 442; and~~
~~_____ ev.(e)–Substrate typeType of material being coated.~~
[District Rules 1113, 1114, 1115, 1116, and 442]
3. The log shall be maintained current, on-site for a minimum of 5 years and provided to District personnel on request. (Note: the daily log information provides the basis for the Toxic Emission Inventory consistent with AB 2588.)A daily record of usage for both photochemically and non-photochemically reactive solvents, diluents, thinners, reducers, cleaners, etc., which includes quantity and description, shall be maintained on site. Note: The daily log information provides a basis for the Toxic Emission Inventory required by

~~AB2588. Note 2: photochemically reactive solvents not allowed per District permit condition.~~

~~[District Rules 1113, 1114, 1115, 1116, and 442; District Rule 1203 (D)(1)(d)(ii)]~~

4. ~~This data shall be kept current, on-site for a minimum of five (5) years and provided to MDAQMD, state, or federal personnel on request. [Rule 1203 (D)(1)(d)(ii)]~~
5. The owner/operator shall operate equipment described in this permit in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which will produce the minimum emission of air contaminants. Spray equipment shall be given unique identification marks attached thereto prior to use under this permit.
~~[District Rule 204]~~
56. No photochemically reactive portion of the coating is permitted. This includes the coating as purchased and any solvents which may be used as diluent, thinner, reducer or cleaner. A daily record of usage for both photochemically and non-photochemically reactive solvents, diluents, thinners, reducers, cleaners, etc., which includes quantity and description, shall be maintained on-site. Note: The daily log information provides a basis for the Toxic Emission Inventory required by AB2588.
~~[District Rule 1203 (D)(1)(d)(i)]~~
76. This gun may be operated outside of the main areas of operation and/or a spray booth.
~~[District Regulation XIII - NSR]~~

TRONA FACILITY DIESEL ENGINE DRIVEN GENERATOR, PUMP, AND COMPRESSOR EQUIPMENT; GASOLINE ENGINE DRIVEN PUMP:

434. DIESEL IC ENGINE, EMERGENCY ~~STANDBY~~ ENGINE ~~;~~ MDAQMD PERMIT # E003522; consisting of:

DESCRIPTION/CAPACITY:

SVM # S3035. Year of manufacture 1983, Tier 0, one Caterpillar, diesel fired internal combustion engine Model No. 3412 and Serial No. 38S13128, producing 750 bhp with 12 cylinders at 2100 rpm while consuming a maximum of 44 gal/hr. Caterpillar, Model No. 3412, 750 BHP @ 2100 rpm, Serial # 38S13128:

PERMIT CONDITIONS:

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
~~[40 CFR 63.6605(a) and (b) and 40 CFR 63.6625(e) — Subpart ZZZZ — NESHAP for Stationary Reciprocating Internal Combustion Engines]~~

2. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
~~-[District Rule 204; 40 CFR 63.6640 (f)(1)(ii)]17 CCR 93115.6(b)(1)]~~
3. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
~~-[District Rule 204;17 CCR 93115]~~
4. This unit shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
~~a.(a) -Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, equal to a weight per weight basis; and,~~
~~b.(b)- A cetane index or aromatic content, as follows:~~
~~i.(i)- A minimum cetane index of 40; or,~~
~~ii.(ii) -A maximum aromatic content of 35 volume percent.~~
~~[District Rule 431; 17 CCR 93115.5(a) and; 40 CFR 63.6604]This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [40 CFR 63.6604; Rule 431]~~
5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
~~-[17 CCR 93115.10(d) and 40 CFR 63.6625(f)]~~
6. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted, or when the Elliot turbine drive is inoperative as it provides alternative power to the draft fan. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, or any other non-emergency situations. Except as provided in 40 CFR 60.6640 (f)(4)(ii), the 20 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
~~-[District Rule 204; 17 CCR 93115.4(30) and 93115.6(b)(3); 40 CFR 63.6640(f)(1)(ii)]~~
7. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- ~~a.(a)~~ -Date of each use and duration of each use (in hours);
- ~~b.(b)~~ -Reason for use (testing & maintenance, emergency, required emission testing, etc.);
- ~~c.(c)~~ - Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,
- ~~d.(d)~~ - Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].
- ~~e.(e)~~ -Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,
- ~~f.(f)~~ - Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below.

[~~District~~ Rule 204; ~~40 CFR Part 63 Subpart ZZZZ~~; 17 CCR 93115 -; ATCM for Stationary Compression Engines; ~~40 CFR Part 63, Subpart ZZZZ~~]

8. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, the owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below: Owner/operator must meet the following requirements;

- ~~a.(a)~~ -Change oil and filter every 500 hours of operation or annually, whichever comes first. ~~O/o~~The owner/operator may utilize an oil analysis program as described in §40 CFR 63.6625(i) in order to extend this requirement.
- ~~b.(b)~~ - Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- ~~c.(c)~~ - Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
- ~~d.(d)~~ - Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR ~~Subsection~~ 63.6603, table 2d]

If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required above, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63.6655]

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR §93115) and 40 CFR Part 63,

Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.

[17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

~~445. [RESERVED]~~

46. DIESEL IC ENGINE, EMERGENCY FIRE PUMP; MDAQMD PERMIT # E004553; consisting of:

DESCRIPTION/CAPACITY:

Mfg unknown, powered by 8 cyl Detroit Diesel, Model 70847010-8V71, SN 8VA385527, rated @ 305 hp @ 2100 rpm. (SVWM# S2906).

Year of manufacture 1998, one Detroit Diesel, diesel fired internal combustion engine Model No. 70847010-8V71 and Serial No. 8VA385527, producing 305 bhp with 8 cylinders at 2100 rpm while consuming a maximum of 8 gal/hr.

PERMIT CONDITIONS:

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

~~[40 CFR 63.6605(a) and (b) and 40 CFR 63.6625(e) — Subpart ZZZZ — NESHAP for Stationary Reciprocating Internal Combustion Engines]~~

2. This unit shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

~~—— a.(a) —~~ Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, equal to a weight per weight basis; and,

~~—— b.(b) —~~ A cetane index or aromatic content, as follows:

~~—— i.(i) —~~ A minimum cetane index of 40; or,

~~—— ii.(ii) —~~ A maximum aromatic content of 35 volume percent.

~~[District Rule 431; 17 CCR 93115.5(a); and 40 CFR 63.6604] This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [40 CFR 63.6604; Rule 431]~~

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, ~~or any other non-emergency situations. Except as provided in 40 CFR 60.6640 (f)(4)(ii), the 30 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.~~

- [District Rule 204; 17 CCR 93115.4(30) and 93115.6(b)(3); -40 CFR -63.6640(f)(1)(ii)]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f)]
 5. The annual hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled IC engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition.
[Title 17 CCR 93115(c)16]
 6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - ~~a.(a)-~~ __ Date of each use and duration of each use (in hours);
 - ~~b.(b)-~~ __ Reason for use (testing & maintenance, emergency, required emission testing, etc.);
 - ~~c.(c)-~~ __ Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,
 - ~~d.(d)-~~ __ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].
 - ~~e.(e)-~~ __ Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,
 - ~~f.(f)-~~ __ Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below.
[District Rule 204; 40 CFR Part 63 Subpart ZZZZ]
 8. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, the owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
 - (a) Change oil and filter every 500 hours of operation or annually, whichever comes first. The owner/operator may utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend this requirement.
 - (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and

(d) Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]

If this emergency pump is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required above, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63.6655]

~~Owner/operator must meet the following requirements;~~

- ~~—— a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this requirement.~~
- ~~—— b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;~~
- ~~—— c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and~~
- ~~—— d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]~~

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR §93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.
[17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

457. DIESEL IC ENGINE, PORTABLE COMPRESSOR (UTILITY); MDAQMD PERMIT # B004554; consisting of:

DESCRIPTION/CAPACITY:

SVM# K0639, Year of manufacture 2019 EPA Tier 4F, USEPA Family KPKXL04.4MU1. This unit replaces Tier 1 engine having SN T0405T829910.

One Caterpillar, Diesel fired internal combustion engine Model No. C4.4 and Serial No. TBD, After Cooled, Turbo Charged, producing 122 bhp with 4 cylinders at 2100 rpm while consuming a maximum of 5.9 gal/hr. This equipment powers a Sullair Compressor Model No. 375H DPQ JD and Serial No. TBD, rated at 375-425 cfm.

EMISSIONS RATES

Emission Type Est.	Max Load	Unit
CO	3.7	gm/bhp-hr
NOx	0.30	gm/bhp-hr
PM10	0.015	gm/bhp-hr

SOx	0.005	gm/bhp-hr
VOC	0.14	gm/bhp-hr

PERMIT CONDITIONS:

1. This certified Tier 4 Final diesel engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
~~-[District Rule 1302(C)(2)(a)]~~
2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration
~~[Title-17 CCR 93116.2(a)(29)]-~~
3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; ~~or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.~~
~~_____ [District Rule 431; Title-17 CCR Section 93116.3(a); Rule 431]~~
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
~~[District Rule ~~1302(C)(2)(a)~~204]~~
5. The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
~~_____ a.(a)-~~ Calendar year operation in terms of operating location, fuel consumption (in gallons) and total hours; and,
~~_____ b.(b)-~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
~~[District Rule 204]~~
6. This portable, diesel-fired engine is certified to Tier 4 final emission standards and is therefore exempted from the requirements of section 93116.4 of Title 17 CCR 93116. To establish this exemption the Responsible Official (owner/operator) must provide the Certification Statement to the District and CARB when the engine initially satisfies the requirements of section 93116.4(a). This certification statement must list the following for each engine:

- ~~a.(a)~~ The District permit number; and,
~~b.(b)~~ The serial number.

Compliance Statements should be sent to the District via mail or electronically to
reporting@mdaqmd.ca.gov

Compliance Statements should be mailed to CARB at:

ARB/PERP

P.O. Box 2038

Sacramento, CA 95812

[Title 17 CCR 93116.4(a)and(e)]

7. This unit is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater.
[Title 17 CCR 93116]

**468. DIESEL IC ENGINE, LOW USE, PORTABLE COMPRESSOR (LAKE);
MDAQMD PERMIT # B007852; consisting of:**

DESCRIPTION/CAPACITY:

SVM# K0640, Year of manufacturer 2000, EPA Tier 1, EPA Family Name YCPXL14.6MRJ, CARB EO U-R-001-0019 w/ PM10 Certification level 0.29 g/bhp-hr, One Caterpillar, Diesel fired internal combustion engine Model No. 3406C and Serial No. 3ER05421, Direct Injected, Turbo Charged, producing 440 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 20 gal/hr. Y.O.M is 2000, EPA Tier 1, EPA Family Name YCPXL14.6MRJ, CARB EO U-R-001-0019 w/ PM 10 Certification level 0.29 g/bhp hr, SWVM# K0640, Caterpillar, Diesel, Compressor, Model # 3406, 8 cylinders, Direct Injected, Turbo Charged, 440 bhp @ 1800rpm, Serial # 3ER05421

PERMIT CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]
2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[17 CCR 93116.2(a)(29)]
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements.
-[District Rule 431; Title 17 CCR Section 93116.3(a); Rule 431]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit

to indicate elapsed engine operating time. ~~[17 CCR 93116.4(b)(2)(A)]~~
~~[District Rule 204]~~

5. This unit shall not be operated for more than 80 hours per calendar year.
[District Rule 204; 17 CCR 93116.2(a)(22) and 93116.3(c)(4)]

6. The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

~~— a.(a) —~~ Calendar year operation in terms of operating location, fuel consumption (in gallons) and total hours; and,

~~— b.(b) —~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

~~[District Rule 204]~~

7. The Responsible Official of the fleet must submit a report by March 1 of each year indicating the following:

~~— a.(a) —~~ The permit or registration number of each low-use engine; and

~~— b.(b) —~~ The hour meter readings taken at the beginning and end of the previous calendar year for each low-use engine.

~~[District Rule 204; 17 CCR 93116.4(d)(1)]~~

8. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

[District Rule 1320; 17 CCR 93116]

**479. ~~DIESEL IC ENGINE, EMERGENCY DIESEL GENERATOR (S3047) —
POWERING A WATER PUMP; MDAQMD PERMIT # E009159; consisting of:~~**

DESCRIPTION/CAPACITY:

SVM # 3047, Year of manufacture 1998, one Deutz, diesel fired internal combustion engine Model No. F5L912 and Serial No. 8330532, Direct Injected, producing 82 bhp with 5 cylinders at 2300 rpm while consuming a maximum of 4 gal/hr. ~~Deutz, 82 BHP, Diesel, Model # F5L912, 5 cylinders, Direct Injected, 2300 rpm, Serial # 8330532~~

PERMIT CONDITIONS:

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated

in accordance with all data and specifications submitted with the application for this permit.

~~[40 CFR 63.6605(a) and (b) and 40 CFR 63.6625(e)–Subpart ZZZZ–NESHAP for Stationary Reciprocating Internal Combustion Engines]~~

2. This unit shall only be fired on diesel fuel that meets the following requirements:
 - ~~a.(a)-~~ Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, equal to a weight per weight basis; and,
 - ~~b.(b)-~~ A cetane index or aromatic content, as follows:
 - ~~i.(i)-~~ A minimum cetane index of 40; or,
 - ~~ii.(ii)~~ A maximum aromatic content of 35 volume percent.

[District Rule 431; CCR 93115.5(a) and 40 CFR 63.6604]
~~This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.~~
~~[40 CFR 63.6604; Rule 431]~~
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 63.6625(f)]
4. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, or any other non-emergency situations. Except as provided in 40 CFR 60.6640 (f)(4)(ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity, excluding compliance source testing. Time required for source testing will not be counted toward the 50-hour per year limit.
[District Rule 204; 40 CFR 63.6640(f)(1)(ii)] District Rule 204; 17 CCR 93115.4(30) and 93115.6(b)(3); 40 CFR 63.6640(f)]
5. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - ~~a.(a)-~~ Date of each use and duration of each use (in hours);
 - ~~b.(b)-~~ Reason for use (testing & maintenance, emergency, required emission testing, etc.);
 - ~~e.(c)-~~ Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,
 - ~~d.(d)-~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].

~~e.(e)-~~ Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,

~~f.(f)-~~ Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below.

[[District Rule 204](#); [17 CCR 93115](#); 40 CFR Part 63 Subpart ZZZZ]

6. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, the owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first. The owner/operator may utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend this requirement.

(b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;

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

(d) Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]

If this emergency pump is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required above, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[40 CFR 63.6655] Owner/operator must meet the following requirements;

a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this requirement.

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

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

d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Subsection 63.6603, table 2d]

7. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM)

for Stationary Compression Ignition Engines (17 CCR §93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.

[17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

4850. GASOLINE IC ENGINE (P6103), PORTABLE PUMP; MDAQMD PERMIT # B009160; consisting of:

DESCRIPTION/CAPACITY:

One Nissan, 87U fired internal combustion engine Model No. A15 and Serial No. 444834A, Direct Injected, producing 51 bhp with 4 cylinders at 3600 rpm while consuming a maximum of 4 gal/hr. This equipment powers a Mayco Pump Model No. C30HDNI and Serial No. NA, rated at 25 cubic yards/hr. Nissan, 51 BHP, Gasoline, Model # A15, 4 cylinders, Direct Injected, 3600 rpm, Serial # 444834A

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants.
[District Rule 204]
3. This unit shall only be fired on CARB formulated gasoline.
—[District Rule 431]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 204]
5. The o/o shall maintain a log for this unit, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:
 - a.(a)— Date of each use;
 - b.(b)— Duration of each use, in minutes;
 - e.(c)— Fuel consumed during each calendar year, in gallons;
 - d.(d)— Fuel supplier's certification that fuel has CARB approved fuel formulation.[District Rule 204]
6. This gasoline ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[District Rule 204]

4954. DIESEL IC ENGINE (P6072), PORTABLE CONCRETE PUMP; MDAQMD PERMIT # B009161; consisting of:

DESCRIPTION/CAPACITY:

Year of manufacture 2020, EPA Tier 4F, Engine Family Name LDZXL02.9020, CARB EO U-R-013-0601. This unit replaces Tier 1 engine having Serial # 00547024.

One Deutz, Diesel fired internal combustion engine Model No. TD2.9L4 and Serial No. TBD, producing 74.2 bhp with 4 cylinders at 2300 rpm while consuming a maximum of TBD gal/hr. This equipment powers a Putzmeister Concrete Pump Model No. TK40 and Serial No. TBD, rated at TBD cu yds/hr

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
NOx	3.36	gm/bhp-hr
CO	3.7	gm/bhp-hr
PM10	0.022	gm/bhp-hr
VOC	0.14	gm/bhp-hr
SOx	0.005	gm/bhp-hr

PERMIT CONDITIONS:

1. This certified Tier 4 Final diesel engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(C)(2)(a)]
2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration
[~~Title~~-17 CCR 93116.2(a)(29)]
3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; ~~or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.~~
[~~District Rule 431; Title~~-17 CCR Section 93116.3(a); ~~Rule 431~~]
4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 1302(C)(2)(a)]

5. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
- ~~a.(a)~~ Calendar year operation in terms of operating location, fuel consumption (in gallons) and total hours; and,
 - ~~b.(b)~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Rule 204]

6. This portable, diesel-fired engine is certified to Tier 4 final emission standards and is therefore exempted from the requirements of section 93116.4 of Title 17 CCR 93116. To establish this exemption the Responsible Official (owner/operator) must provide the Certification Statement to the District and CARB when the engine initially satisfies the requirements of section 93116.4(a). This certification statement must list the following for each engine:

- ~~a.(a)~~ The District permit number; and,
- ~~b.(b)~~ The serial number.

Compliance Statements should be sent to the District via mail or electronically to reporting@mdaqmd.ca.gov

Compliance Statements should be mailed to CARB at:

ARB/PERP

P.O. Box 2038

Sacramento, CA 95812

[Title 17 CCR 93116.4(a)and(e)]

7. This unit is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater.
~~[Title-17 CCR 93116]~~

~~502. [RESERVED]~~

53. DIESEL IC ENGINE, EMERGENCY GENERATOR (~~K0652~~); MDAQMD PERMIT # E009163; consisting of:

DESCRIPTION/CAPACITY:

SVM# K0652, Year of Manufacture 2002, One Deutz, Diesel fired internal combustion engine Model No. BF4M1012EC and Serial No. 00770821, Direct Injected, Turbo Charged, producing 99 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 5 gal/hr. This equipment powers a Kohler Generator Model No. 60ROZK and Serial No. 0751066, rated at 60KkW. Deutz, 99 BHP, Diesel, Model # BF4M1012EC, 4 cylinders, Direct Injected, Turbocharged, 1800 rpm, Serial # 00770821

PERMIT CONDITIONS:

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

~~[District Rule 204; 40 CFR 63.6605(a) and (b) and 40 CFR 63.6625(e)—Subpart ZZZZ—NESHAP for Stationary Reciprocating Internal Combustion Engines]~~

- ~~2. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect. [40 CFR 63.6640 (f)(1)(ii)]~~

- ~~3. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [Rule 204; 17 CCR 93115]~~

42. This unit shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

~~—— a.(a) — Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, equal to a weight per weight basis; and,~~

~~—— b.(b) — A cetane index or aromatic content, as follows:~~

~~—— i.(i) — A minimum cetane index of 40; or,~~

~~—— ii.(ii) — A maximum aromatic content of 35 volume percent.~~

~~[District Rule 431; 17 CCR 93115.5(a) and 40 CFR 63.6604] ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.~~

~~[40 CFR 63.6604; Rule 431]~~

53. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

~~[17 CCR 93115.10(d); 40 CFR Subsection 63.6625(f)]~~

4. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

~~_____ [District Rule 204; 17 CCR 93115.6(b)(1)]
[17 CCR 93155; 40 CFR 63.6640 (f)(1)(ii)]~~

65. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 520 hours per year for testing and maintenance, or any other non-emergency situations. Except as provided in 40 CFR 60.6640 (f)(4)(ii), the 20 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

~~_____ [District Rule 204; 17 CCR 93115.4(30) and 93115.6(b)(3); 40 CFR 63.6640(f)]
excluding compliance source testing. Time required for source testing will not be counted toward the 520 hour per year limit.~~

~~_____ [District Rule 204; 17 CCR 93115; 40 CFR 63.6640(f)(1)(ii)]~~

76. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

~~a.(a)-~~ Date of each use and duration of each use (in hours);

~~b.(b)-~~ Reason for use (testing & maintenance, emergency, required emission testing, etc.);

~~e.(c)-~~ Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,

~~d.(d)-~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].

~~e.(e)-~~ Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,

~~f.(f)-~~ Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below.

~~[17 CCR 93115, ATCM for Stationary Compression Engines; 40 CFR Part 63 Subpart ZZZZ]40 CFR 63, Subpart ZZZZ]~~

78. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, the owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

(a) Change oil and filter every 500 hours of operation or annually, whichever comes first. The owner/operator may utilize an oil analysis program as described in 40

- CFR 63.6625(i) in order to extend this requirement.
- (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
 - (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
 - (d) Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]

If this emergency pump is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required above, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63.6655]

~~Owner/operator must meet the following requirements;~~

- ~~a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this requirement.~~
- ~~b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;~~
- ~~c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and~~
- ~~d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, Table 2d]~~

89. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and or similar arrangement(s) with the electrical power supplier.
_____-[District Rule 204; 17 CCR 93115]

940. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR §93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.
[17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

514. SUPO DRYER; MDAQMD PERMIT # B012530; consisting of:

DESCRIPTION/CAPACITY:

A Potassium Sulfate Process (SUPO) Steam Assist Fluidized Bed Dryer

~~Capacity~~-(hp) _____ Equipment Description
0 Andritz Fluid Bed Dryer Type HDC 365/1050, 2.5 MMBtu/hr

0	Pre-heater, 0.6 MMBtu/hr
5	Twin shaft mixer conveyor
1.5	Dryer baghouse rotary valve
1.5	Cyclone rotary valve
1.3	Dryer rotary valve
1.5	Underflow rotary valve
75400	Drying supply air fan
1.53	Grizzly screen
03	Dust air slide conveyor (6" W x 25'-6" L)
<u>1</u>	<u>Cyclone Rotary Airlock</u>
6	Air Slide Fanx2
<u>105</u>	<u>Dryer discharge screw conveyor (12" D x 11'-11" L)</u>
15	Dryer Discharge Bucket Elevator (14" X 48" , 94'-6")
0	Cyclone Diverter Valve
0	Dryer Diverter Valve
0.75	<u>Elevator</u> Baghouse Rotary Valve
0	Storage Feed Air Conveyor (6" W x 11' 2" L)
3	Off spec repulper agitator
0	3000-gallon off spec repulper tank
10	Off spec repulper pump
<u>30</u>	<u>ID Fan</u>

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning baghouses under valid district permits C012532 and C012950.
~~+~~ -[District Rule 1303]

2. The owner /operator shall operate this equipment in strict accord with the manufacturer's specification and /or sound engineering principles.
~~2.~~ -[District Rule 204]

525. SUPO –TRANSFER AND STORAGE SILOS; MDAQMD PERMIT # B012531;
consisting of:

DESCRIPTION/CAPACITY:

<u>Capacity</u> (hp)	<u>Equipment Description</u>
1.5	Product Scale
7.5	Storage Feed Drag Conveyor (15" W X 106' L)
75	Product Reclaim Augers x 3 (11" OD TO 5.5" OD Variable Pitch Tapered Flight)
45	Silo Discharge Screw Conveyors x 3 (18" D X 20' L)
75.75	Reclaim Hydraulic Pumps
29,567 CU FT	Storage Silo (-30.77' D X 62.25' Tall, 30 Degree Hopper Slope)
29,567 CU FT	Storage Silo (-30.77' D X 62.25' Tall, 30 Degree Hopper Slope)
29,567 CU FT	Storage Silo (-30.77' D X 62.25' Tall, 30 Degree Hopper Slope)

PERMIT CONDITIONS:

1. This equipment shall not be operated unless vented to functioning baghouses/ under valid

district permits C012534, C012535, C012950, and C012536.

_____-[District Rule 1303]

2. ____ The owner /operator shall operate this equipment in strict accord with the recommendations of the manufacturer and /or sound engineering principles.

_____-[District Rule 204]

536. SUPO BULK LOADOUT FACILITY; MDAQMD PERMIT # B012533; ~~consisting of:~~

DESCRIPTION/CAPACITY:

Capacity (hp)	Equipment Description
25	Product Drag Conveyor (15" W X 81' L & 23' @ 12 DEG. INCLINE)
20	Loadout Transfer Conveyor (15" W X 81' L & 57' @ 15 DEG. INCLINE)
0.75	Rotary Valve Loadout Transfer
20	Loadout Bucket Elevator (26" X 48" , 69'-5" ft H)
0	Loadout Binfeed Conveyor (10" W X 15'-6" L)
3	Aeration Blower Loadout
0	12' Dia-, 40 Ton working capacity, Bottom type 60 Deg cone
10	Bin Aeration Blower
0	Aerated Bin Bottom 4 ft Diam.
0	Loadout Bin Valve
0	Loadout Bin discharge air slide (10" W X 9' L)
3	Air Slide Blower
0.75	Elevator Baghouse Rotary Valve
0.5	Automatic Sampler
0	Loadout Impact Flow Meter
1.5	Horizontal Spout Dual Axis Positioner

PERMIT CONDITIONS:

1. ____ This equipment shall not be operated unless vented to the functioning dust collectors/bin vents under valid district permit C012537, C012538, and C012539.

_____-[District Rule 1303]

2. ____ The owner/operator shall operate this equipment in strict accord with the recommendations of the manufacturer and /or sound engineering principles.

_____-[District Rule 204]

547. SUPO DRYER DUST COLLECTOR; MDAQMD PERMIT # C012532; ~~consisting of:~~

DESCRIPTION/CAPACITY:

- Make & Model: DUSTEX 6230-8-8 or Equivalent
- Air Volume: 5e000 scfm
- Filter Area:1007 ft²

- Air to Cloth: 4.e97:1
- Exhaust Air Fan : 30 HP
- Cyclone Separator: 43" diameter x 242.250" tall

PERMIT CONDITIONS:

1. The owner/operator (~~o/o~~) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~1-~~ -[District Rules 204; 1303]
2. This equipment shall be operated concurrently with the Supo Dryer System covered in District permit B012530.
~~2-~~ -[District Rules 204; 404;1303]
3. The ~~o/o~~ owner/operator shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:
 - ~~a-~~ a-(a)- Monthly stack observation date and result (using USEPA Method 22, and USEPA ~~Method 9 if necessary~~ Method 9 when visible emissions are detected).
 - ~~b-~~ b-(b)- Monthly readings of pressure drop, date and value - pressure drop shall not exceed manufacturer recommendations.
 - ~~c-~~ c-(c)- Annual bag and bag suspension system inspection date and results.
 - ~~d-~~ d-(d)- Date of bag replacements.
 - ~~e-~~ e-(e)- Date and nature of any system repairs.
[District Rules 204; 401; 1303]
4. The maximum grain loading in the stack of this baghouse shall not exceed 0.005 grains per dscf and the emissions of particulates (PM) shall not exceed 0.21 lb/hr.
[District Rules ~~204, 404, 405; and~~ 1303 (A) – more stringent limit BACT based]
5. The owner/operator, O/O at a minimum, shall conduct an initial compliance test in accordance to CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall occur at within 90 days of initial operation of the Supo Dryer System.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~5-~~ -[District Rules ~~404, 405 and;~~ 1303 (A)]

6. Owner/operator~~O/O~~ shall maintain on site a minimum inventory of replacement filter cartridges.
~~6.~~ -[District Rule 1303]

**558. BAGHOUSE #1, SUPO STORAGE SILO #1; MDAQMD PERMIT # C012534;
consisting of:**

DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST25 or Equivalent
- Air Volume: 1200 scfm
- Filter Area: 314 ft²
- Air to Cloth: 3.8:1
- Exhaust Air Fan: 3 HP

PERMIT CONDITIONS:

1. The owner/operator (~~O/O~~) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~1.~~ _____-[District Rules 204; 1303]
2. This equipment shall be operated concurrently with the Supo Transfer and Storage System covered in District permit B012531.
~~2.~~ _____-[District Rules 204; 404;1303]
3. The owner/operator~~O/O~~ shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:
- ~~a.~~ a.(a)- Monthly stack observation date and result (using USEPA Method 22, and USEPA ~~Method 9 if necessary~~Method 9 when visible emissions are detected).
 - ~~b.~~ b.(b) -Monthly readings of pressure drop, date and value- pressure drop shall not exceed manufacturer recommendations.
 - ~~e.~~ e.(c)- Annual bag and bag suspension system inspection date and results.
 - ~~d.~~ d.(d)- Date of bag replacements.
 - ~~e.~~ e.(e)- Date and nature of any system repairs.
- _____ [District Rules 204; 401; 1303]
4. The maximum grain loading in the stack of this bin vent shall not exceed 0.005 grains per dscf and the emissions of particulates (PM) shall not exceed 0.051 lb/hr-
~~4.~~ _____ [District Rules 204; ~~404~~; 1303]
5. The operator/operator~~O/O~~ at a minimum shall conduct an initial compliance test on any one of the Baghouses (C012534, C012535, or C012536) in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall occur within 90 days of initial operation of the Supo Transfer and Storage Silos (B012531).

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~5.~~ [District Rules ~~404~~, ~~405~~ & 1303(A)]

~~6.~~ The owner/operator ~~o/e~~ shall maintain on site a minimum inventory of replacement ~~bags~~ filter cartridges.

~~6.~~ -[District Rule 1303]

569. BAGHOUSE #2, SUPO STORAGE SILO #2 BAGHOUSE; MDAQMD PERMIT # C012535; consisting of:

DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST25 or Equivalent
- Air Volume: 1200 scfm
- Filter Area: 314 ft²
- Air to Cloth: 3.8:1
- Exhaust Air Fan: 3 HP

PERMIT CONDITIONS:

~~1.~~ The owner/operator (~~o/e~~/~~o~~) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

~~1.~~ _____-[District Rules 204; 1303]

~~2.~~ This equipment shall be operated concurrently with the Supo Transfer and Storage System covered in District permit B012531.

~~2.~~ _____-[District Rule 204; 404; 1303]

3. The owner/operator ~~o/e~~/~~o~~ shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:

~~a.~~ (a) _____ Monthly stack observation date and result (using USEPA Method 22, and USEPA _____ Method 9, if necessary).

~~b.~~ (b) _____ Monthly readings of pressure drop, date and value- differential pressure drop shall not exceed manufacturer recommendations.

~~e.~~ (c) _____ Annual filter and filter bag and bag-suspension system inspection date and results.

~~d.~~ (d) _____ Date of filter bag replacements.

~~e.~~ (e) _____ Date and nature of any system repairs.

_____ [District ~~Rule~~ Rules 204; 401; 1303]

~~4.~~ _____ The maximum grain loading in the stack of this bin vent shall not exceed 0.005 grains per dsfc and the emissions of particulates (PM) shall not exceed 0.051 lb/hr.

~~4.~~ _____ -[District Rules 204; 404; 1303]

~~5.~~ _____ The owner/operator~~O/O~~ at a minimum shall conduct an initial compliance test on any one of the Baghouses (C012534, C012535 or C012536) in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall occur within 90 days of initial operation of the Supo Transfer and Storage Silos (B012531).

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~5.~~ _____ [District Rules 404; 1303]

6. The owner/operator~~O/O~~ shall maintain on site a minimum inventory of replacement filters~~bags~~. [District Rule 1303]

5760. BAGHOUSE #23, SUPO STORAGE SILO #3; MDAQMD PERMIT # C012536;
consisting of:

DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST25 or Equivalent
- Air Volume: 1200 scfm
- Filter Area: 314 ft²
- Air to Cloth: 3.8:1
- Exhaust Air Fan: 3 HP

PERMIT CONDITIONS:

~~1.~~ _____ The owner/operator (~~O/O~~) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

~~1.~~ _____ -[District Rule 204]

~~2.~~ _____ This equipment shall be operated concurrently with the Supo Transfer and Storage System under District permit B012531.

~~2.~~ _____ -[District Rule 1303]

3. The owner/operator~~O/O~~ shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a

minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:

- ~~a.~~ (a) Monthly stack observation date and result (using USEPA Method 22, and USEPA Method 9, if necessary).
 - ~~b.~~ (b) Monthly readings of differential pressure drop, date and value-differential pressure drop shall not exceed manufacturer recommendations.
 - ~~c.~~ (c) Annual bag and bag suspension system inspection date and results.
 - ~~d.~~ (d) Date of bag replacements.
 - ~~e.~~ (e) Date and nature of any system repairs.
- [District Rules 204; 401; 1303]

4. The maximum grain loading in the stack of this baghousebin-vent shall not exceed 0.005 grains per dscf and the emissions of particulates (PM) shall not exceed 0.051 lb/hr.
4. _____-[District Rules 404; 1303- BACT]

5. The owner/operator~~O/O~~, at a minimum, shall conduct an initial compliance test on any one of the Baghouses (C012534, C012535 or C012536) in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall occur within 90 days of initial operation of the Supo Transfer and Storage Silos (B012531).

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

- ~~5.~~ _____-[District Rules 404; 1303]

6. Owner/operator~~e~~ shall maintain on site a minimum inventory of replacement bagsfilter cartridges.
- _____- [District Rule 1303]

5864. BAGHOUSE, SUPO BULK LOADOUT TRANSFER DRAG CONVEYORS;
MDAQMD PERMIT # C012537; consisting of:
DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST25 or Equivalent
- Air Volume: 1000 scfm
- Filter Area: 314 ft²
- Air to Cloth: 3.2:1
- Exhaust Air Fan: 7.5 HP

PERMIT CONDITIONS:

1. ~~_____~~ The owner/operator ~~(O/O)~~ shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~1.~~ _____-[District Rule 204]
 2. ~~_____~~ This equipment shall be operated concurrently with the Supo Bulk Loadout System under District permit B012533.
~~2.~~ _____-[District Rule 1303]
 3. The ~~owner/operator~~~~O/O~~ shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:
 - ~~a.~~ ~~(a)~~ _____ Monthly stack observation date and result (using USEPA Method 22, and USEPA Method 9, if necessary).
 - ~~b.~~ ~~(b)~~ _____ Monthly readings of pressure drop, date and value- pressure drop shall not exceed manufacturer recommendations.
 - ~~c.~~ ~~(c)~~ _____ Annual bag and bag suspension system inspection date and results.
 - ~~d.~~ ~~(d)~~ _____ Date of bag replacements.
 - ~~e.~~ ~~(e)~~ _____ Date and nature of any system repairs._____ [District Rules 204; 401; 1303]
 4. ~~_____~~ The maximum grain loading in the stack of this ~~baghouse in vent~~ shall not exceed 0.005 grains per dscf and the emissions of particulates (PM) shall not exceed 0.043 lb/hr.
~~4.~~ _____ [District Rules 404; 1303]
 5. ~~_____~~ -The ~~owner/operator~~~~O/O~~ shall conduct an initial compliance test in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall occur within 90 days of initial operation of the Supo Bulk Loadout System (B012533).

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
~~5.~~ _____ [District Rules 404; 1303]
 6. ~~_____~~ ~~Owner/operator~~~~O~~ shall maintain on site a minimum inventory of replacement bags.
~~6.~~ _____ [District Rule 1303]
- 5962. _____ BAGHOUSE, SUPO BULK LOADOUT BIN, MDAQMD PERMIT # C012538; Consisting of:**

DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST49 or Equivalent
- Air Volume: 2200 scfm
- Filter Area: 615 ft²
- Air to Cloth: 3.6:1
- Exhaust Air ~~Fan~~Fan: 10 HP

PERMIT CONDITIONS:

1. 1. The owner/operator (~~O/O~~) shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~1.~~ [District Rule 204]

2. 2. This equipment shall be operated concurrently with the Bulk Loadout System covered in District permit B012533.
~~2.~~ [District Rule 1303]

3. The owner/operator~~O/O~~ shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:
 - ~~a.~~ (a)
 - ~~b.~~ (b)
 - ~~c.~~ (c)
 - ~~d.~~ (d)
 - ~~e.~~ (e)
~~e.~~ [District Rules 204; 401; 1303]

4. The maximum grain loading in the stack of this dust collector shall not exceed 0.005 grains per dscf and the emissions of particulates (PM10) shall not exceed 0.094 lb/hr. [District Rules 404; 1303- BACT]

5. 5. The owner/operator~~O/O~~ shall conduct an initial compliance test within 90 days of initial operation of the Supo Bulk Loadout System (B012533) in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. A USEPA Method 9 shall also be performed during the initial operation compliance test.

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~5.~~ [District Rules 404; 1303]

~~6.~~ Owner/operator shall maintain on site a minimum inventory of replacement bags.
~~6.~~ -[District Rule 1303]

603. IN-LINE CARTRIDGE SPOUT FILTER, SUPO BULK LOADOUT; MDAQMD PERMIT # C012539; Consisting of:

DESCRIPTION/CAPACITY:

- Model: Vortex Model VFS-25-A-A -or Equivalent
- Air Volume: 1000 scfm
- Filter Area:
- Cartridges 232 ft²
- Air to Cloth: 4.3:1
- Exhaust Air Fan: 3 HP

PERMIT CONDITIONS

1. The owner/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

~~1.~~ -[District Rule 204]

2. This equipment shall be operated concurrently with the Bulk Loadout System covered in District permit B012533.

~~2.~~ -[District Rule 1303]

3. The owner/operator shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:

~~a.~~ (a) Monthly stack observation date and result (using USEPA Method 22, and USEPA ~~Method 9 if necessary~~ Method 9 when visible emissions are detected).

~~b.~~ (b) Monthly readings of differential pressure drop, date and value - differential pressure drop shall not exceed manufacturer recommendations.

~~c.~~ (c) Annual bag and bag suspension system inspection date and results.

~~d.~~ (d) Date of bag replacements.

(e) Date and nature of any system repairs.

~~e.~~ [District Rules 401; 1303]

4. The maximum grain loading in the stack of this dust collector shall not exceed 0.005 grains per dscf and the emissions of particulates (PM10) shall not exceed 0.043 lb/hr.

[District Rules 404; 1303- BACT]

5. The owner/operator shall conduct an initial compliance test within 90 days of initial operation of the Supo Bulk Loadout System (B012533) in accordance with CARB/USEPA Method 5 to show compliance with Condition 4. A USEPA Method 9 shall also be performed during the initial operation compliance test.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~5.~~ [District Rules 404; 1303]

6. The owner/operator shall maintain on site a minimum inventory of replacement bags. [District Rule 1303]

614. SUPO DRYER DISCHARGE AND PRODUCT TRANSFER TO STORAGE SILOS DUST COLLECTOR; MDAQMD PERMIT # C012950; consisting of:
DESCRIPTION/CAPACITY:

- Make & Model: SCHENCK PROCESS, 96ST49 or Equivalent
- Air Volume: 1900 scfm
- Filter Area: 615 ft²
- Air to Cloth: 3.1:1
- Exhaust Air Fan: 7.5 HP

PERMIT CONDITIONS:

1. The owner/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

~~1.~~ [District Rules 204; 1303]

2. This equipment shall be operated concurrently with the Supo Dryer System covered in District permit B012530 and Supo Transfer and Storage Silos covered in District permit B012531.

~~2.~~ [District Rules 204; 404; 1303]

3. The owner/operator shall have a continuing program of maintenance inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. Logging of these data shall be kept on-site for a

minimum of five (5) years. This log shall be provided to District personnel on request. This program shall include, but not be limited to:

- ~~a.~~ (a) Monthly stack observation date and result (using USEPA Method 22, and USEPA Method 9, if necessary).
- ~~b.~~ (b) Monthly readings of pressure drop, date and value - pressure drop shall not exceed manufacturer recommendations.
- ~~c.~~ (c) Annual bag and bag suspension system inspection date and results.
- ~~d.~~ (d) Date of bag replacements.
- ~~e.~~ (e) Date and nature of any system repairs.

 [District Rules s 204; 1303]

4. The maximum grain loading in the stack of this bin vent shall not exceed 0.005 grains per dscf and the emissions of particulates (PM) shall not exceed 0.081 lb/hr.

4. -[District Rules s 204; 404; 1303]

5. The owner/operator~~O/O~~ at a minimum shall conduct an initial compliance test in accordance to CARB/USEPA Method 5 to show compliance with Condition 4. The testing shall be within 90 days of initial operation of the Supo Dryer System (B012530) and Supo Transfer and Storage Silos (B012531).

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District not later than forty-five (45) days after the source test date. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

5. -[District Rules s 404; 1303]

6. The owner/operator~~O/O~~ shall maintain on site a minimum inventory of replacement filter cartridges.

6. -[District Rule 1303]

B. EQUIPMENT DESCRIPTION: ARGUS PLANT:

1. ~~MDAQMD PERMIT # B000534; BICARBONATE CRYSTALLIZER #NO. 1, MDAQMD PERMIT # B000534—CONSISTING OF THE FOLLOWING EQUIPMENT:~~

DESCRIPTION/CAPACITY:

Description / Capacity:

Capacity; 180,000 gallons.
Dimensions; 30 ft diameter x 34 ft high.
60 hp agitator drive motor.

PERMIT CONDITIONS:

- All equipment shall be maintained/operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

2.- ~~MDAQMD PERMIT # B000535; BICARBONATE CRYSTALLIZER #NO. 3, MDAQMD PERMIT # B000535—CONSISTING OF THE FOLLOWING EQUIPMENT:~~

DESCRIPTION-/CAPACITY:

Capacity; 180,000 gallons.
Dimensions; 30 ft diameter x 34 ft high.
60 hp agitator drive motor.

PERMIT CONDITIONS:

- All equipment shall be maintained/operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. ~~MDAQMD PERMIT # B000537; SODA ASH PRODUCTION LINE NO. 1; MDAQMD PERMIT # B000537CONSISTING OF THE FOLLOWING EQUIPMENT:~~

DESCRIPTION / CAPACITY:

—For rating purposes, horsepower is converted assuming —2550 Btu/hr per horsepower-hour:

Capacity	Equipment Name	Order
	2 parallel Pre-Dryer Shells, 13.3' D x 100' L (Stansteel, housing the belt conveyors)	1
0.13	Bicarbonate Filter, 2 @ 25 hp	2
0.03	Filter Cake Belt Conveyors, 2 @ 5 hp ea	3
0.20	Blender Feed Screw Conveyors, 2 @ 40 hp ea	4
0.20	NaHCO ₃ Blenders, 2 @ 40 hp, 4' D x 25' L	5
0.20	Drag Chain Conveyors, 2 @ 40 hp ea	6

Capacity	Equipment Name	Order
0.1 59	Screw Conveyors, 2 @ 20 30 hp ea	7
0.2 0 15	Dryer Feed Screw Conveyors, 2 @ 40 30 hp ea	8
	2 parallel Dryers, 12' D x 100' L, each steam heated, original fabrication by Stansteel	9
1.28	Dryer Drives, 2 @ 250 hp ea	10
0.0 3 82	Emergency Drives, 2 @ 37.5 hp ea	11
0.20	Bicarbonate Dryer Discharge Screw Conveyors, 2 @ 40 hp ea	12
0.20	Bucket Elevators, 2 @ 40 hp ea	13
0.05	Drag Chain Conveyor, 1 @ 20 hp	14
	Product Cyclone, 6' D x 17' L	15
	Air Lock	16
0.08	Bleacher Feed Screw Conveyor, 30 hp	17
12.65	Bleacher, 13.5' D x 100' L, Stansteel, natural gas.	18
0.38	Bleacher Drives, @ @ 75 hp ea	19
0.01	Emergency drives, 2 @ 1.5 hp ea	20
0.04	Combustion Air Blower, 15 hp	21
0.13	Bleacher Discharge Screw, 50 hp	22
0.10	Drag Chain Conveyor, 40 hp	22
	Mono Crystallizer Tank, 16' D and 26' H	24
0.13	Crystallizer Agitator, 50 hp	25
0.7 6 89	Crystallizer Circulation pump, 30 50 hp	26
0.38	Slurry Pumps, 3 @ 50 hp ea	27
0.08	Delumper Pump, 30 hp	28
0.31	Classifier Pumps, 3 @ 40 hp ea	29
	Dissolver Tank, 11' D and 15' H	30
0.19	Dissolver Pumps, 2 (1 spare) @ 75 hp ea	31
	DSM Screen Filter	32
	Centrifuges, 2	33
0.06	Monohydrate Dryer Feed Screw Conveyor, 25 hp	34
	Monohydrate Dryer; Stansteel, 10' D x 100' L, steam heated	35
0.64	Monohydrate Drives, 250 hp	36
0.08	Monohydrate Screw Conveyor, 30 hp	37
0.10	Monohydrate Bucket Elevator, 40 hp	38
0.03	Belt Conveyor, 10 hp	39
0.1	Two Feed Screw Conveyors, 20 hp each	40
0.1	Bucket Elevator, 25 hp	41
	NOTE: The following 6 items are also COMMON to LINES 2 and 3.	42

Capacity	Equipment Name	Order
0.15	Sweeco Rotex Feeders, 6 @ 10 hp	43
0.15	Fan, Recycle - ESP exhaust to Monohydrate Dryer, 60 hp	44
0.08	Sweeco Rotex Shaker Screens, 6 @ 5 hp ea, in Shaker House	45
0.15	Hammer Mill, 60 hp	46
0.007	Conveyor, Hammer Mill Belt, 4.53.0 hp	47
0.15	Conveyors, E & W Loadout Belt, 2 @ 30 hp ea	48

PERMIT CONDITIONS:

- This soda ash production line (No. 1) shall not be operated unless vented to all the following functioning pollution control devices, as applicable:
 - ~~(a)~~ a. Bleacher feed baghouse (District permit C000533).
 - ~~(b)~~ b. Bleacher exhaust ESP while the bleacher is fired (District permit C000544), common to lines 2 and 3.
 - ~~(c)~~ c. Monohydrate crystallizer scrubber (District permit C000553).
 - ~~(d)~~ d. Monohydrate dryer scrubber (District permit C000527).
 - ~~(e)~~ e. Screen plant baghouse; common to lines 2 and 3 (District permit C000532).
 - ~~(f)~~ f. Monohydrate Elev. No. 1 baghouse (District permit C003533).

[District Rule 204]

- All equipment shall be maintained/operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

- Bi-Carb dryers shall be operated with sufficient negative pressure to eliminate dusting.
[District Rule 204]

- The owner / operator shall maintain an operations/maintenance log for this equipment on site for at least five (5) years, and shall make the log available to District, state or federal personnel upon request. This log shall include, at a minimum, the following:
 - Monthly bleacher production (in tons);
 - Inspections, repairs and maintenance. [SH5]

[District Rule 204]

- ~~**MDAQMD PERMIT # B000538; SODA ASH PRODUCTION LINE NO. 2, MDAQMD PERMIT # B000538-CONSISTING OF THE FOLLOWING EQUIPMENT:**~~

~~DESCRIPTION / CAPACITY:~~

~~For rating purposes, horsepower is converted assuming —2550 Btu/hr per horsepower-hour:~~

Capacity	Equipment Name
	Pre-Dryer Shells in parallel, 2, each 13.3' ft. Diameter, 100 ft long, original fabrication by Stansteel, which house the belt conveyors

Capacity	Equipment Name
30.00	Bicarbonate Filer, 1 at 30 HP
10.00	Filter Cake Belt Conveyors, 2 at 5 HP
80.00	Blender Feed Screw Conveyors, 2 at 40 HP
80.00	NaHCO ₃ Blenders, 2 at 40 HP, 4' dia, and
80.00	Drag Chain Conveyors, 2 at 40 HP each
40.00	Screw Conveyors, 2 at 20 HP each
80.00	Dryer Feed Screw Conveyors, 2 at 40 HP each
0.00	Dryers in parallel, two, 12' dia and 100' L, each steam heated, original fabrication by Stansteel
80.00	Bicarbonate Dryer Discharge Screw Conveyors, 2 at 40 HP each
500.00	Dryer Drives, 2 at 250 HP each
0.00	Emergency Drives, 2 at 3 HP each
20.00	Drag Chain Conveyor, 1 at 20 HP
0.00	Product Cyclone, 6' dia x 17'
0.00	Air Lock
30.00	Bleacher Feed Screw Conveyor
	Bleacher, 13.5 ft diameter and 100 ft long, natural gas fired, fabricated by Stansteel and rated @ 12.65×10^6 Btu/hr
150.00	Bleacher Drives, 2 at 75 HP each
0.00	Emergency Drives, 2 at 1.5 HP each
15.00	Combustion Air Blower, 1 at 15 HP
50.00	Bleacher Discharge, 1 at 50 HP
40.00	Drag Chain Conveyor, 1 at 40 HP
0.00	Mono Crystallizer Tank, 16' dia and 26' H
50.00	Crystallizer Agitator, 1 at 50 HP
300.00	Crystallizer Circulation pump, 1 at 300 HP
150.00	Slurry Pumps, 3 at 50 HP
30.00	Delumper Pump
120.00	Classifier Pumps, 3 at 40 HP each
0.00	Dissolver Tank, 11' dia and 15' H
20.00	Conveyor, No. 3 Transfer
75.00	Dissolver Pumps, 2 (1 spare) at 75 HP each
0.00	DSM Screen Filter
0.00	Centrifuges, 2
0.038	Centrifuge Feed Belt Conveyor, 15 HP
0.013	Centrifuge Feed Screw, 5 HP
0.013	Centrifuge Feed Screw, 5 HP

Capacity	Equipment Name
0.038	Centrifuge Discharge Screw, 15 HP
0.038	Intermediate Screw, 15 HP
0	Centrifuges,2
25.00	Monohydrate Dryer Feed Screw Conveyor,
0.00	Monohydrate Dryer, Stansteel, 10' dia x 100' L,
250.00	Monohydrate Drives, 1 at 250 HP
30.00	Monohydrate Screw Conveyor, 1 at 30 HP
40.00	Monohydrate Bucket Elevator, 1 at 40 HP
10.00	Belt Conveyor, 1 at 10 HP
0.1	Two Feed Screw Conveyors, 20 hp each
0.1	Bucket Elevator, 25 hp

PERMIT CONDITIONS:

1. This soda ash production line (No. 2) shall not be operated unless vented to all the following functioning pollution control devices, as applicable:

- ~~a.(a)~~ —Bleacher feed baghouse (District permit C000539).
- ~~b.~~ (b) Bleacher exhaust ESP while the bleacher is fired (District permit C000544), common to lines 1 and 3.
- ~~e.(c)~~ —Monohydrate crystallizer scrubber (District permit C000556).
- ~~d.(d)~~—Monohydrate dryer scrubber (District permit C000545).
- ~~e.(e)~~—Screen plant baghouse; common to lines 1 and 3 (District permit C000532).

[District Rule 204]

2. All equipment shall be maintained/operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. Bi-Carb dryers shall be operated with sufficient negative pressure to eliminate dusting.

[District Rule 204]

4. The owner / operator shall maintain an operations/maintenance log for this equipment on site for at least five (5) years, and shall make the log available to District, state or federal personnel upon request. This log shall include, at a minimum, the following:

- (a) Monthly bleacher production (in tons);
- (b) Inspections, repairs and maintenance. [SH6]

[District Rule 204]

5. ~~**MDAQMD PERMIT # B000547; SODA ASH PRODUCTION LINE NO. 3, MDAQMD PERMIT # B000547; CONSISTING OF THE FOLLOWING EQUIPMENT:**~~

DESCRIPTION/-CAPACITY:

-For rating purposes, horsepower is converted assuming 2550 Btu/hr per horsepower-hour:

Capacity	Equipment Name
	Pre-dryer Shells in parallel, 2, each 13.3' dia, 100'L, original fabrication by Stansteel, which house the belt conveyors
25.00	Bicarbonate Filter, 1 @ 25 hp
10.00	Filter Cake Belt Conveyors, 2 @ 5 hp ea
80.00	Blender Feed Screw Conveyors, 2 @ 40 hp ea
80.00	NaHCO ₃ Blenders, 2 @ 40 hp, 4' dia, and 25'L ea
80.00	Drag Chain Conveyors, 2 @ 40 hp ea
40.00	Screw Conveyors, 2 @ 20 hp ea
100.00	Dryer Feed Screw Conveyors, 1 @ 40 hp and 1 @ 60 hp
	Dryers in parallel, 2, 12' dia and 100'L, each steam heated, original fabrication by Stansteel
500.00	Dryer Drives, 2 @ 250 hp ea
	Emergency Drives, 2 @ 3 hp ea
80.00	Bicarbonate Dryer Discharge Screw Conveyors, 2 @ 40 hp ea
50.00	Bucket Elevators, 2 @ 25 hp ea
20.00	Drag Chain Conveyor, 1 @ 20 hp
	Product Cyclone, 6' dia x 17'
	Air Lock
30.00	Bleacher Feed Screw Conveyor
	Bleacher, 13.5' dia and 100'L, natural gas fired, fabricated by Stansteel and rated @ 12.65×10^5 Btu/hr
150.00	Bleacher Drives, 2 @ 75 hp ea
	Emergency Drives, 2 @ 1.5 hp ea
15.00	Combustion Air Blower, 1 @ 15 hp
50.00	Bleacher Discharge, 1 @ 50 hp
40.00	Drag Chain Conveyor, 1 @ 40 hp
	Mono Crystallizer Tank, 16' dia and 26'H
50.00	Crystallizer Agitator, 1 @ 50 hp
300.00	Crystallizer Circulation pump, 1 @ 300 hp
150.00	Slurry Pumps, 3 @ 50 hp ea
30.00	Delumper Pump
120.00	Classifier Pumps, 3 @ 40 hp ea
	Dissolver Tank, 11' dia and 15'H
75.00	Dissolver Pumps, 2 (1 spare) @ 75 hp ea
	DSM Screen Filter
	Centrifuges, 2
25.00	Monohydrate Dryer Feed Screw Conveyor, 1 @ 25 hp

Capacity	Equipment Name
	Monohydrate Dryer; Stansteel, 10' dia x 100'L, steam heated
250.00	Monohydrate Drives, 1 @ 250 hp ea
30.00	Monohydrate Screw Conveyor, 1 @ 30 hp
40.00	Monohydrate Bucket Elevator, 1 @ 40 hp
10.00	Belt Conveyor, 1 @ 10 hp
0.1	Two Feed Screw Conveyors, 20 hp each
0.1	Bucket Elevator, 25 hp

PERMIT CONDITIONS:

1. This soda ash production line (No. 3) shall not be operated unless vented to all the following functioning pollution control devices, as applicable:
 - ~~a. (a)~~ Bleacher feed baghouse (District permit C000548).
 - ~~b. (b)~~ Bleacher exhaust ESP while the bleacher is fired (District permit B000544), common to lines 1 and 2.
 - ~~c. (c)~~ Monohydrate crystallizer scrubber (District permit C000552).
 - ~~d. (d)~~ Monohydrate dryer scrubber (District permit C000549).
 - ~~e. (e)~~ Screen plant baghouse; common to lines 1 and 3 (District permit C000532).
 - ~~f. (f)~~ Monohydrate elev. No. 3 baghouse (District permit C003534).

[District Rule 204]

2. The owner / operator shall operate and maintain this equipment in strict accord to the recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. Bi-Carb dryers shall be operated with sufficient negative pressure to eliminate dusting.

[District Rule 204]

4. The owner / operator shall maintain an operations/maintenance log for this equipment on site for at least five (5) years, and shall make the log available to District, state or federal personnel upon request. This log shall include, at a minimum, the following:

- (a) Monthly bleacher production (in tons); and
- (b) Inspections, repairs and maintenance.^[SH7]

[District Rule 204]

6. **BAGHOUSE (BLEACHER FEED BIN NO. 1); MDAQMD PERMIT # C000533:**
~~Serves the Bleacher Feed Bin - Wheelabrator-Frye, model 108, collects particulate matter from Bleacher Feed Bin No. 1 and Bicarb Dryer Product elevators (Soda Ash Line No. 1):~~

DESCRIPTION/CAPACITY:

Serves the Bleacher Feed Bin - Wheelabrator-Frye, model 108, collects particulate matter from Bleacher Feed Bin No. 1 and Bicarb Dryer Product elevators (Soda Ash Line No. 1):

- ~~Exhaust Fan: 100 hp~~
- ~~Bags, 216, each 6" dia x 108"L (total area 3,053 ft²)~~

~~_____~~ A/C ratio: 6:1

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, ~~_____~~ C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

~~_____~~ [District Rule 1303(B) - Offsets]

2. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. This equipment shall be operated concurrently with Nos. 1 Soda Ash Production line (District permit B000537).

~~_____~~ [District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

~~_____~~ [District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on-site and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

5. The owner / operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

~~_____~~ [District Regulation IV]

6. The owner/operator shall conduct periodic compliance tests relative to District Rules 404 ~~_____~~ and 405 and to establish PM10 emissions at a 0.85 fraction (lb/ton of throughput). Testing shall be ~~every three years~~ conducted at least once every thirty-six

~~(36) months starting in 2001 and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

~~The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]~~

~~7. The pollutant-specific emissions unit (B000537), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~212~~ to ~~669.5~~ inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:~~

- ~~(a) Inspect the affected equipment,~~
- ~~(b) Initiate a corrective action, within 24 hours; and,~~
- ~~(c) Report/Document the excursion in the log book required under condition 4. [40 CFR 64.7(d)]~~

~~8. The o/o must conduct daily 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4. [40 CFR 64.7(a)]~~

~~7. **BAGHOUSE (BLEACHER FEED BIN NO. 2); MDAQMD PERMIT #**
C000539:~~

~~**DESCRIPTION/CAPACITY:**~~

- ~~Serves the Bleacher Feed Bin - Wheelabrator-Frye, model 108, collects particulate matter from Bleacher Feed Bin No. 2 and Dryer Product Elevators (Soda Ash Line No. 2).~~
- ~~Exhaust Fan: 100 hp~~
- ~~Bags, 216, each 6" dia x 108"L (total area 3,053 ft²)~~
- ~~A/C ratio: 6:1~~

~~**PERMIT CONDITIONS:**~~

- ~~1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year~~

combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, ~~C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.~~

[District Rule 1303(B) - Offsets]

2. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. This equipment shall be operated concurrently with No. 2 Soda Ash Production line (District permit B000538).

[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on-site and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

5. The owner / operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[District Regulation IV]

6. The owner/operator shall conduct periodic compliance tests relative to District Rules 404 ~~and 405~~ and to establish PM10 emissions at a 0.85 fraction (lb/ton of throughput). ~~Testing shall be conducted at least once every thirty-six (36) months every three years starting in 2001 and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the

compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]

7. The pollutant-specific emissions unit (B000538), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~221~~ to ~~6642~~ inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.
- [40 CFR 64.7(a)]

8. BAGHOUSE (BLEACHER FEED BIN NO. 3); MDAQMD PERMIT # C000548:
DESCRIPTION/CAPACITY:

Collects particulate matter from Bleacher Feed Bin No. 3 and Bicarb Dryer Product Elevators (Soda Ash Line No. 3), Bleacher Feed Bin - Wheelabrator-Frye model 108, with the following specifications:

- Exhaust Fan: 100 hp
- Bags: 216, each @ 6" dia x 108"L (total area 3,053 ft²)
- A/C ratio: 6:1:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): -C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
- [District Rule 1303(B) - Offsets]

2. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. This equipment shall be operated concurrently with No. 3 Soda Ash Production line (District permit B000547).

[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

~~[District Rule 204; 40 CFR 64]The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on-site and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

5. The owner/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[District Regulation IV]

6. The owner/operator shall conduct periodic compliance tests relative to District Rules 404 —and 405 and to establish PM10 emissions at a 0.85 fraction (lb/ton of throughput).—Testing shall be conducted at least once every thirty-six (36) monthsevery three years starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. The pollutant-specific emissions unit (B000547), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 212 to 686 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
- (b) Initiate a corrective action, within 24 hours; and,
- (c) Report/Document the excursion in the log book required under condition 4.

[40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

9. ELECTROSTATIC PRECIPITATOR (ESP)/CYCLONES; MDAQMD PERMIT # C000544:

~~(Collect particulate matter from three Bleachers from Soda~~
~~DESCRIPTION/CAPACITY:~~

Collects particulate matter from three Bleachers from Soda Ash Production Lines Nos. 1, 2, and 3 with the following specifications:

Cyclones: -Stansteel Cyclones, 2 in parallel to each bleacher, 63" dia x 80"

ESP: -Research-Cottrell, 272 kVA; Exhaust Fan: 500 hp (spared); ~~Gas~~; Gas temperature: approximately 600 degrees F):

PERMIT CONDITIONS:

1. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
2. This equipment shall be operated while one of the bleachers on Soda Ash Production Lines 1, 2, and 3 is fired (District permits B000537, B000538, and B000547, respectively).
[District Rule 204]
3. Only one exhaust fan shall be operated on the ESP at a time.
[District Rule 204]
4. The maintenance/inspection program shall be in accordance with the manufacturer's

recommendations and/or sound engineering principles.

[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- (a) Daily primary voltage/current/precipitator secondary voltage and current readings (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual inspection of ESP voltage and currents Annual internal inspection (date and results);
 - (d) Date and nature of any repairs made, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]The owner / operator shall maintain an operations/maintenance log for this equipment on site for at least five (5) years, and shall make the log available to District, state or federal personnel upon request. This log shall include, at a minimum, the following:

- a. Monthly bleacher production (in tons); and
- b. Inspections, repairs and maintenance.

6. The owner-/operator shall conduct ~~annual~~ compliance tests at least once every twelve (12) months relative to District Rules 404 —and 405, and for PM10 at a 0.85 fraction (lb/ton of throughput), NOx (lb/hr and lb/ton of throughput), VOC (lb/hr and lb/ton of throughput), and SOx (lb/hr and lb/ton of throughput). ~~The test results shall be submitted to the District not later than six weeks prior to the expiration date of this permit each year.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. This equipment shall not emit to the atmosphere pollutants in excess of the following limits (compliance with this condition shall be demonstrated with annual source test results and annual production records):
- ~~a.(a)-~~ 49.3 tons of NOx per year

~~b.(b)-~~ 2.5 tons of VOC per year
~~e.(c)~~ 600 lbs of SOx per year
[District Rule 1303(B)]

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions units (B000537, B000538, and B000547), for which this ESP controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a primary/precipitator voltage/current secondary power differential pressure outside the greater/less than range of 2 to 6 BB33.75 kWkV; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 5.

[40 CFR 64.7(d)]

10. The o/o must conduct daily 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.

[40 CFR 64.7(a)]

10. SCRUBBER (CRYSTALLIZER NO. 1); MDAQMD PERMIT # C000553:
DESCRIPTION/CAPACITY:

~~++~~ (Induced Draft Fan to move 13,200 ACFM @ 180 degrees F which serves the No. 1 Monohydrate Crystallizer - 100 hp.; American Air Filter size 20 Kinpactor Venturi Scrubber. Water pumps (common to Soda Ash Production Lines #2 & #3.) Note: This equipment replaces Venturi installed in August, 1979:

PERMIT CONDITIONS:

1. All equipment shall be operated and maintained in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

2. The Argus No. 1 monohydrate crystallizer and bucket elevator operating under District Permit B000537 shall not be operated unless the emissions are vented to this scrubber. [District Rule 204]

3. The scrubber shall be equipped with a water flow meter and pressure gauge to allow for the measurements of the scrubber liquor flow rate and pressure to the scrubber. [District Rule 204]

4. The scrubber shall be equipped with a pressure gauge to allow for the measurements of the pressure drop across the scrubber. [District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements and nature of any repairs, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.[District Rule 204; 40 CFR 64] The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be kept in a log on-site for a minimum of five (5) years. This log shall be provided to District personnel on request.

6. The owner/-operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction (lb/ton of throughput). Testing shall be every three years conducted at least once every thirty-six (36) months starting in 2001, and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45)

days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

7. A compliance test for PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput) shall be performed within 90 days after the installation and initial operation of the Soda Ash Line No. 1 bucket elevator that demonstrates no net increase of PM10 emissions relative to historical emissions from this equipment while the bucket elevator is in operation.

[District Rules 404, 405, and 1303(B)]

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions unit (B000537), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 25 to 621 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(e)(c) Report/Document the excursion in the log book required under condition 5.
[40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.

[40 CFR 64.7(a)]

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14. **SCRUBBER (CRYSTALLIZER NO. 2); MDAQMD PERMIT # C000556:**
DESCRIPTION/CAPACITY:

Monohydrate Crystallizer No. 2, Emtrol Venturi Scrubber, Type W20 specification No. SX-005, Size 24/57W20, equipped with an adjustable, ventrical venturi throat with a 24" inlet and outlet, a 57" dia cyclonic separator, straightening vanes, mist eliminator. Operating pressure drop of up to 21" WC. Water flow rate ranging from 150 gpm to 280 gpm. Water pumps common to Soda Ash Trains 1 & 3. ID fan with a 100 bhp motor and an air flow of 3400 DSCFM.

PERMIT CONDITIONS:

1. All equipment shall be operated and maintained in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

2. The Argus No. 2 monohydrate crystallizer and bucket elevator operating under District Permit B000538 shall not be operated unless the emissions are vented to this scrubber.
[District Rule 204]

3. The scrubber shall be equipped with a water flow meter and pressure gauge to allow for the measurements of the scrubber liquor flow rate and pressure to the scrubber.
[District Rule 204]

4. The scrubber shall be equipped with a pressure gauge to allow for the measurements of the pressure drop across the scrubber.
[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable
Annual internal inspection (date and results);
 - (d) Date and nature of any repairs, and
nd

©(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be kept in a log on site for a minimum of five (5) years. This log shall be provided to District personnel on request.~~

6. The owner / operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be every three years conducted at least once every thirty-six (36) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

~~The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov~~

~~[District Rules 404, 405, and 1303(B)(B)]~~

7. A compliance test for PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput) shall be performed within 90 days after the installation and initial operation of the Soda Ash Line No. 2 bucket elevator that demonstrates no net increase of PM10 emissions relative to historical emissions from this equipment while the bucket elevator is in operation.

~~[District Rules 404, 405, and 1303(B)3(B)]~~

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

~~[District Rule 1300-3(B) - Offsets]~~

9. The pollutant-specific emissions unit (B000538), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 21 to 612 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the

following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and
 - (c) Report/Document the excursion in the log book required under condition 5.
- [40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
- [40 CFR 64.7(a).7(a)]

12. SCRUBBER (CRYSTALLIZER NO. 3); MDAQMD PERMIT # C000552:

DESCRIPTION/CAPACITY:

Monohydrate Crystallizer - Ducon Venturi Scrubber with 100 hp fan and scrubber water pumps (common to permit C000527). This equipment vents Crystallizer No. 3:

PERMIT CONDITIONS:

1. All equipment shall be operated and maintained in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
2. The Argus No. 3 monohydrate crystallizer and bucket elevator operating under District Permit B000547 shall not be operated unless the emissions are vented to this scrubber. [District Rule 204]
3. The scrubber shall be equipped with a water flow meter and pressure gauge to allow for the measurements of the scrubber liquor flow rate and pressure to the scrubber.
[District Rule 204]
4. The scrubber shall be equipped with a pressure gauge to allow for the measurements of the pressure drop across the scrubber.
[District Rule 204]
5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;

- (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable
Annual internal inspection (date and results);
- (d) Date and nature of any repairs, and
- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be kept in a log on-site for a minimum of five (5) years. This log shall be provided to District personnel on request.~~

6. The owner-/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall ~~be every three years~~ be conducted at least once every thirty-six (36) months starting in 2001.

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

7. A compliance test for PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput) shall be performed within 90 days after the installation and initial operation of the Soda Ash Line No. 3 bucket elevator that demonstrates no net increase of PM10 emissions relative to historical emissions from this equipment while the bucket elevator is in operation.

[District Rules 404, 405, and 1303(B)]

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

~~[District Rule 1303(B) - Offsets]~~

9. ~~The pollutant-specific emissions unit (B000547), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 25 to 621 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:~~

- ~~(a) Inspect the affected equipment,~~
- ~~(b) Initiate a corrective action, within 24~~h~~4 hours; and,~~
- ~~(c) Report/Document the excursion in the log book required under condition 5.~~

~~[40 CFR 64.7(d)]~~

10. ~~The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.~~

~~[40 CFR 64.7(a)]~~

13. SCRUBBER, VENTURI, (SODA ASH PROCESS; MDAQMD PERMIT # C000527); — Scrubber No.1, Monohydrate Dryer — 2-stage Polycon, model 1513 MSC with the following appurtenant equipment:

DESCRIPTION/CAPACITY:

~~Scrubber No.1, M—Monohydrate Dryer - 2-stage Polycon, model 1513 MSC with the following appurtenant equipment:~~

Capacity	Equipment Name
200.00	Exhaust Fan
2 60.00	Water Pump - 200 hp, 60 hp (common to Soda Ash Production Lines No. 2 and 3 Monohydrate Dryer and Crystallizer Scrubbers)
	Spare Water Pump @ 200 hp

PERMIT CONDITIONS:

1. All equipment shall be maintained and operated in strict accord with recommendations of ~~the~~ manufacturer/supplier and/or sound engineering principles.
~~[District Rule 204]~~
2. This equipment shall be operated concurrently with Soda Ash Production Line No. 1 ~~(District permit B000537).~~
~~[District Rule 204]~~

3. The maintenance/inspection program shall be in accordance with ~~h~~ the manufacturer's recommendations and/or sound engineering principles.

[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- (a) Daily reading of scrubber pressure drop (date and value);
- (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined ~~in~~ in condition 10;
- (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable ~~Annual internal inspection~~ (date and results);
- (d) Date and nature ~~of~~ of any repairs, and
- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

5. The owner / operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall ~~be every three years~~ conducted at least once every thirty-six (36) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules ~~404~~404, 405, and 1303(B)]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

~~-----~~[District Rule 1303(B) - Offsets]

7. The pollutant-specific emissions unit (B000537), for which this scrubber ~~Scrubber~~

controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 25 to 621 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action—wi, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. ———The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

14. BAGHOUSE, (MONOHYDRATE ELEVATOR NO. 1); MDAQMD PERMIT #
————C003533:

DESCRIPTION/CAPACITY:

- Manufactured by Wheelabrator Air Pollution Control and serving the top of No. 1
- Monohydrate Elevator, the transfer point from the No. 1 elevator to the conveyor and the
- top of No. 2 Monohydrate Elevator with the following specifications:
- Model: 3'6-44SH
- Bags: 64 w/ea 6.0" x 10'L
- A/C Ratio: 2.1 x 1
- Rotary Airlock: 2"hp
- Fan: 20 hp
- Stack: 17" diameter & 65' high and 170 degrees F at 5500 acfm & 58.8 ft/sec:

PERMIT CONDITIONS:

1. The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The owner / operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation ~~IV~~.
[District Rule 204]
3. This equipment shall be operated concurrently with Soda Ash Production Line No. 1 covered in District permit B000537.
[District Rule 204]

4. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules.

[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as set out in condition 9;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 8.

~~[District Rule 204; 40 CFR 64]This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, is required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.~~

6. The owner-/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). —Testing shall be ~~every five years conducted at least once every sixty (60) months starting in 2001, and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669,

C003670, C003673, C003675, C003676, C003677, C004542, C004543, ~~C~~004544.
[District Rule 1303(B) - Offsets]

8. The pollutant-specific emissions unit (B000537), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~220.5~~ to ~~663~~ inches of column; and/or the presence of visible emissions, as demonstrated by condition 9. Any excursion of the CAM Plan requires the owner operator to do the following:
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective ~~ae a~~ction, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 5.
- [40 CFR 64.7(d)]
9. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
- [40 CFR 64.7(a)]

15. **SCRUBBER ~~(, DRYER NO. 2);~~ MDAQMD PERMIT # C000545:**
DESCRIPTION/CAPACITY:

Monohydrate Dryer, 2-stage Polycon model 1513 MSC.

Exhaust Fan: 200 hp

Water Pump (common to Soda Ash Production Lines Nos. 1 and 3) Monohydrate Dryer

Water Pump

This equipment handles gas from Soda Ash Production Line No. 2 Monohydrate Dryer:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, ~~C~~004544.
- [District Rule 1303(B) - Offsets]
2. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise ~~ne~~ noted below.
- [District Rule 204]

3. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
4. This equipment shall be operated concurrently with No. 2 Soda Ash Production line (District permit B000538).
[District Rule 204]
5. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[District Rule 204]
6. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary), as outlined in condition 10;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable
Annual internal inspection (date and results);
 - (d) Date and nature of any repairs, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

~~[District Rule 204; 40 CFR 64]The owner/operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on-site and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~
7. The owner/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be ~~every three years~~ conducted at least once every thirty-six (36) months starting in 2002 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~
The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

8. This equipment may be used for dust control on the No. 2 Monohydrate Crystallizer when the No. 2 Monohydrate Dryer is not being operated.

[District Rule 204]

9. The pollutant-specific emissions unit (B000538), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 25 to 621 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 6.
[40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.
[40 CFR 64.7(a)]

16. SCRUBBER, (DRYER NO. 3);, MDAQMD PERMIT # C000549:

DESCRIPTION/CAPACITY:

2-stage Polycon model 1513 MSC with the following appurtenant equipment which handles gas from Soda Ash Production Line No. 3 Monohydrate Dryer:

— Exhaust Fan: 200 hp

Water Pump (common to Soda Ash Production Lines Nos. 1 and 2 Monohydrate Dryer and Crystallizer Scrubbers)

— Water Pump, (common to Soda Ash Production Lines Nos. 1 and 2):

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

2. All equipment shall be maintained/operated in strict accord with recommendations of the — manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. This equipment shall be operated concurrently with No. 3 Soda Ash Production line (District permit B000547).

[District Rule 204]

4. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.

[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- (a) Daily reading of scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable
Annual internal inspection (date and results);
 - (d) Date and nature of any repairs, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on site and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

6. The owner-/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). —Testing shall be ~~every three years~~ conducted at least once every thirty-six (36) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. The pollutant-specific emissions unit (B000547), for which this scrubber baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM

Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 25 to 621 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 5.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
- [40 CFR 64.7(a)]

17. BAGHOUSE (-, MONOHYDRATE ELEVATOR NO. 3);-, MDAQMD PERMIT # C003534:

DESCRIPTION/CAPACITY:

Manufactured by Wheelabrator Air Pollution Control and serving the top of No. 3 Monohydrate Elevator, the transfer point from the No. 1 elevator to the conveyor and the top of No. 2 Monohydrate Elevator with the following specifications:

- Model: 36-44SH
- Bags: 64 w/ea 6.0" x 10'L
- A/C Ratio: 2.1 x 1
- Rotary Airlock:
- Fan: 20 hp
- Stack: 17" diameter & 65' high and 170 degrees F at 5500 acfm & 58.8 ft/sec:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

[District Rule 204]

3. The owner-/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.

[District Regulation IV]

4. This equipment shall be operated concurrently with Soda Ash Production Line No. 3 covered in District permit B000547.

[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- (a) Daily reading of baghouse pressure drop (date and value);
- (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
- (c) Annual bag and bag suspension system inspection (date and results);
- (d) Date of bag replacements, and
- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures — compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.~~

6. The owner / operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall ~~be every five years~~ be conducted at least once every sixty (60) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. The pollutant-specific emissions unit (B000547), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 220.5 to 636 inches of column; and/or the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 5.
- [40 CFR 64.7(d)]
8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
- [40 CFR 64.7(a)]

18. BAGHOUSE, (SODA ASH LINES), SCREENING PLANT, MDAQMD PERMIT # C000532:

DESCRIPTION/CAPACITY:

Wheelabrator-Frye, TA model 108 series 6P, which collects particulate matter from Soda Ash (Line Nos. 1, 2, and 3) screening house and conveyors. This unit includes a pickup point from loading a truck from the collection bin of the baghouse. This unit has a 75 hp fan (14,500 dscf/min) exhausting 216 bags, whose dimensions are 6 in diameter and 108 in long for a total filter area of 3053 sq ft. The unit has an A:C ratio of 5:1. Ancillary equipment includes a 3 hp screw conveyor and a 2 hp air lock:

PERMIT CONDITIONS:

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
2. This equipment shall be operated concurrently with Nos. 1, 2, and 3 Soda Ash Production lines (District permit B000537, B000538, and B000547) and with the unloading of the baghouse collection bin to a truck for off site removal.
[District Rule 204]
3. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on-site and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

5. The owner-/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV.
[District Regulation IV]

6. The owner-/operator shall conduct periodic compliance tests to establish grain loading, TSP emissions in lb/hr and PM10 emissions in lb/ton of throughput (assuming a PM10 fraction of 0.85). Testing shall be ~~every three years~~conducted at least once every thirty-six (36) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. This baghouse shall discharge no more than 2.49 lb/hour of particulate at a maximum concentration of 0.02 -grain/dscf at the operating conditions given in the above description.
[District Rules 404, 405, and 1303(A)]~~[NSR]~~

8. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533,

C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions units (B000537, B000538, and B00547), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 2 to 866 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

19. DRYER SYSTEM, NO. 1 BICARBONATE FLUIDIZED BED; MDAQMD PERMIT # B003665; Consisting of the following equipment:

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

Capacity	Equipment Name
30.00	Pumps, Calciner Scrubber Water (2-one spare) heated
600.00	Fan, Dryer Fluidizing
500.00	Fan, Calciner
300.00	Fan, Birearbonate Bicarbonate Dryer ID
125.00	Elevator, Bicarbonate Recycle
3.00	Valve, Dryer Recycle Rotary
10.00	Crusher, Dryer Lump
2.00	Valve, Dryer Lump Rotary Cyclones, Dryer (2)
6.00	Valves, Dryer Cyclone Rotary (4@1.5)
	Scrubber, Bicarbonate Dryer

Capacity	Equipment Name
	Dryer, Bicarbonate Fluidized Bed - steam
	Scrubber, Calciner
30.00	Filter, Bicarbonate Wet
5.00	Valve, Calciner Rotary Pump
405.00	Conveyor, Bicarbonate Collecting
50.00	Conveyor, Light Ash Transfer No. 1
50.00	Conveyor, Light Ash Transfer No. 2
	Pump, Bicarbonate Filter Feed Wet
15.00	Pump, Condensate
	Pump, Bicarbonate Slurry Wet
	Pump, Filtrate Wet
40.00	Screw, Bicarbonate Dryer Feed
65.00	Spreader, Bicarbonate Dryer Feed (2@15 and 40 HP)
125.00	Pumps, Dryer Scrubber Water (2-one spare)

PERMIT CONDITIONS:

1. The owner/-operator shall operate and maintain this equipment in strict accord to the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
2. This fluidized bed bicarbonate dryer system (No. 1) shall not be operated unless all conveyors and transfer points are completely covered.
~~–[District Rules 401 and 403; Rules 404 and 405]~~
3. This bicarbonate fluidized bed dryer system, No. 1, shall not be operated unless vented to all of the following baghouses under their respective valid District permits: Transfer Conveyor No. 1, permit C003668; Transfer Conveyor No. 2, permit C003669; Transfer Conveyor No. 3, permit C003670 and Truck Loadout, permit C003667.
[District Rule 204]
4. This equipment (uncontrolled emission points) shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
 - a. ~~—(a) Crusher - fifteen (15) percent (40 CFR 60.672(eb) – Table 3)~~
 - b. ~~—(b) Transfer into initial feed hopper - twenty (20) percent (Rule 401)~~
 - e. ~~—(c) All other transfer points and fugitive emission points - ten (10) percent (40 CFR 60.672(b) – Table 3).~~[District Rule 401; 40 CFR 60.672(b)]
5. If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the opacity limit in condition 4(c) above, or the building enclosing the affected facility or facilities must comply with the following emission limits:

- (a) Fugitive emissions from the building openings (except for vents as defined in subsection 60.671) must not exceed seven (7) percent opacity; and
- (b) Vents (as defined in subsection 60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of 40 CFR 60 Subpart OOO.
[40 CFR 60.672(e)]

56. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.
[40 CFR 60, Subparts A and OOO]

~~This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.~~

20. ~~MDAQMD PERMIT # B004540; DRYER SYSTEM, NO. 2 BICARBONATE FLUIDIZED BED;~~ MDAQMD PERMIT # B004540 CONSISTING OF THE FOLLOWING EQUIPMENT:

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

Capacity	Equipment Name
	Dryer, Bicarbonate Fluidized Bed - steam heated
	Calciner, Bicarbonate Fluidized Bed
600.00	Fan, Bicarb Dryer Fluidizing
500.00	Fan, Bicarb Calciner Fluidizing
300.00	Fan, Bicarb Dryer ID
60.00	Screw, Bicarb Dryer Feed
40.00	Spreaders, Bicarb Dryer Feed (1 @ 15 hp & 1 @ 25 hp)
125.00	Elevator, Bicarb Recycle
3.00	Valve, Dryer Recycle Rotary
10.00	Crusher, Dryer Lump
1.50	Valve, Dryer Lump Rotary
	Cyclones, Dryer (2)
6.00	Valves, Dryer Cyclone Rotary (4 @ 1.5 hp ea)
	Scrubber, Bicarb Dryer
120.00	Pumps, Dryer Scrubber Water (2, one spare)
	Scrubber, Calciner
30.00	Pumps, Calciner Scrubber Water (2, one spare)
40.00	Conveyor, Bicarb Collecting
25.00	Conveyor, No. 1 Bleacher Bin
15.00	Pump, Condensate (2, one spare)

Capacity	Equipment Name
2.00	Conveyor, Calciner Fines Screw
1.50	Valve, Bicarb Calciner Discharge Rotary
5.00	Screw, Dryer Cyclone Fines
10.00	Screw, Dryer Recycle
	The following are common with No.1 Bicarb Fluid Bed Dryer:
	Conveyor, Bicarb Collecting
	Conveyor, Light Ash Transfer No. 1
	Conveyor, Light Ash Transfer No. 2

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. The owner-/operator shall operate and maintain this equipment in strict accord to the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. This fluidized bed bicarbonate dryer system (No. 2) shall not be operated unless all conveyors and transfer points are completely covered.
~~—[District Rules 401 and 403; Rules 404 and 405]~~
4. This bicarbonate fluidized bed dryer system (No. 2) shall not be operated unless vented to all the following functioning pollution control devices:
 - ~~— aA. ————— (a) — Bicarb No. 2 Transfer Conveyor No. 1 Baghouse (C004542).~~
 - ~~— bB. ————— (b) — Bicarb No. 2 Transfer Conveyor No. 2 Baghouse (C004543).~~
 - ~~— cC. ————— (c) — Bicarb No. 2 Transfer Conveyor No. 3 Baghouse (C004544).~~
 - ~~— dD. ————— (d) — Bicarb No. 1 Transfer Conveyor No. 1 Baghouse (C003668).~~
 - ~~— eE. ————— (e) — Bicarb No. 1 Transfer Conveyor No. 2 Baghouse (C003669).~~
 - ~~— fF. ————— (f) — Bicarb No. 1 Transfer Conveyor No. 3 Baghouse (C003670).~~[District Rule 204]
5. This equipment (uncontrolled emission points) shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:
 - (a) Crusher - fifteen (15) percent (40 CFR 60.672(b) – Table 3)
 - (b) Transfer into initial feed hopper - twenty (20) percent (Rule 401)
 - (c) All other transfer points and fugitive emission points - ten (10) percent (40 CFR 60.672(b) – Table 3).[District Rule 401; 40 CFR 60.672(b)]

6. If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the opacity limit in condition 5(c) above, or the building enclosing the affected facility or facilities must comply with the following emission limits:
- (a) Fugitive emissions from the building openings (except for vents as defined in subsection 60.671) must not exceed seven (7) percent opacity; and
- (b) Vents (as defined in subsection 60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of 40 CFR 60 Subpart OOO.
[40 CFR 60.672(e)]
7. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.
[40 CFR 60, Subparts A and OOO]
4. ~~This equipment (uncontrolled emission points) shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:~~
- ~~a. Crusher – fifteen percent (40 CFR 60.672(e))~~
- ~~b. Transfer into initial feed hopper – twenty percent (Rule 401)~~
- ~~c. All other transfer points and fugitive emission points – ten percent (40 CFR 60.672(b)).~~
[40 CFR 60.672]
5. ~~This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO – Standard of Performance for Nonmetallic Mineral Processing Plants. This subpart does not apply to wet material processing operations:~~

21. **MDAQMD PERMIT # B003672; DRYER SYSTEM, NO. 1 MONOHYDRATE FLUIDIZED BED, MDAQMD PERMIT # B003672; CONSISTING OF THE FOLLOWING EQUIPMENT:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

Capacity	Equipment Name
	Dryer, Monohydrate Fluidized Bed - steam heated
	Dehydrator, Monohydrate Fluidized Bed - steam
300.00	Fan, Dryer Fluidizing
700.00	Fan, Dehydrator Fluidizing
60.00	Screw, Dryer Mixing
15.00	Screw, Dryer Feed
25.00	Dryer Feed Screw
3.00	Valve, Dryer Recycle Rotary
1.50	Valve, Dryer Crusher Rotary

Capacity	Equipment Name
5.00	Valve, Cooler Rotary
5.00	Cooler, Rotary Dump Valve
10.00	Crusher, Dryer Lump
15.00	Elevator, Dryer Recycle
375.00	Centrifuges (3 @ 125 hp ea)
25.00	Conveyor, Dryer Collecting
50.00	Conveyor, Transfer
20.00	Conveyor, Surge Bin Feeder
	Filter, DSM Screen (3)
250.00	Pump, DSM Screen Feed
10.00	Pump, Mono Dryer Condensate (1 spare)
15.00	Pump, High Pressure Condensate (2 @ 15 hp ea - 1 spare)
10.00	Pump, Mono Cooler Cooling Water

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]

2. The owner / operator shall operate and maintain this equipment in strict accord to the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

3. This fluidized bed monohydrate dryer system (No. 1) shall not be operated unless all conveyors and transfer points are completely covered.
-[District Rules 401 and 403; Rules 404 and 405]

4. This monohydrate fluidized bed dryer system (No. 1) shall not be operated unless vented to all the following functioning pollution control devices:
aA. —(a) Dryer-Dehydrator Baghouse (District permit C003673)
bB. —(b) Transfer Conveyor #1 Baghouse (District permit C003675)
cC. —(c) Transfer Conveyor #2 Baghouse (District permit C003676)
dD. —(d) Transfer Conveyor #3 Baghouse (District permit C003677)
[District Rule 204]

5. All three of the monohydrate dryers (listed on B000537, B000538 and B000547) and their associated conveyor systems may be operated concurrently with this equipment.
[District Rule 204][NSR]

6. This equipment (uncontrolled emission points) shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:

- (a) Crusher - fifteen (15) percent (40 CFR 60.672(b) – Table 3)
- (b) Transfer into initial feed hopper - twenty (20) percent (Rule 401)
- (c) All other transfer points and fugitive emission points - ten (10) percent (40 CFR 60.672(b) – Table 3).

[District Rule 401; 40 CFR 60.672(b)]

7. If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the opacity limit in condition 4(c) above, or the building enclosing the affected facility or facilities must comply with the following emission limits:

- (a) Fugitive emissions from the building openings (except for vents as defined in subsection 60.671) must not exceed seven (7) percent opacity; and
- (b) Vents (as defined in subsection 60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of 40 CFR 60 Subpart OOO.

[40 CFR 60.672(e)]

8. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO - Standard of Performance for Nonmetallic Mineral Processing Plants.

[40 CFR 60, Subparts A and OOO]

~~6. This equipment (uncontrolled emission points) shall not discharge into the atmosphere an exhaust stream that exhibits greater than the following opacity:~~

- ~~a. Crusher – fifteen percent (40 CFR 60.672(e))~~
- ~~b. Transfer into initial feed hopper – twenty percent (Rule 401)~~
- ~~c. All other transfer points and fugitive emission points – ten percent (40 CFR 60.672(b)).~~

~~[40 CFR 60.672]~~

~~7. This equipment shall be operated in compliance with 40 CFR 60 Subpart OOO – Standard of Performance for Nonmetallic Mineral Processing Plants. This subpart does not apply to wet material processing operations:~~

~~21- A (the below listed baghouses same as baghouses listed in Item #s 23, 24, 25, 26, 27, 28, 29 and # 31, 32, 33)~~

~~note: only the below listed Transfer Conveyor Baghouses required to meet Subpart OOO~~

~~BICARBONATE FLUIDIZED BED DRYER SYSTEM NO. 1 (# B003665) TRANSFER POINT BAGHOUSES – MDAQMD PERMIT #s C003667, C003668, C003669, C003670; SHALL MEET THE FOLLOWING NSPS SUBPART OOO REQUIREMENTS:~~

~~BICARBONATE FLUIDIZED BED DRYER SYSTEM NO. 2 (#B004540) TRANSFER POINT BAGHOUSES – MDAQMD PERMIT #s C004542, C004543, C004544; SHALL MEET THE FOLLOWING NSPS SUBPART OOO REQUIREMENTS:~~

~~MONOHYDRATE FLUIDIZED BED DRYER SYSTEM NO. 1 (# B003672) TRANSFER POINT BAGHOUSES – MDAQMD PERMIT #s C003675, C003676, C003677; SHALL~~

MEET THE FOLLOWING NSPS SUBPART 000 REQUIREMENTS:

**Subpart 000—Standards of Performance for Nonmetallic Mineral Processing Plants:
40 CFR 60.672 Standard For Particulate Matter:**

(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any stack emissions which:

(a)(1) Contain particulate matter in excess of 0.05 g/dscm (0.022 gr/dscf); and

(a)(2) Exhibit greater than 7 percent opacity, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device.

Facilities using a wet scrubber must comply with the reporting provisions of §60.676(c), (d), and (e).

(b) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of this section.

(c) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity.

(d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section.

(e) If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs (a), (b) and (c) of this section, or the building enclosing the affected facility or facilities must comply with the following emission limits:

(e)(1) No owner or operator shall cause to be discharged into the atmosphere from any building enclosing any transfer point on a conveyor belt or any other affected facility any visible fugitive emissions except emissions from a vent as defined in §60.671.

(e)(2) No owner or operator shall cause to be discharged into the atmosphere from any vent of any building enclosing any transfer point on a conveyor belt or any other affected facility emissions which exceed the stack emissions limits in paragraph (a) of this section.

(f) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any baghouse that controls

~~emissions from only an individual, enclosed storage bin, stack emissions which exhibit greater than 7 percent opacity.~~

~~(g) Owners or operators of multiple storage bins with combined stack emissions shall comply with the emission limits in paragraph (a)(1) and (a)(2) of this section.~~

~~(h) On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup, no owner or operator shall cause to be discharged into the atmosphere any visible emissions from:~~

~~(h)(1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin.~~

~~(h)(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.~~

~~[62 FR 31351, June 9, 1997; 65 FR 61744, Oct. 17, 2000]~~

40 CFR 60.674 Monitoring of operations:

~~The owner or operator of any affected facility subject to the provisions of this subpart which uses a wet scrubber to control emissions shall install, calibrate, maintain and operate the following monitoring devices:~~

~~(a) A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 250 pascals ± 1 inch water gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.~~

~~(b) A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ± 5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.~~

40 CFR 60.675 Test methods and procedures:

~~(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this section.~~

~~(b) The owner or operator shall determine compliance with the particulate matter standards in §60.672(a) as follows:~~

~~(b)(1) Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at~~

a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.

~~(b)(2) Method 9 and the procedures in §60.11 shall be used to determine opacity.~~

~~(c) In determining compliance with the particulate matter standards in §60.672(b) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:~~

~~(c)(1) In determining compliance with the particulate matter standards in §60.672(b) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:~~

~~(c)(1)(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).~~

~~(c)(1)(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.~~

~~(c)(1)(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.~~

~~(c)(2) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under §60.672(f) of this subpart, using Method 9, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).~~

~~(c)(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:~~

~~(c)(3)(i) There are no individual readings greater than 10 percent opacity; and~~

~~(c)(3)(ii) There are no more than 3 readings of 10 percent for the 1-hour period.~~

~~(c)(4) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under §60.672(e) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:~~

~~(c)(4)(i) There are no individual readings greater than 15 percent opacity; and~~

~~(c)(4)(ii) There are no more than 3 readings of 15 percent for the 1-hour period.~~

~~(d) In determining compliance with §60.672(e), the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with~~

~~each side of the building and the roof being observed for at least 15 minutes.~~

~~(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:~~

~~(e)(1) For the method and procedure of paragraph (e) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:~~

~~(e)(1)(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.~~

~~(e)(1)(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.~~

~~(f) To comply with §60.676(d), the owner or operator shall record the measurements as required §60.676(c) using the monitoring devices in §60.674(a) and (b) during each particulate matter run and shall determine the averages.~~

~~(g) If, after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.~~

~~(h) Initial Method 9 performance tests under §60.11 of this part and §60.675 of this subpart are not required for:~~

~~(h)(1) wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.~~

~~(h)(2) screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.~~

~~[54 FR 6680, Feb. 14, 1989; 62 FR 31351, June 9, 1997]~~

40 CFR 60.676 Reporting And Recordkeeping:

~~(a) Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.~~

~~(a)(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:~~

~~(a)(1)(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and~~

~~(a)(1)(ii) The rated capacity in tons per hour of the replacement equipment.~~

~~(a)(2) For a screening operation:~~

~~(a)(2)(i) The total surface area of the top screen of the existing screening operation being replaced and~~

~~(a)(2)(ii) The total surface area of the top screen of the replacement screening operation.~~

~~(a)(3) For a conveyor belt:~~

~~(a)(3)(i) The width of the existing belt being replaced and~~

~~(a)(3)(ii) The width of the replacement conveyor belt.~~

~~(a)(4) For a storage bin:~~

~~(a)(4)(i) The rated capacity in megagrams or tons of the existing storage bin being replaced and~~

~~(a)(4)(ii) The rated capacity in megagrams or tons of replacement storage bins.~~

~~(b) [Removed and reserved.]~~

~~(b)(1) The information described in §60.676(a).~~

~~(b)(2) A description of the control device used to reduce particulate matter emissions from the existing facility and a list of all other pieces of equipment controlled by the same control device; and~~

~~(b)(3) The estimated age of the existing facility.~~

~~(c) During the initial performance test of a wet scrubber, and daily thereafter, the owner or operator shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate.~~

~~(d) After the initial performance test of a wet scrubber, the owner or operator shall submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss (or gain) and liquid flow rate differ by more than ± 30 percent from the averaged determined during the most recent performance test.~~

~~(e) The reports required under paragraph (d) shall be postmarked within 30 days following end of the second and fourth calendar quarters.~~

~~(f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 to demonstrate compliance with §60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with §60.672(e).~~

~~(g) The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to §60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in §60.672(b) and the emission test requirements of §60.11 and this subpart. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in §60.672(h).~~

~~(h) The subpart A requirement under §60.7(a)(2) for notification of the anticipated date of initial startup of an affected facility shall be waived for owners or operators of affected facilities regulated under this subpart.~~

~~(i) A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.~~

~~(i)(1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.~~

~~(i)(2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.~~

~~(j) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(e) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.~~

~~(Approved by the Office of Management and Budget under control number 2060-0050)~~

~~{51 FR 31337, Aug. 1, 1985, as amended at 54 FR 6680, Feb. 14, 1989; 62 FR 31351, June 9, 1997; 65 FR 61744, Oct. 17, 2000}~~

22. MONOETHANOLAMINE (MEA) AND/OR DIGLYCOLAMINE (DGA) SYSTEM; MDAQMD PERMIT # B000551: ~~A Carbon Dioxide Absorption system:~~
DESCRIPTION/CAPACITY:

A Carbon Dioxide Absorption system:

Capacity	Equipment Name
	Absorption Towers, 2, each 14.5' dia x 133'
1250.00	Exhaust Fans, 2 @ 1,250 hp ea (1 spare)
500.00	Lean Amine Pumps, 3 (include. 1 spare) @ 250 hp ea
400.00	Rich Amine Pumps, 3 (include. 1 spare) @ 200 hp ea
30.00	Reflux Water Sump Pumps, 2 (include. 1 spare) @ 30 hp ea
15.00	Tray Water Pumps, 2 @ 7.5 hp ea
3.00	Demister Return Pump, 1 @ 3 hp
25.00	Reflux Water Booster

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

[District Rule 204]

2. This equipment shall be operated/maintained in strict accord with manufacturer's recommendations and/or sound engineering principles.

[District Rule 204]

3. MEA/DGA exhaust stack emission shall not violate District Rule 401.
[\[District Rule 401\]](#)
4. The owner-/operator shall activate the demisters, which are not normally used, when internally determined opacities exceed those allowed by District Rule 401.
[\[District Rule 204\]](#)
5. At least bi-annually, during Boiler Nos. 25 and 26 scheduled outages, the owner-/operator shall conduct maintenance inspections and effect repairs discovered there from.
[\[District Rule 204\]](#)

23. BAGHOUSE ~~(, BICARB FB DRYER NO. 1 TRANS CONV NO. 1)~~; MDAQMD PERMIT # C003668:

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

- Bicarb No. 1 Transfer Conveyor No. 1 - part of No. 1 Bicarbonate Fluidized Bed Dryer
- System (B003665) with the following specifications:
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 20' high and 138 degrees F at 1500 acfm & 1500 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emissions of particulates (PM) shall not exceed 0.20 pounds per hour.
[\[40 CFR 60.672\(a\)\]](#)[\[40 CFR 60.672\(a\) – Table 2\]](#)
2. [This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven \(7\) percent opacity.](#)
[\[40 CFR 60.672\(a\) – Table 2\]](#)
23. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[\[District Rule 204\]](#)
34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[\[District Rule 204\]](#)
45. This equipment shall be operated concurrently with the Bicarbonate Fluidized Bed Dryer System No. 1 covered in District permit B003665.
[\[District Rule 204\]](#)

56. The owner/-operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures _____compliance with District Rules.
[District Rule 204]
67. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be required with the log _____kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.
[District Rule 204]
78. The owner/-operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). —Testing shall be conducted at least once every sixty (60) months~~five years~~ starting in 2001.

—The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable. [40 CFR 60.8 and 60.675]
89. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
24. **BAGHOUSE (-, BICARB FB DRYER NO. 1 TRANS CONV NO. 2);, MDAQMD PERMIT # C003669:**
DESCRIPTION/CAPACITY:
NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.
_____Bicarb No. 1 Transfer Conveyor No. 2 - part of No. 1 Bicarbonate Fluidized Bed Dryer

- System (B003665) with the following specifications:
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 20' high and 138 degrees F at 1500 acfm & 1500 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emissions of particulates (PM) shall not exceed 0.20 pounds per hour
[40 CFR 60.672(a) – Table 2]
~~– [Rule 404, 40 CFR 60.672 NSPS-000]~~
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
[40 CFR 60.672(a) – Table 2]
[40 CFR 60.672(a)]
23. The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
43. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
45. This equipment shall be operated concurrently with the Bicarbonate Fluidized Bed Dryer System No. 1 covered in District permit B003665.
[District Rule 204]
56. The owner / operator shall have a continuing program of maintenance/inspections in accord — with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel on request.
[District Rule 204]
67. The owner / operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 PM10 fraction (lb/ton of throughput). Testing shall be conducted at least once every sixty (five-(5)60) months-years starting in 2001.
-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final

compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in the applicable years. [40 CFR 60.8 and 60.675]~~

78. This equipment, and the equipment covered by the following valid permits, shall not emit to —the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

**25. BAGHOUSE, ~~(BICARB FB DRYER NO. 1 TRANSFER CONVEYOR NO. 33),~~
MDAQMD PERMIT # C003670:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

——A Gas flow of 1500 ACFM @ 138 degrees F:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emissions of particulates (PM) shall not exceed 0.20 pounds per hour.

[40 CFR 60.672(a) – Table 2]

~~[Rule 404; NSPS OOO]~~[40 CFR 60.672]

2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.

[40 CFR 60.672(a) – Table 2]

[40 CFR 60.672(a)]

23. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

[District Rule 204]

34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.

[District Rule 204]

45. This equipment shall be operated concurrently with the Bicarbonate Fluidized Bed Dryer System No. 1 covered in District permit B003665.

[District Rule 204]

56. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures _____ compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as the monthly throughput of the system of process controlled, shall be required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
[District Rule 204]

6. The owner / operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). —Testing shall be conducted at least once every (60) sixty months~~five years~~ starting in 2001.

—The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

~~—and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in the applicable years. [40 CFR 60.8 and 60.675]~~

7. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

26. **BAGHOUSE ~~4~~, BICARB NO. 1 TRUCK FEED SCREW CONVEYOR ~~5~~;**
MDAQMD PERMIT # C003667:

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an “affected facility” under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

A Wheelabrator, model 32WCC MOA, 36 pulse, serial number 20-3356. It has a Chicago fan, serial number 93-7693-5, which pulls about 1500 acfm with a 5 hp motor at 200 F:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emissions of particulates (PM) shall not exceed 0.20 pounds per hour. ~~[40 CFR 60.672(a) – Table 2][Rule 404; 40 CFR 60.672 NSPS 000]~~
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
~~[[40 CFR 60.672(a) – Table 2]
40-CFR-60.672(a)]~~
- ~~23.~~ 23. The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~[District Rule 204]~~
- ~~34.~~ 34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
~~[District Rule 204]~~
- ~~45.~~ 45. This equipment shall be operated concurrently with the Bicarbonate Fluidized Bed Dryer –System No. 1 covered in District permit B003665.
~~[District Rule 204]~~
- ~~56.~~ 56. The owner-/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures _____compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data shall be required, as well as monthly throughput of the system or process controlled, with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
~~[District Rule 204]~~
- ~~67.~~ 67. The owner-/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every sixty (60) months~~five years~~ starting in 2001, ~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit starting in 2001 and subsequent five year intervals.~~—This unit need not be tested if it is not operating. If this non-operation testing waiver is employed by the owner-/operator, the unit shall be tested within 60 days of commencement of re-operation.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

~~_____ [District Rules 404, 405, and 1303(B)] [40 CFR 60.8 and 60.675]~~

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]

27. **BAGHOUSE ~~(, BICARB FB DRYER NO. 2 TRANS CONV NO. 1)~~, MDAQMD PERMIT # C004542:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

~~_____~~ Bicarb No. 2 Transfer Conveyor No. 1 - North Collecting Belt, part of No. 2 Bicarbonate Fluidized Bed Dryer System (B004540) with the following specifications:

- ~~_____~~ Mfg: Wheelabrator
- ~~_____~~ Model No.: 32WCC MOD36 Pulse
- ~~_____~~ Exhaust Fan: 3 hp
- ~~_____~~ Stack: 0.92' diameter & 20' high and 138 degrees F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour.
~~[40 CFR 60.672(a) – Table 2] [Rule 404; 40 CFR 60.672 NSPS OOO]~~
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
~~[40 CFR 60.672(a) – Table 2]~~
~~[40 CFR 60.672(a)]~~
32. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
45. This baghouse shall operate concurrently with the Bicarbonate Fluidized Bed Dryer System No. 2 under valid District permit B004540.
[District Rule 204]

56. The owner/-operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
[District Rule 204] ~~[40 CFR 60.8 and 60.675]~~

67. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every sixty (60) months~~five (5) years~~ starting in 2001.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

[District Rules 404, 405, and 1303(B)]

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

28. **BAGHOUSE ~~(, BICARB FB DRYER NO.2 TRANS CONV NO. 2);~~, MDAQMD PERMIT # C004543:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

———Bicarb No. 2 Transfer Conveyor No. 2 - No. 1 Bleacher Conveyor Tail End Baghouse, part of No. 2 Bicarbonate Fluidized Bed Dryer System (B004540) with the following specifications:

———Mfg: Wheelabrator

- Model No.: 32WCC MOD36 Pulse
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 20' high and 138 degrees F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour.
~~[40 CFR 60.672(a) – Table 2][Rule 404; 40 CFR 60.672 NSPS 000]~~
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
~~[40 CFR 60.672(a) – Table 2][40 CFR 60.672(a)]~~
23. The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
~~[District Rule 204]~~
34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
~~[District Rule 204]~~
45. This baghouse shall operate concurrently with the Bicarbonate Fluidized Bed Dryer System No. 2 under valid District permit B004540.
~~[District Rule 204]~~
56. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
~~[District Rule 204; 40 CFR 60.8 and 60.675]~~
67. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be ~~every~~ conducted at least once every sixty (60) months ~~five (5) years~~ starting in 2001.

-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45)

days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.

[District Rules 404, 405, and 1303(B)]

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

29. **BAGHOUSE (, BICARB FB DRYER NO. 2 TRANS CONV NO. 3);, MDAQMD PERMIT # C004544:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

- Bicarb No. 2 Transfer Conveyor No. 3 - No. 1 Bleacher Bin Feed Conveyor, part of No. 2 Bicarbonate Fluidized Bed Dryer System (B004540) with the following specifications:
- Mfg: Wheelabrator
- Model No.: 32WCC MOD36 Pulse
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 20' high and 138 degrees F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour. [40 CFR 60.672(a) – Table 2][Rule 404; 40 CFR 60.672 NSPS OOO]

2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
[40 CFR 60.672(a) – Table 2]
[40 CFR 60.672(a)]

23. The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]

34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]

45. This baghouse shall operate concurrently with the Bicarbonate Fluidized Bed Dryer System No. 2 under valid District permit B004540.
[District Rule 204]
56. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.
-[District Rule 204: 40 CFR 60.8 and 60.675]
67. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be every ~~sixty months~~ five (5) years starting in 2002. The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.
[District Rules 404, 405, and 1303(B)]
78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
30. **~~BAGHOUSE-(, MONO FB NO. 1 DRYER-DEHYDRATOR);-, MDAQMD PERMIT # -C003673:~~**
DESCRIPTION/CAPACITY:
NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.
—— Mono No. 1 Dryer-Dehydrator - part of No. 1 Monohydrate Fluidized Bed Dryer System
—— (B003672) with the following specifications:
—— Exhaust Fan: 250 hp

Stack: 8.0' diameter & 77' high and 211 degrees F at 92,930 acfm & 1850 ft/min:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]

2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
[40 CFR 60.672(a) – Table 2]
~~[40 CFR 60.672(a)]~~

- ~~23.~~ The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 13.71 pounds per hour.
[40 CFR 60.672(a) – Table 2]
~~[Rule 404; 40 CFR 60.672 NSPS 000]~~

- ~~34.~~ The owner / operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]

- ~~45.~~ The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
~~_____~~[District Rule 204]

- ~~56.~~ This equipment shall be operated concurrently with the Monohydrate Fluidized Bed Dryer System No. 1 covered in District permit B003672.
[District Rule 204]

- ~~67.~~ _____The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) ~~Daily~~Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request. [40 CFR 60.8 and 60.675]~~

78. The owner-/operator shall conduct ~~annual~~ compliance tests, at least once every twelve months, relative to District Rules 404 ~~and~~ and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput).

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

~~The test results shall be submitted to the District not later than six weeks prior to the expiration date of this permit each year.~~

9. ~~The pollutant-specific emissions unit (B003672), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 2 to 686 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:~~
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 7.
- [40 CFR 64.7(d)]

10. ~~The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 7.~~
- [40 CFR 64.7(a)]

31. **BAGHOUSE-BAGHOUSE, (MONO FB DRYER NO.1 TRANSFER CONVEYOR NO. 1); MDAQMD PERMIT # C003675:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

- Mono No. 1 Transfer Conveyor No. 1 - part of No. 1 Monohydrate Fluidized Bed Dryer
- System (B003672) with the following specifications:
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 18' high and 138 degrees F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour.
[40 CFR 60.672(a) – Table 2]~~[Rule 404; 40 CFR 60.672 NSPS OOO]~~
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
[40 CFR 60.672(a) – Table 2]
[40 CFR 60.672(a)]
23. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
45. This baghouse shall operate concurrently with the Monohydrate Fluidized Bed Dryer System No.1 under valid District permit B003672.
[District Rule 204]
56. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) MonthlyDaily baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.[District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accord~~

~~with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request. [40 CFR 60.8 and 60.675]~~

67. The owner/-operator shall conduct compliance tests relative to District Rules 404 and 405 to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every sixty (60) months~~five (5) years~~ starting in 2002.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]~~

~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544. [District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions unit (B003672), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~21~~ to 6 inches of column; and/or the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 6. [40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA

Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.

[40 CFR 64.7(a)]

32. BAGHOUSE ~~4~~, MONO FB DRYER NO. 1 TRANSFER CONVEYOR NO. 2~~5~~; MDAQMD PERMIT # C003676:

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

- Mono No. 1 Transfer Conveyor No. 2 -- part of No. 1 Monohydrate Fluidized Bed Dryer
- System (B003672) with the following specifications:
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 12' high and 138 degrees F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour.

[40 CFR 60.672(a) – Table 2]

~~[Rule 404; 40 CFR 60.672 NSPS OOO]~~

2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.

[40 CFR 60.672(a) – Table 2]

~~[40 CFR 60.672(a)]~~

- ~~23.~~ The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.

~~[District Rule 204]~~

- ~~34.~~ The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.

~~[District Rule 204]~~

- ~~45.~~ This baghouse shall operate concurrently with the Monohydrate Fluidized Bed Dryer System No.1 under valid District permit B003672.

~~[District Rule 204]~~

- ~~56.~~ The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

- (b) Daily Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.
- [District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request. [40 CFR 60.8 and 60.675]~~

67. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every sixty (60) months~~five (5) years~~ starting in 2002.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov~~

[District Rules 404, 405, and 1303(B)]

~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
- [District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions unit (B003672), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 242

to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 6.
- [40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.
- [40 CFR 64.7(a)]

**33. BAGHOUSE ~~4~~, MONO FB DRYER NO. 1 TRANSFER CONVEYOR NO. 3 ~~5~~;
MDAQMD PERMIT # C003677:**

DESCRIPTION/CAPACITY:

NOTE: This process and control(s) are an "affected facility" under 40 CFR 60, Subpart OOO and commenced construction, modification, or reconstruction after August 31, 1983, but before April 22, 2008.

- Mono No. 1 Transfer Conveyor No. 3 - part of No. 1 Monohydrate Fluidized Bed Dryer
- System (B003672) with the following specifications:
- Exhaust Fan: 3 hp
- Stack: 0.92' diameter & 65' high and 138 degree F at 1500 acfm & 2300 ft/min:

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.022 grains per dscf and the emission of particulates (PM) shall not exceed 0.26 pounds per hour.
[40 CFR 60.672(a) – Table 2][Rule 404; 40 CFR 60.672 NSPS OOO]
2. This baghouse shall not discharge into the atmosphere an exhaust stream that exhibits greater than seven (7) percent opacity.
[40 CFR 60.672(a) – Table 2]
[40 CFR 60.672(a)]
23. The owner-/operator shall operate/maintain this equipment in strict accord with recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
34. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]

45. This baghouse shall operate concurrently with the Monohydrate Fluidized Bed Dryer System No.1 under valid District permit B003672.

[District Rule 204]

56. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of baghouse pressure drop (date and value);

(b) DailyMonthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 10;

(c) Annual bag and bag suspension system inspection (date and results);

(d) Date of bag replacements, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 9.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specification which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of this data, as well as monthly throughput of the system or process controlled, shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request. [40 CFR 60.8 and 60.675]~~

67. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be every sixty months~~five (5) years~~ starting in 2002.

~~-The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov~~

[District Rules 404, 405, and 1303(B)]

~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

78. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669,

C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]

9. The pollutant-specific emissions unit (B003672), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 2+2 to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 10. Any excursion of the CAM Plan requires the owner operator to do the following:
(a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 6.
[40 CFR 64.7(d)]

10. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 6.
[40 CFR 64.7(a)]

34. STORAGE; A FRAME SODA ASH, MDAQMD PERMIT # T000528:
DESCRIPTION/CAPACITY:

- "A" Frame Soda Ash Storage Structure, 10,000 ton capacity, vents to an Air Pollution
- Control Baghouse (District permit C000529). Total volume: 2,493,333 gallons:

PERMIT CONDITIONS:

1. This equipment shall not be operated unless it is vented to the permitted baghouse (District permit C000529).
[District Rule 204]
2. All openings to the atmosphere shall be closed during soda ash receiving.
[District Rule 204]

35. SODA ASH TRUCK LOADOUT SYSTEM; MDAQMD PERMIT # B000530:
DESCRIPTION/CAPACITY:

Capacity	Equipment Name
9.00	Vibrating Feeders, 6 @ 1.5 hp ea
200.00	Belt Conveyor
	Surge Bin, 125 ton
0.33	Loading Spout (vents to baghouse, District permit C000543)

PERMIT CONDITIONS:

1. This equipment shall not be operated unless it is vented to functioning air pollution control equipment, District permit C000543.
[District Rule 204]
2. All equipment shall be maintained/operated in strict accord with recommendations of the — manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

36. SODA ASH RAILROAD LOADOUT FACILITY; MDAQMD PERMIT # B000128:

DESCRIPTION/CAPACITY:

— Soda Ash Railroad Loadout System:

PERMIT CONDITIONS:

1. This equipment shall not be operated unless it is vented to permitted, functioning air pollution control equipment (District permits C000126, C000127, C002354, and C0002355).
[District Rule 204]
2. This equipment shall be kept in good operating condition at all times and shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]

37. BAGHOUSE (SODA ASH A-FRAME); MDAQMD PERMIT # C000529:

DESCRIPTION/CAPACITY:

— A Standard Havens unit to control emissions with this Argus A-Frame baghouse. This unit is also ducted to pickup those fugitive emissions generated during the unloading of the baghouse bin to a truck trailer. This unit has 252 bags, each 6 in diameter and 10 ft long. The A:C ratio is 5.5 to 1 and is exhausted by a 100 hp fan. Additionally Additionally, there are a screw conveyor from the baghouse, 3 hp and a screw conveyor to the truck, 1 hp:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

3. This equipment shall be operated concurrently with Soda Ash "A" Frame Storage ~~Structure~~ (District permit T000528) and whenever the baghouse is being unloaded to the truck trailer for removal off site.

[District Rule 204]

4. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.

[District Rule 204]

5. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

- (a) Daily reading of baghouse pressure drop (date and value);
- (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
- (c) Annual bag and bag suspension system inspection (date and results);
- (d) Date of bag replacements, and
- (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment, as well as monthly throughput of the system or process controlled, on site and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.~~

6. The owner-/operator shall conduct periodic compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every five years~~sixty (60) months~~ starting in 2002 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in the applicable years.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov

[District Rules 404, 405, and 1303(B)]

7. The pollutant-specific emissions unit (T000528), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64.

As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 242 to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 5.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 5.
- [40 CFR 64.7(a)]

38. BAGHOUSE ~~(, SODA ASH TRUCK LOADOUT)~~, MDAQMD PERMIT # C000543:

DESCRIPTION/CAPACITY:

— A Standard Havens, model K210-4757, whose ID number is N210-4784, serial number 10113 and controls emissions from Soda Ash Truck Loadout System (District permit — B000530). This unit has 168 bags, each 6" in diameter and 108" long. The total flow rate through the unit is 205025,000 ACFM and an A:C ratio of 3.5:1. Ancillary equipment includes a 3 compartment settling chamber with a 0.5 hp screw and fan exhaust motor of 75 hp. This unit is modified to collect fugitive emissions, which may develop from the unloading of the collection bin of the baghouse to trucks for off site removal:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[District Rule 204]

3. This equipment shall be operated concurrently with Soda Ash Loadout System (District permit B000530) and while the baghouse collection bin is being unloaded to trucks for off site removal.

[District Rule 204]

4. The owner-/operator shall maintain a log of all inspections, repairs, and maintenance on _____this equipment, as well as monthly throughput of the system or process controlled, on-site _____and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.

[District Rule 204]

5. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every five years~~sixty (60) months~~ starting in 2002~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

39. BAGHOUSE (BLUE) EAST; MDAQMD PERMIT # C000126:

DESCRIPTION/CAPACITY:

_____Fabric filters, model 36-8 TR "B", Pulse-Jet cleaning which serves the East End Soda Ash Railroad Loadout and has the following specifications:

- _____Exhaust Fan - 5 hp
- _____36 bags - 470 ft²
- _____Exhaust rate: 2,500 ACFM, ambient conditions
- _____A/C ratio: 3.2:1
- _____Each bag is 6 1/4" dia x 8'L:

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.

[District Rule 1303(B) - Offsets]

2. The owner-/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures _____ compliance with District Rules.
[District Rule 204]
3. This program shall include, but is not limited to, regular opacity reading, pressure _____ differential measurements, and maintenance inspections. Logging of this data shall be required with the log kept on-site for a minimum of ~~two~~ five (5) years. This log shall be made available to District, state or federal personnel upon request.
[District Rule 204]
4. This equipment shall be operated concurrently with the soda ash railroad loadout system _____ (District permit B000128).
[District Rule 204]
5. The owner-/operator shall maintain a log of all inspections, repairs, and maintenance on _____ this equipment, as well as monthly throughput of the system or process controlled, on-site _____ and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.
[District Rule 204]
6. The owner /operator shall conduct compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be every five years starting in 2002 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[District Rules 404, 405, and 1303(B)]

40. BAGHOUSE (GREY) EAST; MDAQMD PERMIT # C002355:

DESCRIPTION/CAPACITY:

- _____ DCL Dust Collector, model 6-648-54-1005, which serves the Argus East Railcar Loadout _____ facility and has the following:
- _____ ID Fan: 15 hp
- _____ Bags: 54, each 103"L x 5.8" dia for a total filter area of 702 ft² and A/C ratio of 5.7:1,

- ambient conditions
- Loading spouts: 1

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. The owner-/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures
— compliance with District Rules.
[District Rule 204]
3. This program shall include, but is not limited to, regular opacity reading, pressure
— differential measurements, and maintenance inspections. Logging of this data shall be — required with the log kept on-site for a minimum of ~~two~~ five (5) years. This log shall be made available to District, state or federal personnel upon request.
[District Rule 204]
4. This equipment shall be operated concurrently with the soda ash railroad loadout system
— (District permit B000128).
[District Rule 204]
5. The owner-/operator shall maintain a log of all inspections, repairs, and maintenance on
— this equipment, as well as monthly throughput of the system or process controlled, on-site — and submit it to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.
[District Rule 204]
6. The owner-/operator shall conduct compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every ~~five years~~ sixty (60) months starting in 2002 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~
The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final

compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]

41. BAGHOUSE (BLUE) WEST, MDAQMD PERMIT # C000127:

DESCRIPTION/CAPACITY:

- Fabric filters, model 36-8 TR "B", Pulse-Jet cleaning which serves the Westend Soda Ash Railroad Loadout and has the following specifications:
- Exhaust Fan - 5 hp
- 36 bags - 470 ft²
- Exhaust rate: 2,500 ACFM, ambient conditions
- A/C ratio: 3.2:1
- Each bag is 6 1/4" dia x 8'L

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM10 (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. The owner-/operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures
— compliance with District Rules. This program shall include, but is not limited to, regular opacity reading, pressure differential measurements, and maintenance inspections. Logging of this data shall be required with the log kept on-site for a minimum of five (5) years. This log shall be made available to District, state or federal personnel upon request.
[District Rule 204]
3. This equipment shall be operated concurrently with the soda ash railroad loadout system
— (District permit B000128).
[District Rule 204]
4. The owner-/operator shall maintain a log of all inspections, repairs, and maintenance on
— this equipment, as well as monthly throughput of the system or process controlled, on-site — and be available to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.
[District Rule 204]
5. The owner-/operator shall conduct compliance tests relative to District Rules 404 and 405, and to establish PM10 at a 0.85 fraction of TSP (lb/ton of throughput). Testing

shall be conducted at least once every five-yearssixty (60) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]

42. BAGHOUSE (GREY) WEST, MDAQMD PERMIT # C002354:

DESCRIPTION/CAPACITY:

- DCL Dust Collector, model 6-648-54-1005, which serves the Argus West Railcar Loadout facility and has the following:
- ID Fan: 15 hp
- Bags: 54, each 103"L x 5.8" dia for a total filter area of 702 ft² and A/C ratio of 5.7:1, ambient conditions
- Loading spouts: 1

PERMIT CONDITIONS:

1. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 115 tons per year combined (verified through source tests and production records on a rolling twelve month summary basis): C000126, C000127, C000527, C000529, C000532, C000533, C000539, C000543, C000544, C000545, C000548, C000549, C000552, C000553, C000556, C002354, C002355, C003533, C003534, C003667, C003668, C003669, C003670, C003673, C003675, C003676, C003677, C004542, C004543, C004544.
[District Rule 1303(B) - Offsets]
2. The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures
— compliance with District Rules. This program shall include, but is not limited to, regular opacity reading, pressure differential measurements, and maintenance inspections. Logging of this data shall be required with the log kept on-site for a minimum of five (5) years. This log shall be made available to District, state or federal personnel upon request.
[District Rule 204]
3. This equipment shall be operated concurrently with the soda ash railroad loadout system
— (District permit B000128).
[District Rule 204]

4. The owner / operator shall maintain a log of all inspections, repairs, and maintenance on ~~_____~~this equipment, as well as monthly throughput of the system or process controlled, on-site ~~_____~~ and be available to the District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.

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5. The owner / operator shall conduct compliance tests relative to District Rules 404 and 405 and to establish PM10 emissions at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be conducted at least once every ~~five years~~sixty (60) months starting in 2001 ~~and the test results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

The owner/operator must submit a compliance/source test protocol at least thirty (30) days prior to the compliance/source test date. The owner/operator must conduct all required compliance/source tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/source test date so that an observer may be present. The final compliance/source test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/source test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov [District Rules 404, 405, and 1303(B)]

43. ARGUS BOILER, FOSSIL FUEL FIRED (NO. 25); MDAQMD PERMIT # B000555:

DESCRIPTION/CAPACITY:

Manufactured by Combustion Engineering, Model VU-40. A tangentially fired unit burning pulverized coal with low NOx burners, separated overfire air, flue gas reheater and a maximum firing rate of 1025 MMBtu/hr and a steam output of 750,000 lb/hr at 1,500 psig/950 degrees F. This boiler is equipped with main combustion zone urea injection and exhaust treatment equipment as follows: sulfur trioxide injection, an electrostatic precipitator, and a wet sulfur dioxide scrubber. Fee ratings are calculated assuming 2550 Btu per horsepower. Boiler modification to achieve low-NOx performance under Rule 1157.1, per due date of December 31, 2023.

<u>Capacity</u>	<u>Description</u>
_____ 2.6	Fan, Forced Draft (1002 hp)
_____ 6.1	Fan, Induced Draft (2389 hp)
_____ 1,025.0	Burners, Low NOx - Combustion Engineering (1025 MMBtu/hr)
_____	Dampers, Separated Overfire Air - Combustion Engineering
_____	Urea Injection NOx Out Metering/Mixing Module, includes the following:
_____ 0.001	Tanks, Urea storage - 2 @ 6,500 gal ea and common w/boiler 26
_____ 0.001	Pumps, transfer - 2 @ 1/2 hp ea, 1 a spare and common w/boiler 26
_____ 0.003	Pumps, NOx Out Additive - 2 @ 1 hp ea, 1 a spare

- 0.01 Pumps, Dilution Water - 2 @ 5 hp ea, 1 a spare
 - Sulfur Trioxide Flue Gas Conditioning System, includes the following:
 - Tank, Molten Sulfur - one @ 5,500 gal (40 tons) common w/boiler 26
 - 0.002 Pumps, Sulfur Metering - 2 @ .75 hp ea, 1 a spare
 - 6.1 Pumps, Boiler Feed - 1 steam driven @ 2,389 hp
 - One electric 2,500 hp as backup for boilers 25 and 26
 - Coal Feed System, includes the following:
 - 0.008 Feeders, Volumetric 3 @ 1 hp ea
 - 3.1 Mills, Bowl Feed - 3 @ 400 hp ea
- [Steam Turbine](#)

PERMIT CONDITIONS:

1. The following emission limits are for the combined totals of this boiler (No. 25) and Boiler No. 26 (B000554) and shall not be exceeded at any firing rate:
CO / 54.4 lb/hr* / NMHC / 12.0 lb/hr**
NOx (as NO2) / 442 lb/hr* / PM / 111.0 lb/hr**
SOx (as SO2) / 89.4 lb/hr* / PM10 / 90.0 lb/hr**
Opacity / 20% / Sulfates / 46.5 lb/hr**
***Mercury / 2.2 E-05 lb per MMBtu of heat input, each boiler. Limit does not apply during startup and shutdown (as defined in 40 CFR Part 63 Subpart 63.11237).
* These hourly rates, while monitored on CEMS, shall be based on a three-hour rolling average, computed every 15 minutes.
** These hourly rates shall be verified by the annual compliance tests which are required in Condition No. 2.
***Mercury emission standards may be demonstrated through fuel analysis as specified in 63.11211(c).
[NSR; District Rule 204; 40 CFR Part 63 Subpart JJJJJ for CO and Mercury; 40 CFR Part 64- CAM (for PM10)]
2. ~~Annual~~**e**Compliance tests ~~must be conducted (at least once every twelve (12) months)~~ **and** must be performed on this boiler and its pollution control equipment consisting of electrostatic precipitator C000557 and scrubber C000558. Annual tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. These tests must be performed in accordance with the District Compliance Test Procedural Manual.

~~The test report shall be submitted to the District within 45 days following completion of testing but not later than six weeks prior to the expiration date of this permit.~~ The following compliance tests are required:

- ~~A.(a)~~ Oxides of nitrogen (NO_x as NO₂ in ppmv at 3% O₂, dry basis and lb/hr).
- ~~B.(b)~~ NMHC (in ppmv at 3% O₂, dry basis and lb/hr).
- ~~C.(c)~~ Oxides of sulfur (SO_x as SO₂ in ppmv at 3% O₂, dry basis and lb/hr).
- ~~D.(d)~~ Carbon monoxide (in ppmv at 3% O₂, dry basis and lb/hr).
- ~~E.(e)~~ PM, PM₁₀ and sulfates (as milligram/cubic meter, at 3% O₂, dry basis and lb/hr).
- ~~F.(f)~~ Flue gas flow rate (SCFM, dry basis).

[NSR]

3. The daily emission of the following pollutants CO, CO₂, NO_x (as NO₂) and SO_x (as SO₂) as well as O₂ (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas opacity shall be monitored using a Continuous Opacity Monitoring System (COMS). CO₂ mass emissions shall be calculated using CO₂ CEMS and Continuous Emission Rate Monitoring System (CERMS). These systems shall be operating at all times in accordance with the District approved monitoring plan.

[NSR; 40 CFR Part 63 Subpart JJJJJ; 40 CFR Part 64]

4. The following are the acceptability testing requirements for the CEMS, CERMS, and COMS:

~~A.(a)~~ For COMS (Opacity) - Performance Specification 1 of 40 CFR 60 Appendix B.

~~B.(b)~~ For SO₂ and NO_x CEMS - Performance Specification 2 of 40 CFR 60 Appendix B.

~~C.(c)~~ For O₂ and CO₂ CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.

~~D.(d)~~ For CO CEMS - Performance Specification 4 of 40 CFR 60 Appendix B.

~~E.(e)~~ For CERMS - Performance Specification 6 of 40 CFR 60 Appendix B.

~~Note~~; CO₂ emissions, CO₂ CEMS and CERMS were installed per requirements of 40 CFR Part 98.

[CO CEMS per 40 CFR 63.11224; 40 CFR Part 64]

5. Electrostatic precipitator C000557 and scrubber C000558 shall be functional and operating under all conditions.
6. Until a digital acquisition system that is telemetrically compatible with District software is installed, quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan and shall present, but not be

limited to, the following data on a daily basis:

~~A.(a)~~— CEMS data.

~~B.(b)~~— COMS data.

All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

[NSR; 40 CFR Part 64]

7. During periods of startup and shutdown the concentration of oxides of nitrogen shall not exceed 300 ppm when calculated per District Rule 4765:

~~A.(a)~~— Startup is defined as when steam output is increasing but has not reached an output of 400,000 lb/hr.

~~B.(b)~~— Shutdown is defined as when steam output is decreasing and the output is less than 400,000 lb/hr.

[District Rule 4756]

8. The NMHC emission rate given in Condition 1 above may be exceeded when the boilers are accepting vapor from the LLX basin, as long as the total NMHC emitted to the atmosphere from Boilers No. 25 & 26 and the LLX Basin (B000555, B000554 and B001916) does not exceed 773.6 pounds per day. Compliance with this condition shall be determined using records required by B001916, hours of operation and annual source testing for the boilers.

9. Particulate matter grain loading requirement of 0.01 gr/dscf and the NOx limit of 225 ppm shall be complied with except during periods of startup and shutdown as defined in Condition 6.

[District Rule 476, BACT]

10. This equipment shall comply with District Rule 1157.1 – BARCT Requirements for Boilers and Process Heaters Outside the FONAs (going into effect December 31, 2023) and the Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971 (40 CFR 60 Subpart D) as applicable.

11. Pursuant to District Rule 1157.1 (going into effect December 31, 2023), this equipment shall not emit the following while burning solid fuel.

~~A.(a)~~— Carbon monoxide in excess of 0.027 lb/MMBTU of heat input; and

~~B.(b)~~— NOx in excess of 0.20 lbs/MMBTU of heat input for all operating conditions other than low carbon fuel conditions; and

~~C.(c)~~— NOx in excess of 0.24 lbs/MMBTU of heat input under low carbon fuel conditions.

~~D.(d)~~— These limits shall be averaged over any 30 consecutive operating day period under all operating conditions other than startup and shutdown periods as defined in condition 7 above.

~~(e)~~ ~~E.~~— Permit units B000554 and B000555 may demonstrate compliance through averaging across both permit units.

Compliance for NO_x emissions shall be demonstrated by NO_x CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1.

Compliance shall be determined separately for periods with low carbon fuels and for periods without low carbon fuels, as defined in Rule 1157.1. For each operating condition (with and without low carbon fuels), compliance shall be demonstrated continuously by averaging hourly NO_x data (hourly data will be calculated from 15-minute averages) over a 30 consecutive operating day period at that operating condition, calculating the lbs NO_x and dividing by the total MMBTU during the same period.

In the absence of low carbon fuel use, the 30 consecutive day limit defaults to 0.20 lb/MMBtu per Item 11b above (other than startup and shutdown periods as defined in the facility permit) and the recordkeeping is simplified (only one operating condition).

Data shall be collected separately for each unit during each 30 consecutive operating day period and then averaged across the two permit units before comparison to the limit. Invalid data shall be substituted using most recent test data, or using an appropriate substitute data value.

Compliance for CO emissions shall be demonstrated by CO CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1.

Compliance for CO emissions shall be demonstrated by CO CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1.

Compliance shall be demonstrated continuously by averaging all valid hourly CO data (hourly data will be calculated from 15-minute averages) CO data over a 30 consecutive operating day period at that operating condition, calculating the average lbs CO and dividing by the total MMBTU during the same period.

Data shall be collected separately for each unit during each 30 consecutive operating day period and then averaged across the two permit units before comparison to the limit. Invalid data shall be substituted using most recent test data, or using an appropriate substitute data value.

12. Boiler 25 (B000555) and Boiler 26 (B000554) are subject to and must comply with all applicable requirements of New Source Performance Standard 40 CFR Part 60 Subpart D and National Emission Standards for Hazardous Air Pollutants 40 CFR 63 Subpart JJJJJ.

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. For compliance with Rule 1157.1, this unit, for which the primary fuel is solid fuel, will comply with the “Solid fueled, high annual heat input permit unit” provisions as shown in District Rule 1157.1 (C)(4)(a), and is subject to NOx and CO compliance testing not less than once every 12 months, per District Rule 1157.1 (E)(1)(a). [District Rule 1157.1]

44. ESP; MDAQMD PERMIT # C000557:

DESCRIPTION/CAPACITY:

—Argus Boiler No. 25 (District permit B000555) which is described as follows: Walther 704KVA electrostatic precipitator downstream from Boiler No. 25 and upstream from the sulfur dioxide scrubber. Exhaust gas from the boiler is moved through this ESP and the scrubber at the rate of 310,910 ACFM by a fan driven by a 2,389 hp steam turbine. Note: A portion of the scrubbed gas, i.e., downstream from the scrubber, is diverted to the MEA towers:

PERMIT CONDITIONS:

1. This equipment shall be operated concurrently with Boiler No. 25 (District permit —B000555).
[District Rule 204]
2. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[District Rule 204]
4. The owner / operator shall maintain a log of all inspections, repairs, and maintenance on this equipment and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.
[District Rule 204]
5. The District, CARB, and USEPA are considering or have adopted Toxics and/or Hazardous emission standards for specific chemical materials. Any new regulations adopted or enforceable by the District, CARB, or USEPA, shall be incorporated as conditions to all affected permits henceforth issued by the District. Compliance tests shall be required as they become part of the permit and the owner/operator shall submit test plans which follow those described in the District's Compliance Test Procedural Manual.
[District Rule 204]

6.

The pollutant-specific emissions unit (B000555), for which this ESP controls is subject to the

requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a 1-hour block average of opacity is greater than 10% measured by COMS and recorded by the continuous emission monitoring data acquisition system. Any excursion of the CAM Plan requires the owner operator to do the following:
(a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 4.
[40 CFR 64.7(d)]

45. SCRUBBER - WET, NO. 25; MDAQMD PERMIT # C000558:

DESCRIPTION/CAPACITY:

Serves Argus Boiler No. 25 (District permit B000555) and includes the following, which are common to both this scrubber and scrubber covered by C000561:

————Scrubber Recycle Pumps, 2 @ 100 hp ea (one is spare)

————Scrubber Make-up Pumps, 2 @ 40 hp ea (one is spare)

PERMIT CONDITIONS:

1. All scrubber equipment shall be maintained/operated in strict accord to recommendations —of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
2. The maintenance/inspection program shall be in accordance with the manufacturer's —recommendations and/or sound engineering principles.
[District Rule 204]
3. The owner-/operator shall maintain a log of all inspections, repairs, and maintenance on —this equipment and submit it to District, state or federal personnel upon request. The log —shall be kept for a minimum period of five (5) years.
[District Rule 204]
4. This equipment shall be operated concurrently with Boiler No. 25 (B000555) and its ESP —(C000557).
[District Rule 204]

46. ARGUS BOILER, FOSSIL FUEL FIRED (NO. 26) - B000554:

DESCRIPTION/CAPACITY:

Mfg. by Combustion Engineering, Model VU-040. A tangentially fired unit burning pulverized coal with low NOx burners, separated overfire air, with flue gas reheater and a maximum firing rate of 1025 MMBtu/hr and a steam output of 750,000 lb/hr at 1,500 psig/950 degrees F. This boiler is equipped with main combustion zone urea injection, and exhaust treatment equipment as follows: sulfur trioxide injection, an electrostatic precipitator, and a wet sulfur dioxide scrubber. Fee ratings are calculated assuming 2550 Btu per horsepower. Boiler modification to achieve low-NOx performance under Rule 1157.1, per due date of December 31, 2023.

Capacity Description

- 2.56 Fan, Forced Draft (1002 hp)
- 6.06 Fan, Induced Draft (2389 hp)
- 1,025 Burners, Low NOx - Combustion Engineering (1025 MMBtu/hr)
- Dampers, Separated Overfire Air - Combustion Engineering
- Urea Injection NOx Out Metering/Mixing Module, includes the following:
 - Tanks, Urea storage - 2 @ 6,500 gal ea and common w/boiler 26
- 0.001 Pumps, transfer - 2 @ 1/2 hp ea, 1 a spare and common w/boiler 26
- 0.003 Pumps, NOx Out Additive - 2 @ 1 hp ea, 1 a spare
- 0.01 Pumps, Dilution Water - 2 @ 5 hp ea, 1 a spare
- Sulfur Trioxide Flue Gas Conditioning System, includes the following:
 - Tank, Molten Sulfur - one @ 5,500 gal (40 tons) common w/boiler 26
- 0.002 Pumps, Sulfur Metering - 2 @ .75 hp ea, 1 a spare
- 6.09 Pumps, Boiler Feed - 1 steam driven @ 2,389 hp
- One electric 2,500 hp as backup for boilers 25 and 26
- Coal Feed System, includes the following:
 - 0.008 Feeders, Volumetric 3 @ 1 hp ea
 - 3.05 Mills, Bowl Feed - 3 @ 400 hp ea
 - Steam turbine

PERMIT CONDITIONS:

1. The following emission limits are for the combined totals of this boiler (No. 26) and boiler No. 25 (B000555) and shall not be exceeded at any firing rate:
CO / 54.4 lb/hr* / NMHC / 12.0 lb/hr**
NOx (as NO2) / 442 lb/hr* / PM / 111.0 lb/hr**
SOx (as SO2) / 89.4 lb/hr* / PM10 / 90.0 lb/hr**
Opacity / 20% / Sulfates / 46.5 lb/hr**
Mercury/ 2.2 E-05 lb per MMBtu of heat input, each boiler. Limit does not apply during startup and shutdown (as defined in 40 CFR Part 63 Subpart 63.11237).
*These hourly rates, while monitored on CEMS, shall be based on a 3-hour rolling average, computed every 15 minutes.
**These hourly rates shall be verified by the annual compliance tests which are required in Condition No. 2.
***Mercury emission standards may be demonstrated through fuel analysis as specified in 63.11211(c).
[NSR; District Rule 204; 40 CFR Part 63 Subpart JJJJJ for CO and Mercury; 40 CFR Part 64- CAM (for PM10)]
2. ~~C~~ Annual compliance tests must be conducted (at least once every twelve (12) months and) must be performed on this boiler and its pollution control equipment consisting of electrostatic precipitator C000559 and scrubber C000561.

-Annual tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance

~~with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. These tests must be performed in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District within 45 days following completion of testing but not later than six weeks prior to the expiration date of this permit.~~

The following compliance tests are required:

- ~~A.(a)~~ Oxides of nitrogen (NOx as NO2 in ppmv at 3% O2, dry basis and lb/hr)
 - ~~B.(b)~~ NMHC (in ppmv at 3% O2, dry basis and lb/hr)
 - ~~C.(c)~~ Oxides of sulfur (SOx as SO2 in ppmv at 3% O2, dry basis and lb/hr)
 - ~~D.(d)~~ Carbon monoxide (in ppmv at 3% O2, dry basis and lb/hr)
 - ~~E.(e)~~ PM, PM10 and sulfates (as milligram/cubic meter, at 3% O2, dry basis and lb/hr)
 - ~~(f)~~ ~~F.~~ Flue gas flow rate (SCFM, dry basis)
- [NSR]

3. The daily emission of the following pollutants CO, CO2, NOx (as NO2) and SOx (as SO2) as well as O2 (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS). The stack gas opacity shall be monitored using a Continuous Opacity Monitoring System (COMS). CO2 mass emissions shall be calculated using CO2 CEMS and Continuous Emission Rate Monitoring System (CERMS). These systems shall be operating at all times in accordance with the District approved monitoring plan.

[NSR; 40 CFR Part 63 Subpart JJJJJ; 40 CFR Part 64]

4. The following are the acceptability testing requirements for the CEMS, CERMS, and COMS:

- ~~(a)~~ ~~A.~~ For COMS (Opacity) - Performance Specification 1 of 40 CFR 60 Appendix B.
- ~~(b)~~ ~~B.~~ For SO2 and NOx CEMS - Performance Specification 2 of 40 CFR 60 Appendix B.
- ~~(c)~~ ~~C.~~ For O2 and CO2 CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
- ~~(d)~~ ~~D.~~ For CO CEMS - Performance Specification 4 of 40 CFR 60 Appendix B.
- ~~(e)~~ ~~E.~~ For CERMS – Performance Specification 6 of 40 CFR 60 Appendix B.

Note: CO2 emissions, CO2 CEMS and CERMS were installed per requirements of 40 CFR Part 98.

[CO CEMS per 40 CFR 63.11224; 40 CFR Part 64]

5. Electrostatic precipitator C000559 and scrubber C000561 shall be functional and operating under all conditions.
6. Until a digital acquisition system that is telemetrically compatible with District software ~~_____~~ is installed, quarterly reports shall be provided to the District Compliance Supervisor in ~~accordance with the District approved monitoring plan and shall be present, but not be _____~~ limited to, the following data on a daily basis:
 - ~~_____~~ ~~A.(a)~~ CEMS data
 - ~~_____~~ ~~B.(b)~~ COMS data
 - ~~_____~~ All quarterly reports shall be postmarked by the 30th day following the end of each ~~calendar~~ quarter.
[NSR; 40 CFR Part 64]
7. During periods of startup and shutdown the concentration of oxides of nitrogen shall not ~~_____~~ exceed 300 ppm when calculated per District Rule 475.
 - ~~_____~~ ~~A.(a)~~ Startup is defined as when steam output is increasing but has not reached an output ~~_____~~ of 400,000lb/hr.
 - ~~_____~~ ~~B.(b)~~ Shutdown is defined as when steam output is decreasing and the output is less than ~~_____~~ 400,000 lb/hr.
[District ~~RR~~ Rule 475]
8. The NMHC emission rate given in Condition 1 above may be exceeded when the boilers ~~_____~~ are accepting vapor from the LLX basin, as long as the total NMHC emitted to the ~~_____~~ atmosphere from Boilers No. 25 & 26 and the LLX Basin (B000555, B000554 and ~~_____~~ B001916) does not exceed 773.6 pounds per day. Compliance with this condition shall be ~~_____~~ determined using records required by B001916, hours of operation and annual source ~~testing~~ for the boilers.
9. Particulate matter grain loading requirement of 0.01 gr/dscf and the NOx limit of 225 ~~_____~~ ppm shall be complied with [except during periods of startup and shutdown as defined in Condition 7:](#)
[District Rule 476]
[District Rule 1303-BACT](#)]
10. This equipment shall comply with District Rule 1157.1 – BARCT Requirements for Boilers and Process Heaters Outside the FONAs (going into effect December 31, 2023) and the Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After August 17, 1971 (40 CFR 60 Subpart D) as applicable.
11. Pursuant to District Rule 1157.1 (going into effect December 31, 2023), this equipment shall not emit the following while burning solid fuel.
 - ~~_____~~ ~~A.(a)~~ Carbon monoxide in excess of 0.027 lb/MMBTU of heat input; and
 - ~~_____~~ ~~B.(b)~~ NOx in excess of 0.20 lbs/MMBTU of heat input for all operating conditions other than low carbon fuel conditions; and

- ~~C.(c)~~ NO_x in excess of 0.24 lbs/MMBTU of heat input under low carbon fuel conditions.
- ~~D.(d)~~ These limits shall be averaged over any 30 consecutive operating day period under all operating conditions other than startup and shutdown periods as defined in condition 7 above.
- ~~E.(e)~~ Permit units B000554 and B000555 may demonstrate compliance through averaging across both permit units.

Compliance for NO_x emissions shall be demonstrated by NO_x CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1.

Compliance shall be determined separately for periods with low carbon fuels and for periods without low carbon fuels, as defined in Rule 1157.1. For each operating condition (with and without low carbon fuels), compliance shall be demonstrated continuously by averaging hourly NO_x data (hourly data will be calculated from 15-minute averages) over a 30 consecutive operating day period at that operating condition, calculating the lbs NO_x and dividing by the total MMBTU during the same period.

In the absence of low carbon fuel use, the 30 consecutive day limit defaults to 0.20 lb/MMBtu per Item 11b above (other than startup and shutdown periods as defined in the facility permit) and the recordkeeping is simplified (only one operating condition).

Data shall be collected separately for each unit during each 30 consecutive operating day period and then averaged across the two permit units before comparison to the limit. Invalid data shall be substituted using most recent test data, or using an appropriate substitute data value.

Compliance for CO emissions shall be demonstrated by CO CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1. Compliance for CO emissions shall be demonstrated by CO CEMS over 30 consecutive operating day periods (for all periods other than startup and shutdown periods as defined in the facility permit), using methods and procedures specified in Rule 1157.1.

Compliance shall be demonstrated continuously by averaging all valid hourly CO data (hourly data will be calculated from 15-minute averages) CO data over a 30 consecutive operating day period at that operating condition, calculating the average lbs CO and dividing by the total MMBTU during the same period.

Data shall be collected separately for each unit during each 30 consecutive operating day period and then averaged across the two permit units before comparison to the limit. Invalid data shall be substituted using most recent test data, or using an appropriate substitute data value.

12. Boiler 25 (B000555) and Boiler 26 (B000554) are subject to and must comply with all applicable requirements of New Source Performance Standard 40 CFR Part 60 Subpart D and National Emission Standards for Hazardous Air Pollutants 40 CFR 63 Subpart JJJJJ.

13. For compliance with District Rule 1157.1, this unit, for which the primary fuel is solid fuel, will comply with the "Solid fueled, high annual heat input permit unit" provisions as shown in District Rule 1157.1 (C)(4)(a), and is subject to NOx and CO compliance testing not less than once every 12 months, per District Rule 1157.1 (E)(1)(a). [District Rule 1157.1]

47. ESP; MDAQMD PERMIT # C000559:

DESCRIPTION/CAPACITY:

Argus Boiler No. 26 (District permit B000554) which is described as follows:
Walther 704KVA electrostatic precipitator downstream from Boiler No. 26 and upstream from the sulfur dioxide scrubber. Exhaust gas from the boiler is moved through this ESP and the scrubber at the rate of 310,910 ACFM by a fan driven by a 2,389 hp steam turbine. Note: A portion of the scrubbed gas, i.e., downstream from the scrubber, is diverted to the MEA towers:

PERMIT CONDITIONS:

1. This equipment shall be operated concurrently with Boiler No. 26 (District permit B000554).
[District Rule 204]
2. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
4. The owner/-operator shall maintain a log of all inspections, repairs, and maintenance on this equipment and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.
[District Rule 204]
5. The District, CARB, and USEPA are considering or have adopted Toxics and/or Hazardous emission standards for specific chemical materials. Any new regulations adopted or enforceable by the District, CARB, or USEPA, shall be incorporated as conditions to all affected permits henceforth issued by the District. Compliance tests shall be required as they become part of the permit and the owner / operator shall submit test plans which follow those described in the District's Compliance Test Procedural Manual.
[District Rule 204]

6. The pollutant-specific emissions unit (B000554), for which this ESP controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a 1-hour block average of opacity is greater than 10% measured by COMS and recorded by the continuous emission monitoring data acquisition system. Any excursion of the CAM Plan requires the owner operator to do the following:
- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4. [40 CFR 64.7(d)]

48. SCRUBBER - WET NO. 26; MDAQMD PERMIT # C000561:

DESCRIPTION/CAPACITY:

Serves Argus Boiler No. 26 (District permit B000554) and includes the following, which are common to both this scrubber and scrubber covered by C000558:

- Scrubber Recycle Pumps, 2 @ 100 hp ea (one is spare)
- Scrubber Make-up Pumps, 2 @ 40 hp ea (one is spare)

PERMIT CONDITIONS:

1. This equipment shall be operated concurrently with Boiler No. 26 (B000554) and its ESP (C000559).
[District Rule 204]
2. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The maintenance/inspection program shall be in accordance with the manufacturer's recommendations and/or sound engineering principles.
[District Rule 204]
4. The owner/-operator shall maintain a log of all inspections, repairs, and maintenance on this equipment and submit it to District, state or federal personnel upon request. The log shall be kept for a minimum period of five (5) years.

~~48-A:~~

~~THE FOLLOWING NSPS REQUIREMENTS APPLY TO ARGUS BOILER'S, MDAQMD PERMIT'S B000555 AND B000554 (BOILER #s 25 & #26, Item # 43 to 48, above);~~

~~Subpart D—Standards Of Performance For Fossil-Fuel Fired Steam Generators For Which Construction Is Commenced After August 17, 1971 60.40~~

~~40 CFR §60.41 Definitions (applicable part):~~

~~As used in this subpart, all terms not defined herein shall have the meaning given them in the Act, and in Subpart A of this part.~~

~~(a) Fossil fuel fired steam generating unit means a furnace or boiler used in the process of burning fossil fuel for the purpose of producing steam by heat transfer.~~

~~(b) Fossil fuel means natural gas, petroleum, coal, and any form of solid, liquid, or gaseous fuel derived from such materials for the purpose of creating useful heat.~~

~~[39 FR 20791, June 14, 1974, as amended at 40 FR 2803, Jan. 16, 1975; 41 FR 51398, Nov. 22, 1976; 43 FR 9278, Mar. 7, 1978; 48 FR 3736, Jan. 27, 1983; 65 FR 61744, Oct. 17, 2000]~~

~~**40 CFR §60.42 Standard For Particulate Matter (applicable part):**~~

~~(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases which:~~

~~(a)(1) Contain particulate matter in excess of 43 nanograms per joule heat input (0.10 lb per million Btu) derived from fossil fuel or fossil fuel and wood residue.~~

~~(a)(2) Exhibit greater than 20 percent opacity except for one six minute period per hour of not more than 27 percent opacity.~~

~~[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976; 42 FR 61537, Dec. 5, 1977; 44 FR 76787, Dec. 28, 1979; 45 FR 36077, May 29, 1980; 45 FR 47146, July 14, 1980; 46 FR 57498, Nov. 24, 1981; 61 FR 49974, Sept. 24, 1996; 65 FR 61744, Oct. 17, 2000]~~

~~**40 CFR §60.43 Standard For Sulfur Dioxide (applicable part):**~~

~~(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases which contain sulfur dioxide in excess of:~~

~~(a)(1) 340 nanograms per joule heat input (0.80 lb per million Btu) derived from liquid fossil fuel or liquid fossil fuel and wood residue.~~

~~(a)(2) 520 nanograms per joule heat input (1.2 lb per million Btu) derived from solid fossil fuel or solid fossil fuel and wood residue, except as provided in paragraph (c) of this section.~~

~~(b) When different fossil fuels are burned simultaneously in any combination, the applicable standard (in ng/J) shall be determined by proration using the following formula:~~

$$\text{PSSO}_2 = [y(340) + z(520)] / (y + z)$$

~~where:~~

~~PSSO₂ is the prorated standard for sulfur dioxide when burning different fuels simultaneously, in nanograms per joule heat input derived from all fossil fuels fired or from all fossil fuels and wood residue fired,~~

~~y is the percentage of total heat input derived from liquid fossil fuel,~~

and

~~z is the percentage of total heat input derived from solid fossil fuel.~~

~~(c) Compliance shall be based on the total heat input from all fossil fuels burned, including gaseous fuels.~~

~~(d) [Reserved]~~

~~[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976; 52 FR 28954, Aug. 4, 1987]~~

40 CFR §60.44 Standard For Nitrogen Oxides (applicable part):

~~(a) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility any gases which contain nitrogen oxides, expressed as NO₂ in excess of:~~

~~(a)(1) 86 nanograms per joule heat input (0.20 lb per million Btu) derived from gaseous fossil fuel.~~

~~[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976; 43 FR 9278, Mar. 7, 1978; 51 FR 42797, Nov. 25, 1986]~~

40 CFR §60.45 Emission And Fuel Monitoring (applicable part):

~~(a) Each owner or operator shall install, calibrate, maintain, and operate continuous monitoring systems for measuring the opacity of emissions, sulfur dioxide emissions, nitrogen oxides emissions, and either oxygen or carbon dioxide except as provided in paragraph (b) of this section.~~

~~(b) Certain of the continuous monitoring system requirements under paragraph (a) of this section do not apply to owners or operators under the following conditions:~~

~~(b)(1) For a fossil fuel fired steam generator that burns only gaseous fossil fuel, continuous monitoring systems for measuring the opacity of emissions and sulfur dioxide emissions are not required (**Applies to SVWM boilers**).~~

~~(b)(2) For a fossil fuel fired steam generator that does not use a flue gas desulfurization device, a continuous monitoring system for measuring sulfur dioxide emissions is not required if the owner or operator monitors sulfur dioxide emissions by fuel sampling and analysis.~~

~~(b)(3) Notwithstanding §60.13(b), installation of a continuous monitoring system for nitrogen oxides may be delayed until after the initial performance tests under §60.8 have been conducted. If the owner or operator demonstrates during the performance test that emissions of nitrogen oxides are less than 70 percent of the applicable standards in §60.44, a continuous monitoring system for measuring nitrogen oxides emissions is not required. If the initial performance test results show that nitrogen oxide emissions are greater than 70 percent of the applicable standard, the owner or operator shall install a continuous monitoring system for nitrogen oxides within one year after the date of the initial performance tests under §60.8 and comply with all other applicable monitoring requirements under this part.~~

~~(b)(4) If an owner or operator does not install any continuous monitoring~~

systems for sulfur oxides and nitrogen oxides, as provided under paragraphs (b)(1) and (b)(3) or paragraphs (b)(2) and (b)(3) of this section a continuous monitoring system for measuring either oxygen or carbon dioxide is not required.

(c) For performance evaluations under §60.13(c) and calibration checks under §60.13(d) the following procedures shall be used:

(c)(1) Methods 6, 7, and 3B, as applicable, shall be used for the performance evaluations of sulfur dioxide and nitrogen oxides continuous monitoring systems. Acceptable alternative methods for Methods 6, 7, and 3B are given in §60.46(d).

(c)(2) Sulfur dioxide or nitric oxide, as applicable, shall be used for preparing calibration gas mixtures under Performance Specification 2 of Appendix B to this part.

(c)(3) For affected facilities burning fossil fuel(s), the span value for a continuous monitoring system measuring the opacity of emissions shall be 80, 90, or 100 percent and for a continuous monitoring system measuring sulfur oxides or nitrogen span value shall be determined as follows:

[In parts per million]		
Fossil fuel	Span value for	Span value for
	sulfur dioxide	nitrogen oxides
Gas	(1)	500
Liquid	1,000	500
Solid	1,500	1000
Combinations	$1,000y + 1,500z$	$500(x + y) + 1,000z$

† Not applicable.

where:

x = the fraction of total heat input derived from gaseous fossil fuel, and

y = the fraction of total heat input derived from liquid fossil fuel, and

z = the fraction of total heat input derived from solid fossil fuel.

(c)(4) All span values computed under paragraph (c)(3) of this section for burning combinations of fossil fuels shall be rounded to the nearest 500 ppm.

(c)(5) For a fossil fuel fired steam generator that simultaneously burns fossil fuel and nonfossil fuel, the span value of all continuous monitoring systems shall be subject to the Administrator's approval.

(d) [Reserved]

(e) For any continuous monitoring system installed under paragraph (a) of this section, the following conversion procedures shall be used to convert the continuous monitoring data into units of the applicable standards (ng/J, lb/million Btu):

(e)(1) When a continuous monitoring system for measuring oxygen is selected, the measurement of the pollutant concentration and oxygen concentration shall each be on a consistent basis (wet or dry). Alternative procedures approved by the Administrator shall be used when measurements are on a wet basis.

~~When measurements are on a dry basis, the following conversion procedure shall be used:~~

~~$$E = CF[20.9/(20.9 - \text{percent O}_2)]$$~~

~~where:~~

~~E, C, F, and % O₂ are determined under paragraph (f) of this section.~~

~~(e)(2) When a continuous monitoring system for measuring carbon dioxide is selected, the measurement of the pollutant concentration and carbon dioxide concentration shall each be on a consistent basis (wet or dry) and the following conversion procedure shall be used:~~

~~$$E = CFc[100/\text{percent CO}_2]$$~~

~~where:~~

~~E, C, Fc and % CO₂ are determined under paragraph (f) of this section.~~

~~(f) The values used in the equations under paragraphs (e)(1) and (2) of this section are derived as follows:~~

~~(f)(1) E = pollutant emissions, ng/J (lb/million Btu).~~

~~(f)(2) C = pollutant concentration, ng/dscm (lb/dscf), determined by multiplying the average concentration (ppm) for each one-hour period by 4.15×10^4 M ng/dscm per ppm (2.59×10^{-9} M lb/dscf per ppm) where M = pollutant molecular weight, g/g mole (lb/lb mole). M = 64.07 for sulfur dioxide and 46.01 for nitrogen oxides.~~

~~(f)(3) % O₂, % CO₂ = oxygen or carbon dioxide volume (expressed as percent), determined with equipment specified under paragraph (a) of this section.~~

~~(f)(4) F, Fc = a factor representing a ratio of the volume of dry flue gases generated to the calorific value of the fuel combusted (F), and a factor representing a ratio of the volume of carbon dioxide generated to the calorific value of the fuel combusted (Fc), respectively. Values of F and Fc are given as follows:~~

~~(f)(4)(iv) For gaseous fossil fuels, $F = 2.347 \times 10^{-7}$ dscm/J (8,740 dscf/million Btu). For natural gas, propane, and butane fuels, $Fc = 0.279 \times 10^{-7}$ scm CO₂/J (1,040 scf CO₂/million Btu) for natural gas, 0.322×10^{-7} scm CO₂/J (1,200 scf CO₂/million Btu) for propane, and 0.338×10^{-7} scm CO₂/J (1,260 scf CO₂/million Btu) for butane.~~

~~(f)(5) The owner or operator may use the following equation to determine an F factor (dscm/J or dscf/million Btu) on a dry basis (if it is desired to calculate F on a wet basis, consult the Administrator) or Fc factor (scm CO₂/J, or scf CO₂/million Btu) on either basis in lieu of the F or Fc factors specified in paragraph (f)(4) of this section:~~

~~$$F = 10^{-6} \frac{[227.2 (\text{pct. H}) + 95.5 (\text{pct. C}) + 35.6 (\text{pct. S}) + 8.7 (\text{pct. N}) - 28.7 (\text{pct. O})]}{\text{GCV}}$$~~

~~$$\text{Fc} = \frac{2.0 \times 10^{-5} (\text{pct. C})}{\text{GCV (SI units)}}$$~~

~~$$F = \frac{106[3.64(\% \text{ H}) + 1.53(\% \text{ C}) + 0.57(\% \text{ S}) + 0.14(\% \text{ N}) - 0.46(\% \text{ O})]}{\text{GCV}}$$~~

~~$$F = \frac{106[3.64(\% \text{ H}) + 1.53(\% \text{ C}) + 0.57(\% \text{ S}) + 0.14(\% \text{ N}) - 0.46(\% \text{ O})]}{\text{GCV}}$$~~

~~$$F = \frac{106[3.64(\% \text{ H}) + 1.53(\% \text{ C}) + 0.57(\% \text{ S}) + 0.14(\% \text{ N}) - 0.46(\% \text{ O})]}{\text{GCV}}$$~~

~~$$F = \frac{106[3.64(\% \text{ H}) + 1.53(\% \text{ C}) + 0.57(\% \text{ S}) + 0.14(\% \text{ N}) - 0.46(\% \text{ O})]}{\text{GCV}}$$~~

~~_____ GCV (English units)~~

~~_____ 20.0(% C)~~

~~_____ Fe = _____~~

~~_____ GCV (SI units)~~

~~_____ 321 x 103(% C)~~

~~_____ Fe = _____~~

~~_____ GCV (English units)~~

~~(f)(5)(i) H, C, S, N, and O are content by weight of hydrogen, carbon, sulfur, nitrogen, and oxygen (expressed as percent), respectively, as determined on the same basis as GCV by ultimate analysis of the fuel fired, using ASTM D3178-73 (Reapproved 1979), 89, or D3176-74 or 89 (solid fuels) or computed from results using ASTM D1137-53 or 75, D1945-64, 76, 91, or 96 or D1946-77 or 90 (Reapproved 1994) (gaseous fuels) as applicable. (These five methods are incorporated by reference—see §60.17.)~~

~~(f)(5)(ii) GVC is the gross calorific value (kJ/kg, Btu/lb) of the fuel combusted determined by the ASTM test methods ASTM D2015-77 (Reapproved 1978), 96, or D5865-98 for solid fuels and ASTM D1826-77 or 94 for gaseous fuels as applicable. (These two methods are incorporated by reference—see 60.17.)~~

~~(f)(5)(iii) For affected facilities which fire both fossil fuels and nonfossil fuels, the F or Fe value shall be subject to the Administrator's approval.~~

~~(g) Excess emission and monitoring system performance reports shall be submitted to the Administrator semiannually for each six-month period in the calendar year. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Each excess emission and MSP report shall include the information required in §60.7(c). Periods of excess emissions and monitoring systems (MS) downtime that shall be reported are defined as follows:~~

~~(g)(1) Opacity. Excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 20 percent opacity, except that one six-minute average per hour of up to 27 percent opacity need not be reported.~~

~~(g)(1)(i) For sources subject to the opacity standard of §60.42(b)(1) excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 35 percent opacity, except that one six-minute average per hour of up to 42 percent opacity need not be reported.~~

~~(g)(1)(ii) For sources subject to the opacity standard of §60.42(b)(2) excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 32 percent opacity, except that one six-minute average per hour of up to 39 percent opacity need not be reported.~~

~~(g)(2) Sulfur dioxide. Excess emissions for affected facilities are defined as:~~

~~(g)(2)(i) Any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) of sulfur dioxide as measured by a continuous monitoring system exceed the applicable standard under §60.43.~~

~~(g)(3) Nitrogen oxides. Excess emissions for affected facilities using a continuous monitoring system for measuring nitrogen oxides are defined as~~

~~any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) exceed the applicable standards under §60.44.~~

~~[40 FR 46256, Oct. 6, 1975; 61 FR 49974, Sept. 24, 1996; 64 FR 7458, Feb. 12, 1999; 65 FR 61744, Oct. 17, 2000]~~

~~**40 CFR §60.46 Test Methods And Procedures (applicable part):**~~

~~(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (d) of this section.~~

~~(b) The owner or operator shall determine compliance with the particulate matter, SO₂, and NO_x standards in §§60.42, 60.43, and 60.44 as follows:~~

~~(b)(1) The emission rate (E) of particulate matter, SO₂, or NO_x shall be computed for each run using the following equation:~~

$$\text{---} E = C F d (20.9) / (20.9 - \% O_2)$$

~~E = emission rate of pollutant, ng/J (1b/million Btu).~~

~~C = concentration of pollutant, ng/dsem (1b/dsef).~~

~~% O₂ = oxygen concentration, percent dry basis.~~

~~Fd = factor as determined from Method 19.~~

~~(b)(2) Method 5 shall be used to determine the particular matter concentration (C) at affected facilities without wet flue gas desulfurization (FGD) systems and Method 5B shall be used to determine the particulate matter concentration (C) after FGD systems.~~

~~(b)(2)(i) The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dsem (30 dsef). The probe and filter holder heating systems in the sampling train shall be set to provide an average gas temperature of 160 ± 14 °C (320 ± 25 °F).~~

~~(b)(2)(ii) The emission rate correction factor, integrated or grab sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The O₂ sample shall be obtained simultaneously with, and at the same traverse points as, the particulate sample. If the grab sampling procedure is used, the O₂ concentration for the run shall be the arithmetic mean of the sample O₂ concentrations at all traverse points.~~

~~(b)(2)(iii) If the particulate run has more than 12 traverse points, the O₂ traverse points may be reduced to 12 provided that Method 1 is used to locate the 12 O₂ traverse points.~~

~~(b)(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.~~

~~(b)(4) Method 6 shall be used to determine the SO₂ concentration.~~

~~(b)(4)(i) The sampling site shall be the same as that selected for the particulate sample. The sampling location in the duct shall be at the centroid of the cross section or at a point no closer to the walls than 1 m (3.28 ft). The sampling time and sample volume for each sample run shall be at least 20 minutes and 0.020~~

dsem (0.71 dsef). Two samples shall be taken during a 1-hour period, with each sample taken within a 30-minute interval.

(b)(4)(ii) The emission rate correction factor, integrated sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The O₂ sample shall be taken simultaneously with, and at the same point as, the SO₂ sample. The SO₂ emission rate shall be computed for each pair of SO₂ and O₂ samples. The SO₂ emission rate (E) for each run shall be the arithmetic mean of the results of the two pairs of samples.

(b)(5) Method 7 shall be used to determine the NO_x concentration.

(b)(5)(i) The sampling site and location shall be the same as for the SO₂ sample. Each run shall consist of four grab samples, with each sample taken at about 15-minute intervals.

(b)(5)(ii) For each NO_x sample, the emission rate correction factor, grab sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The sample shall be taken simultaneously with, and at the same point as, the NO_x sample.

(b)(5)(iii) The NO_x emission rate shall be computed for each pair of NO_x and O₂ samples. The NO_x emission rate (E) for each run shall be the arithmetic mean of the results of the four pairs of samples.

(c) When combinations of fossil fuels or fossil fuel and wood residue are fired, the owner or operator (in order to compute the prorated standard as shown in §§60.43(b) and 60.44(b)) shall determine the percentage (w, x, y, or z) of the total heat input derived from each type of fuel as follows:

(c)(1) The heat input rate of each fuel shall be determined by multiplying the gross calorific value of each fuel fired by the rate of each fuel burned.

(c)(2) ASTM Methods D2015-77 (Reapproved 1978), 96, or D5865-98 (solid fuels), D240-76 or 92 (liquid fuels), or D1826-77 or 94 (gaseous fuels) (incorporated by reference—see §60.17) shall be used to determine the gross calorific values of the fuels. The method used to the calorific value of wood residue must be approved by the Administrator.

(c)(3) Suitable methods shall be used to determine the rate of each fuel burned during each test period, and a material balance over the steam generating system shall be used to confirm the rate.

(d) The owner or operator may use the following as alternatives to the reference methods and procedures in this section or in other sections as specified:

(d)(1) The emission rate (E) of particulate matter, SO₂ and NO_x may be determined by using the F_c factor, provided that the following procedure is used:

(d)(1)(i) The emission rate (E) shall be computed using the following equation:

$$E = C F_c (100 / \% \text{CO}_2)$$

where:

E = emission rate of pollutant, ng/J (lb/million Btu).

C = concentration of pollutant, ng/dsem (lb/dsef).

% CO₂ = carbon dioxide concentration, percent dry basis.

F_c = factor as determined in appropriate sections of Method 19.

~~(d)(1)(ii) If and only if the average F_e factor in Method 19 is used to calculate E and either E is from 0.97 to 1.00 of the emission standard or the relative accuracy of a continuous emission monitoring system is from 17 to 20 percent, then three runs of Method 3B shall be used to determine the O_2 and CO_2 concentration according to the procedures in paragraph (b)(2)(ii), (4)(ii), or (5)(ii) of this section. Then if F_o (average of three runs), as calculated from the equation in Method 3B, is more than ± 3 percent than the average F_o value, as determined from the average values of F_d and F_e in Method 19; i.e., $F_{oa} = 0.209 (F_{da}/F_{ea})$, then the following procedure shall be followed:~~

~~(d)(1)(ii)(A) When F_o is less than 0.97 F_{oa} , then E shall be increased by that proportion under 0.97 F_{oa} , e.g., if F_o is 0.95 F_{oa} , E shall be increased by 2 percent. This recalculated value shall be used to determine compliance with the emission standard.~~

~~(d)(1)(ii)(B) When F_o is less than 0.97 F_{oa} and when the average difference (d) between the continuous monitor minus the reference methods is negative, then E shall be increased by that proportion under 0.97 F_{oa} , e.g., if F_o is 0.95 F_{oa} , E shall be increased 2 percent. This recalculated value shall be used to determine compliance with the relative accuracy specification.~~

~~(d)(1)(ii)(C) When F_o is greater than 1.03 F_{oa} and when the average difference d is positive, then E shall be decreased by that proportion over 1.03 F_{oa} , e.g., if F_o is 1.05 F_{oa} , E shall be decreased by 2 percent. This recalculated value shall be used to determine compliance with the relative accuracy specification.~~

~~(d)(2) For Method 5 or 5B, Method 17 may be used at facilities with or without wet FGD systems if the stack gas temperature at the sampling location does not exceed an average temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used with Method 17 only if it is used after wet FGD systems. Method 17 shall not be used after wet FGD systems if the effluent gas is saturated or laden with water droplets.~~

~~(d)(3) Particulate matter and SO_2 may be determined simultaneously with the Method 5 train provided that the following changes are made:~~

~~(d)(3)(i) The filter and impinger apparatus in sections 2.1.5 and 2.1.6 of Method 8 is used in place of the condenser (section 2.1.7) of Method 5.~~

~~(d)(3)(ii) All applicable procedures in Method 8 for the determination of SO_2 (including moisture) are used:~~

~~(d)(4) For Method 6, Method 6C may be used. Method 6A may also be used whenever Methods 6 and 3B data are specified to determine the SO_2 emission rate, under the conditions in paragraph (d)(1) of this section.~~

~~(d)(5) For Method 7, Method 7A, 7C, 7D, or 7E may be used. If Method 7C, 7D, or 7E is used, the sampling time for each run shall be at least 1 hour and the integrated sampling approach shall be used to determine the O_2 concentration (% O_2) for the ate correction factor.~~

~~(d)(6) For Method 3, Method 3A or 3B may be used.~~

~~(d)(7) For Method 3B, Method 3A may be used.~~

[54 FR 6662, Feb. 14, 1989; 54 FR 21344, May 17, 1989, as amended at 55 FR 5212, Feb. 14, 1990; 65 FR 61744, Oct. 17, 2000]

~~48-B National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers 40 CFR Part 63 Subpart JJJJJJ Title V Permit Conditions~~

~~AFFECTED SOURCE OF THIS SUBPART~~

~~Boiler 25 and Boiler 26 are existing coal fired boiler (industrial) and both have a design maximum heat input capacity of 1025 MMBtu/hr located at area source. [40 CFR 63.11194(a) (1), 40 CFR 63.11200(a)]~~

~~EMISSION LIMITS~~

~~Table 1 to Subpart JJJJJJ of Part 63—Emission Limits~~

~~Pursuant to §63.11201, the permittee must comply with the following applicable emission limits:~~

If your boiler is in this subcategory.	For the following pollutants.	You must achieve less than or equal to the following emission limits, except during periods of
Existing coal fired boilers with heat input capacity of 10 MMBtu/hr or greater that do not meet the definition of limited-use boiler	a. Mercury b. CO	2.2E-05 lb per MMBtu of heat input. 420 ppm by volume on a dry basis corrected to 3 percent oxygen (10 day rolling average).

~~WORK PRACTICE STANDARDS, EMISSION REDUCTION MEASURES, AND MANAGEMENT PRACTICES~~

~~Table 2 to Subpart JJJJJJ of Part 63—Work Practice Standards, Emission Reduction Measures, and Management Practices~~

~~Pursuant to §63.11201, the permittee must comply with the following applicable work practice standards, emission reduction measures, and management practices:~~

If your boiler is in this subcategory.	You must meet the following

If your boiler is in this subcategory.	You must meet the following
Existing or new coal-fired, new biomass-fired, or new oil-fired boilers (units with heat input capacity of 10 MMBtu/hr or greater)	Minimize the boiler's startup and shutdown periods and conduct startups and shutdowns according to the manufacturer's recommended procedures. If manufacturer's recommended procedures are not available, you must follow recommended procedures for a unit of similar design for which manufacturer's
Existing coal-fired, biomass-fired, or oil-fired boilers (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers	Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the
	(1) A visual inspection of the boiler system,
	(2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints.
	(3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,
	(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.
	(5) A list of major energy conservation measures that are within the facility's control,
	(6) A list of the energy savings potential of the energy conservation measures identified, and

If your boiler is in this subcategory.	You must meet the following
	(7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.

~~Table 3 to Subpart JJJJJ of Part 63—Operating Limits for Boilers With Emission Limits~~

~~Pursuant to §63.11201, the permittee must comply with the applicable operating limits:~~

If you demonstrate compliance with applicable emission limits using . . .	You must meet these operating limits except during periods of startup and shutdown. . .
Fuel analysis	Maintain the fuel type or fuel mixture (annual average) such that the mercury emission rate calculated according to §63.11211(e) are less than the applicable emission limit for mercury.

~~Pursuant to §63.11212, boilers that use a CEMS for carbon monoxide (CO) are exempt from the initial CO performance testing in Table 4 to this subpart and the oxygen concentration operating limit requirement specified in Table 3 to this subpart.~~

~~FUEL ANALYSIS REQUIREMENTS~~

~~Pursuant to §63.11211(e), §63.11213 and Table 5 to this subpart, the permittee must comply with the following fuel analysis requirements~~

~~§63.11211(e): If you elect to demonstrate compliance with an applicable mercury emission limit through fuel analysis, you must conduct fuel analyses according to §63.11213 and Table 5 to this subpart and follow the procedures in paragraphs (c)(1) through (3) of this section.~~

~~(1) If you burn more than one fuel type, you must determine the fuel type, or mixture, you could burn in your boiler that would result in the maximum emission rates of mercury.~~

~~(2) You must determine the 90th percentile confidence level fuel mercury concentration of the composite samples analyzed for each fuel type using Equation 1 of this section.~~

~~$$P_{90} = \text{mean} + (SD * t) \quad (\text{Eq. 1})$$~~

~~Where:~~

~~P_{90} = 90th percentile confidence level mercury concentration, in pounds per million Btu.~~

~~mean = Arithmetic average of the fuel mercury concentration in the fuel samples analyzed according to §63.11213, in units of pounds per million Btu.~~

~~SD = Standard deviation of the mercury concentration in the fuel samples analyzed according to §63.11213, in units of pounds per million Btu.~~

~~t = t distribution critical value for 90th percentile (0.1) probability for the appropriate degrees of~~

freedom
(number of samples minus one) as obtained from a Distribution Critical Value Table.

(3) To demonstrate compliance with the applicable mercury emission limit, the emission rate that you calculate for your boiler using Equation 1 of this section must be less than the applicable mercury emission limit.

§63.11213: (a) You must conduct fuel analyses according to the procedures in paragraphs (b) and (c) of this section and Table 5 to this subpart, as applicable. You are not required to conduct fuel analyses for fuels used for only startup, unit shut-down, and transient flame stability purposes. You are required to conduct fuel analyses only for fuels and units that are subject to emission limits for mercury in Table 1 of this subpart.

(b) At a minimum, you must obtain three composite fuel samples for each fuel type according to the procedures in Table 5 to this subpart. Each composite sample must consist of a minimum of three samples collected at approximately equal intervals during a test run period.

(c) Determine the concentration of mercury in the fuel in units of pounds per million Btu of each composite sample for each fuel type according to the procedures in Table 5 to this subpart.

Table 5 to Subpart JJJJJ of Part 63—Fuel Analysis Requirements

Pursuant to §63.11213, the permittee must comply with the following requirements for fuel analysis testing for affected sources:

To conduct a fuel analysis for the following	You must. . .	Using. . .
Mercury	a. Collect fuel samples	Procedure in §63.11213(b) or ASTM D2234/D2234M ^a (for coal) or ASTM D6323 ^a (for biomass) or
	b. Compose fuel samples	Procedure in §63.11213(b) or equivalent.
	e. Prepare composited fuel samples	EPA SW-846-3050B ^a (for solid samples) or EPA SW-846-3020A ^a (for liquid samples) or ASTM D2013/D2013M ^a (for coal) or ASTM D5198 ^a (for biomass) or equivalent.

	d. Determine heat content of the fuel type	ASTM D5865 ^{a-} (for coal) or ASTM E711 ^{a-} (for biomass) or equivalent.
	e. Determine moisture content of the fuel	ASTM D3173 ^{a-} or ASTM E871 ^{a-} or equivalent.
	f. Measure mercury concentration in fuel sample	ASTM D6722 ^{a-} (for coal) or EPA SW-846-7471B ^{a-} (for solid samples) or EPA SW-846-7470A ^{a-} (for liquid samples) or equivalent.
	g. Convert concentrations into units of lb/MMBtu of heat	

[District Rule 204]

~~Table 6 to Subpart JJJJJ of Part 63—Establishing Operating Limits~~

~~Pursuant to §63.11211, the permittee must comply with the following requirements for establishing operating limits:~~

~~For affected boilers that burn a single type of fuel, you are exempted from the compliance requirements of conducting a fuel analysis for each type of fuel burned in your boiler. For purposes of this subpart, boilers that use a supplemental fuel only for startup, unit shut down, and transient flame stability purposes still qualify as affected boilers that burn a single type of fuel, and the supplemental fuel is not subject to the fuel analysis requirements under §63.11213 and Table 5 to this subpart.~~

~~As stated in §63.11220, if you demonstrate compliance with the mercury emission limit based on fuel analysis, you must conduct a fuel analysis according to §63.11213 for each type of fuel burned as specified in paragraphs (c)(1) and (2) of this section. If you plan to burn a new type of fuel or fuel mixture, you must conduct a fuel analysis before burning the new type of fuel or mixture in your boiler. You must recalculate the mercury emission rate using Equation 1 of §63.11211. The recalculated mercury emission rate must be less than the applicable emission limit.~~

~~(1) When demonstrating initial compliance with the mercury emission limit, if the mercury constituents in the fuel or fuel mixture are measured to be equal to or less than half of the mercury emission limit, you do not need to conduct further fuel analysis sampling but must continue to comply with all applicable operating limits and monitoring requirements.~~

~~(2) When demonstrating initial compliance with the mercury emission limit, if the mercury constituents in the fuel or fuel mixture are greater than half of the mercury emission limit, you must conduct quarterly sampling.~~

~~Pursuant to §63.11224, if your boiler is subject to a CO emission limit in Table 1 to this subpart, you must install, operate, and maintain a CEMS for CO and oxygen according to the procedures in paragraphs (a)(1) through (6) of this section. Boilers that use a CO CEMS are exempt from the initial CO performance testing and oxygen concentration operating limit requirements specified in §63.11211(a) of this subpart.~~

~~(1) Each CO CEMS must be installed, operated, and maintained according to the applicable procedures under Performance Specification 4, 4A, or 4B at 40 CFR part 60, appendix B, and each oxygen CEMS must be installed, operated, and maintained according to Performance Specification 3 at 40 CFR part 60, appendix B. Both the CO and oxygen CEMS must also be installed, operated, and maintained according to the site-specific monitoring plan developed according to paragraph (c) of this section.~~

~~(2) You must conduct a performance evaluation of each CEMS according to the requirements in §63.8(e) and according to Performance Specifications 3 and 4, 4A, or 4B at 40 CFR part 60, appendix B.~~

~~(3) Each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) every 15 minutes. You must have CEMS data values from a minimum of four successive cycles of operation representing each of the four 15-minute periods in an hour, or at least two 15-minute data values during an hour when CEMS calibration, quality assurance, or maintenance activities are being performed, to have a valid hour of data.~~

~~(4) The CEMS data must be reduced as specified in §63.8(g)(2).~~

~~(5) You must calculate hourly averages, corrected to 3 percent oxygen, from each hour of CO CEMS data in parts per million CO concentrations and determine the 10-day rolling average of all recorded readings, except as provided in §63.11221(c). Calculate a 10-day rolling average from all of the hourly averages collected for the 10-day operating period using Equation 2 of this section.~~

$$\text{10-day average} = \frac{\sum_{i=1}^n Hpvi}{n} \quad (\text{Eq. 2})$$

~~Where:~~

~~Hpvi = the hourly parameter value for hour i~~

~~n = the number of valid hourly parameter values collected over 10 boiler operating days~~

~~(6) For purposes of collecting CO data, you must operate the CO CEMS as specified in §63.11221(b). For purposes of calculating data averages, you must use all the data collected during all periods in assessing compliance, except that you must exclude certain data as specified in §63.11221(c). Periods when CO data are unavailable may constitute monitoring deviations as specified in §63.11221(d).~~

~~Table 7 to Subpart JJJJJ of Part 63—Demonstrating Continuous Compliance~~

~~Pursuant to §63.11222, the permittee must show continuous compliance with the emission limitations for affected sources according to the following:~~

If you must meet the following operating limits. . . .	You must demonstrate continuous compliance by. . . .
Fuel Pollutant Content	a. Only burning the fuel types and fuel mixtures used to demonstrate compliance with the applicable emission limit according to §63.11213 as applicable; and
	b. Keeping monthly records of fuel use according to §§63.11222(a)(2) and 63.11225(b)(4).
CO emissions	a. Continuously monitoring the CO concentration in the combustion exhaust according to §§63.11224 and 63.11221; and
	b. Correcting the data to 3 percent oxygen, and reducing the data to 1-hour averages; and
	c. Reducing the data from the hourly averages to 10-day rolling averages; and
	d. Maintaining the 10-day rolling average CO concentration at or below the applicable emission limit in Table 1 to this subpart.

~~NOTIFICATION, REPORTING, AND RECORDKEEPING REQUIREMENTS~~

~~Pursuant to §63.11225, the permittee must comply with the following applicable requirements:~~

~~(a) You must submit the notifications specified in paragraphs (a)(1) through (3) of this section to the administrator.~~

~~(1) You must submit all of the notifications in §§63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to you by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of this section.~~

~~(2) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.~~

~~(3) You must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in §63.11196. You must submit the Notification of Compliance Status in accordance with paragraphs (a)(4)(i) and (vi) of this section. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (a)(4)(i) through (v) of this section, as applicable, and signed by a responsible official.~~

~~(i) You must submit the information required in §63.9(h)(2), except the information listed in §63.9(h)(2)(i)(B), (D), (E), and (F).~~

~~(ii) “This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler.”~~

~~(iii) “This facility has had an energy assessment performed according to §63.11214(c).”~~

~~(iv) For units that install bag leak detection systems: “This facility complies with the requirements in §63.11224(f).”~~

~~(v) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act:~~

~~“No secondary materials that are solid waste were combusted in any affected unit.”~~

~~(vi) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in §63.13.~~

~~(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section. For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to §63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this~~

~~permit condition. (1) Company name and address.~~

~~(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:~~

~~(i) “This facility complies with the requirements in §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler.”~~

~~(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act:~~

~~“No secondary materials that are solid waste were combusted in any affected unit.”~~

~~(iii) “This facility complies with the requirement in §§63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and~~

~~shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available."~~

~~(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.~~

~~(4) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by you or EPA through a petition process to be a non-waste under §241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of §241.3, and the total fuel usage amount with units of measure.~~

~~(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.~~

~~(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.~~

~~(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 and §63.11223 as specified in paragraphs (c)(2)(i) through (iii) of this permit condition.~~

~~(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.~~

~~(ii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.~~

~~(iii) For each boiler subject to an emission limit in Table 1 to this subpart, you must also keep records of monthly fuel use by each boiler, including the type(s) of fuel and amount(s) used.~~

~~(3) For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation that were done to demonstrate compliance with the mercury emission limits. Supporting documentation should include results of any fuel analyses. You can use the results from one fuel analysis for multiple boilers provided they are all burning the same fuel type.~~

~~(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.~~

~~(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.~~

~~(6) You must keep the records of all inspection and monitoring data required by §§63.11221 and 63.11222, and the information identified in paragraphs (c)(6)(i) through (vi) of this section for each required inspection or monitoring.~~

~~(i) The date, place, and time of the~~

~~monitoring event. (ii) Person~~

~~conducting the monitoring.~~

~~(iii) Technique or method used.~~

~~(iv) Operating conditions during the activity.~~

~~(v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation.~~

~~(vi) Maintenance or corrective action taken (if applicable).~~

~~(d) Your records must be in a form suitable and readily available for expeditious review. You must keep each record for 5 years following the date of each recorded action. You~~

~~must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.~~

GENERAL PROVISIONS

~~Pursuant to §63.11235, Table 8 to this subpart shows parts of the General Provisions in §§63.1 through 63.15.~~

49. COOLING TOWER; MDAQMD PERMIT # B001920; consisting of the following:

DESCRIPTION/CAPACITY:

~~—~~ A Marley cooling tower with design circulation rate of 32,000 gallons per minute:

Capacity	Equipment Name
600.00	Exhaust Fans, Four (4) @ 150 HP each
400.00	Utility Circulating Pumps, two (2) @ 200 HP each
2000.00	Process Circulating Pumps, two (2) @ 1,000 HP each
	Process Circulating Pump, Spare, one (1) @ 1,500 HP

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and ~~—~~ specifications submitted with the application under which this permit is issued unless ~~-~~ otherwise noted below.
[District Rule 204]
2. All Equipment shall be maintained and operated in strict accord with recommendations of ~~—~~ the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. Weekly tests of the blowdown water quality shall be performed by the owner/operator in ~~—~~ accordance with the standard test procedures. Based on these tests, a drift rate of ~~—~~ 0.0015%, which was the measured drift rate in 1990 and a PM10 fraction of 94.8% that ~~—~~ was measured in 1990, the mass emission rates for PM and PM10 shall not exceed 13.71 ~~—~~ and 13.00 lbs/hr respectively.
[District Rule 1303(A) - BACTNSR]
4. The drift rate of this cooling tower shall not exceed 0.002 percent with a maximum ~~—~~ circulation rate of 32,000 gallons per minute.
[District Rule 1303(A) - BACT]
5. While this equipment does not require a regularly scheduled emission compliance test, ~~—~~ emission compliance testing may be required at the discretion of the District.
[District Rule 204]

6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.

[District Rule 204]

8. The owner / operator shall maintain a log which, as a minimum, contains the following:

_____ ~~a.(a)~~ _____ Date blow down water quality test was performed,

_____ ~~b.(b)~~ _____ Concentration of PM and PM10,

_____ ~~e.(c)~~ _____ Circulation Flow rate, and

_____ ~~d.(d)~~ _____ Mass emission rate of PM and PM10(lb/hr)

[District Rule 204]

9. This log shall be maintained on site for a minimum of five (5) years and be provided to _____ District, state or federal personnel upon request.

[District Rule 204]

50. COAL STOCKOUT SYSTEM; , MDAQMD PERMIT # B000519; consisting of the following:

DESCRIPTION/CAPACITY:

_____ The railcar unloading equipment and coal transfer equipment, up to and including the coal stacking equipment within the coal barn:

Capacity	Equipment Name
0.00	Receiving Hopper, Underground - two compartments @ 100 ton capacity each
15.00	Railcar Shaker
120.00	East & West Feeder Conveyors, 60 hp each
200.00	No. 1 Collector Conveyor
250.00	No. 2 Collector Conveyor
125.00	Conveyor, C-12
11.00	Traveling Tripper
7.50	Telescopic Conveyor

PERMIT CONDITIONS:

1. This equipment shall not be operated unless it is vented to the functioning air pollution _____ control equipment covered by valid District permit C002124.

[District Rule 204]

2. All outside conveyor systems shall be fully covered. ~~Watersprays~~ Water sprays shall be provided at _____ the transfer point between the No. 2 collector conveyor and the C-12 conveyor and on the _____ telescopic chute, or at the feed end of the #1 collector conveyor from the coal train _____ receiving hopper. Use of these sprays is not mandatory unless necessary to control _____ dusting for compliance with District rules 401 and 403.

[District Rules 401 and 403]

3. Water spray systems in the receiving hoppers shall be operating when coal is being ~~_____~~ unloaded.

[District Regulation XIII - NSR]

4. No more than one unit train supplying solid fuel to NACC-SVM facilities shall operate in the ~~—~~Mojave Desert Air Basin (MDAB) during any one calendar day. For purposes of ~~_____~~determining compliance with this requirement, Searles Station shall serve as the entry ~~—~~point into the MDAB. The fuel unit trains shall not be considered operating in the MDAB ~~—~~if the trains are kept in Trona for maintenance, repairs, or for storage.
[NSR]

5. A log shall be maintained by NACC-SVM of fuel unit train operations in the MDAB which ~~-~~shall include but not be limited to:

~~A.(a)~~—Time and date when a full unit train is picked-up by the Trona Railroad at Searles Station.

~~B.(b)~~—Time and date when an empty unit train is dropped-off by the Trona Railroad at Searles Station.

~~C.(c)~~—Time, dates, and circumstances relative to unit trains which are kept in Trona for maintenance, repairs, or storage.

This information shall be maintained on-site for a minimum of two years and be ~~_____~~provided to District, state or federal personnel upon request.

[District Regulation XIII - NSR]

6. Should more than one fuel unit train operate in the MDAB during a given day, NACC SVM ~~—~~shall notify the District within 24 hours of the time the second train enters the air basin.

[District Regulation XIII - NSR]

7. All equipment shall be maintained and operated at all times in strict accord with ~~_____~~recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

51. SOLID FUEL EXTERIOR STOCKOUT AND RECLAIM SYSTEM, MDAQMD PERMIT #— B000520; consisting of the following:

DESCRIPTION/CAPACITY:

Capacity	Equipment Name
150.00	Conveyor, Exterior Stockout
	Dust Suppression Tower
	Pit, Reclaim (below ground) - 30 tons capacity
2.00	Reclaim Vibrator Feeder
40.00	Conveyor, Reclaim

Capacity	Equipment Name
	Surge Hopper - 30 tons capacity

PERMIT CONDITIONS:

1. The equipment listed on this permit shall be used to supply solid fuel to the exterior fuel storage area and to transfer fuel from this area to the normal coal reclaim system, under valid District permit B000521.
[District Regulation XIII - NSR]
2. Exterior emergency solid fuel storage shall be compacted and chemically sealed to prevent fugitive particulate emissions. Before using this fuel, except on an emergency basis, District approval is required.
[District Rules 401 and 403]
3. Not more than 320,000 tons of exterior solid fuel may be consumed during any three year period. In addition, during a twelve consecutive month period in which all exterior solid fuel handling operations fugitive sources are dust suppressed with water at a 0.32 gallon per square yard rate, not more than 160,000 tons of exterior solid fuel from the "ACE Long Term Storage Pile" may be consumed. Exterior solid fuel used for emergency purposes and/or coal purchased specifically for test burns shall not be included in this limit.
[District Regulation XIII - NSR; District Rules 401 and 403]
4. This equipment may be used to make and operate an open coal pile directly from a train.
[District Regulation XIII - NSR]
5. Interim use of an exterior coal pile shall comply with District Regulation IV. Sufficient _____water and sprays in operable condition shall be maintained. If the pile is not to be used _____for a 48 hour period, it is to be moved to an outside storage pile. The pile shall be _____compacted and chemically sealed.
6. All conveyors systems shall be fully enclosed. Water spray systems shall be provided and _____fully operating whenever conveyor systems are transferring solid fuel.
[District Regulation XIII - NSR]
7. Vehicle traffic areas associated with this permit shall be watered not less frequently than once every hour when exterior solid fuel stocking and reclaiming is occurring, except during emergency and test burn fuel handling when the minimum watering frequency shall be once every 3.5 hours.
[District Regulation XIII - NSR]
8. The owner/operator shall maintain an operational log current and on-site for this operation for at least five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, but not be limited to:
~~a.(a)-~~ Total monthly use of exterior solid fuel in tons, the source pile of the fuel, and the reason for the use of the fuel;

- ~~b.(b)~~— Date and amount of fuel (in tons) transferred to exterior storage;
~~e.(c)~~— Daily dust suppression watering frequency (applications per hour) and rate (in gallons per square yard) during any exterior solid fuel handling; and,
~~d.(d)~~— Date and nature of any exterior pile chemical sealing activity.
[District Rule 204]

52. COAL RECLAIM SYSTEM, MDAQMD PERMIT #— B000521; consisting of the following:

DESCRIPTION/CAPACITY:

Capacity	Equipment Name
	Coal Barn, "A" Frame Building 660' x 160', Nominal capacity 60,000 tons of solid fuel
	Portal Reclaimer - with the following motors:
100.00	Main Rake Drive
50.00	Auxiliary Rake Drive
18.80	Main Boom Hoist
11.00	Auxiliary Boom Hoist
7.50	Travel Drive "A"
7.50	Travel Drive "B"
7.80	Boom Hinge Link Actuator
2.00	Power Cable Reel
2.00	Control Cable Reel
0.50	Central Grease Lube Pump
0.50	Chain Oil Lube Pump
25.00	Conveyor, C-13 - Reclaim System
40.00	Conveyor, C-14
	Surge Hopper - 30 tons capacity
2.00	No. 1 Surge Hopper Vibrating Feeder - two motors 1 hp ea.
2.00	No. 2 Surge Hopper Vibrating Feeder
200.00	No. 1 Granulator (crusher) - Argus
300.00	No. 2 Granulator (crusher) - ACE
75.00	Conveyor, No. 1 Silo Feed
20.00	Conveyor, No. 2 Silo Feed
75.00	Conveyor, Drag Link
	Silos, Coal - six with 350 tons capacity ea.

PERMIT CONDITIONS:

1. This equipment shall not be operated unless it is vented to the functioning air pollution _____control equipment covered by valid District permits C002124 and C002125.

[District Rule 204]

2. All outside conveyor systems shall be fully covered. Watersprays shall be provided at the —transfer chute from the C-13 conveyor to the C-14 conveyor. Use of these sprays is not —mandatory unless necessary to control dusting for compliance with District rules 401 and —403.
[District Rules 401 and 403]
3. All equipment shall be maintained and operated at all times in strict accord with —recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
4. Emissions of particulate matter through the ventilation exhausts on the roof of the coal —barn shall not exceed limits defined in District rules 401 and 403.
[District Regulation XIII - NSR]

**52a. REFINED COAL TREATMENT SYSTEM, MDAQMD PERMIT # – B011272;
consisting of the following:**

DESCRIPTION/CAPACITY:

- System for applying coal treatment- consisting of calcium bromide solution (Mer-Sorb)
- mixed with cement kiln dust (S-Sorb). Application of coal treatment occurs within
- crusher house - Coal Reclaim System (B000521).

Capacity	Equipment Name
	S-Sorb:
	100 Ton Silo, 3, 348 cu ft capacity
	Silo Filler Vent, Model CW LPR8
	Filter Batcher Vent, Model CP-35
5	Aeration Blower, 5 hp
10	Screw Conveyor, 10 hp
0.33	Rotary Airlock Vane Feeder, 0.33 hp
15	Rotary Screw Air Compressor, 15 hp
	Mer-Sorb:
	6,000 Gallon Storage Tank
2	Recirculation Pump, 2 hp
1	Two Metering Pumps, 0.5 hp (2)

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

—[District Rule 203]

2. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
—[District Rule 203]
3. Application of coal treatment materials to coal shall occur only within the crusher house _____inherent to Coal Reclaim System, District Permit B000521.
[District Regulation XIII - NSR]
4. Associated storage silo and tank shall be used to store only cement kiln dust (100 ton silo) and calcium bromide solution (6,000 gallon tank).
[District Rule 204]
5. Cement Kiln Dust Storage Silo and Weigh Batcher shall only operate when integral silo bin vent and weigh batcher bin vent are properly operating and in use.
[District Rule 204]
6. The o/o shall maintain on-site a minimum inventory of bin vent filter replacement bags that assures compliance with these conditions.
[District Regulation XIII - NSR]
7. The weigh batcher and storage silo bin vents shall be equipped with a device to measure the pressure differential across the bags. Device shall be installed in a conspicuous location. In operation, the normal operating pressure differential shall not exceed 8 inch and 12 inch water column (maximum 20 inch water column during silo filling), respectively.
[District Regulation XIII - NSR]
8. Dust collected in the bin vents shall be discharged only into closed containers.
[District Regulation XIII - NSR]
9. The total amount of cement kiln dust loaded and batched shall not exceed 7,500 tons per calendar year.
[District Regulation XIII - NSR]
10. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District, State, or Federal personnel upon request:
 - a.(a)- Monthly baghouse stack observation date and result (using USEPA Method 22, and —USEPA ~~Method 9 if necessary~~Method 9 when visible emissions are detected);
 - b.(b)- Semi-annual bag and bag suspension system inspection date and results;
 - e.(c)- Monthly reading of baghouse pressure drop, date and value;

- ~~d.(d)~~ Date of bag replacements;
 - ~~e.(e)~~ Date and nature of any system repairs; and
 - ~~f.(f)~~ Annual amount of cement kiln dust received and batched in tons.
- [[District Regulation XIII](#) - NSR; Periodic Monitoring]

53. FLY ASH STORAGE & LOADOUT SYSTEM, MDAQMD PERMIT # – B000541; consisting of the following:

DESCRIPTION/CAPACITY:

- Collects ash from Argus Boilers' Electrostatic Precipitators (ESPs) (District permits C000557 and C000559), and has the following components/specifications:

Capacity	Equipment Name
7.50	Fan, Vent - also one spare @ 7.5 hp
100.00	Blowers, Air - 2 @ 50 hp ea
420.00	Heaters, Air - 2 @ 90 kW ea
	Fly Ash Hopper - 8,500 ft ³
30.00	Rotary Unloader, United Conveyor
0.75	Loading Spout
5.00	Loading Spout Exhaust Fan
	Water Spray System
	Duct/Vent to baghouse
30.0	30 hp fan for Truck Overfill Return Line

PERMIT CONDITIONS:

1. This equipment shall be operated/maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[[District Rule 204](#)]
2. This equipment shall be operated concurrently with boilers 25 (B000555) and/or 26 (B000554) and their ESP systems (C000557 and C000559) and shall be vented to Fly -Ash Storage and Loadout System Baghouse (C000540).
[[District Rule 204](#)]
3. Dry fly ash, from the storage silo, shall not be loaded into trucks unless the spout venting fan or the water spray system is operating.
[[District Rule 204](#)]
4. Dry fly ash shall not be loaded into trucks unless the spout is properly mated to prevent violations of Rule 401.
[[District Rule 401](#)]

54. BAGHOUSE, COAL STOCKOUT SYSTEM, MDAQMD PERMIT # C002124; consisting of the following:

DESCRIPTION/CAPACITY:

~~_____~~Serving Coal Stockout System (B000519) and Coal Reclaim System (B000521) -
McNally Systems, Inc. - Model N: Sonair Jet 1215-645-12158; -12,158 ft² cloth area
~~_____~~w/4.93:1 air to cloth ratio - gas flow at ambient degrees F and 60,000 ACFM.
~~Internal~~Integral 150 ~~_____~~hp fan, 10 hp blower, 3 hp screw, and 1 hp star valve:

PERMIT CONDITIONS:

1. The owner/-operator shall have a maintenance plan for this baghouse. This plan, at a ~~_____~~minimum, requires a log that includes visual emission readings on a regular basis, ~~_____~~recording of differential pressures across the baghouse and inspection/repairs frequency.
[District Rule 204]
2. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.[District Rule 204; 40 CFR 64]
~~The maintenance log for this baghouse shall be maintained on-site for five (5) years and be made available to District, state or federal personnel upon request.~~
3. The owner/-operator shall maintain on-site, as a minimum, an inventory of replacement ~~_____~~bags that assures compliance with applicable Rules of District Regulation IV.
[District Regulation XIII - NSR]
4. This baghouse shall be operated and maintained in strict accord with manufacturer's ~~_____~~and/or supplier's recommendations and/or sound engineering principles.
[District Rule 204]
5. This baghouse shall be operated within the following design specifications when coal is ~~_____~~being transferred: maximum outlet particulate concentration and mass emission rate shall ~~_____~~not exceed either 0.003 gr/ACF (at nominal maximum flow rate of 60,000 ACFM) or ~~_____~~1.54lb/hr, respectively.
[District Rule 1303(A) - BACT]
6. The owner/-operator shall conduct compliance tests relative to District Rules 404 and ~~_____~~405. ~~Testing shall be every five years~~must be conducted at least once every sixty (60) months starting in 1994.
~~_____and the tests results submitted to _____the District not later than six weeks prior to the~~

~~expiration date of this permit in those _____ years applicable. Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. [District Rules 404, 405 and 1303(A) - BACT]~~

~~7. The pollutant-specific emissions units (B000519 and B000521), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~2~~1 to ~~6~~10 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:~~

- ~~(a) Inspect the affected equipment,~~
- ~~(b) Initiate a corrective action, within 24 hours; and,~~
- ~~(c) Report/Document the excursion in the log book required under condition 2.~~

~~[40 CFR 64.7(d)]~~

~~8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 2.~~

~~[40 CFR 64.7(a)]~~

55. BAGHOUSE~~;~~, COAL RECLAIM SYSTEM, MDAQMD PERMIT # C002125~~;~~
consisting of the following:

DESCRIPTION/CAPACITY:

~~_____~~ Serving Crushers Nos. 1 and 2 - Coal Reclaim System (B000521) - McNally Systems, Inc. - Model N: Sonair Jet 1015-150-2355; 2,355 ft² cloth area w/5.09:1 A/C ratio - gas flow at ambient degrees F and 12,000 ACFM:

PERMIT CONDITIONS:

1. The owner-/operator shall have a maintenance plan for this baghouse. This plan, at a ~~_____~~ minimum, requires a log that includes visual emission readings on a regular basis, ~~-~~recording of differential pressures across the baghouse and inspection/repairs frequency.

~~[District Rule 204]~~

2. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 9;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 8.
- ~~[District Rule 204; 40 CFR 64]The maintenance log for this baghouse shall be maintained on-site for five (5) years and be made available to District, state or federal personnel upon request.~~

3. The owner-/operator shall maintain on-site, as a minimum, an inventory of replacement bags that assures compliance with applicable Rules of District Regulation IV. [District Regulation IV]

4. This baghouse shall be operated and maintained in strict accord with manufacturer's and/or supplier's recommendations and/or sound engineering principles. [District Rule 204]

5. This baghouse shall be operated within the following design specifications when coal is being transferred: maximum outlet particulate concentration and mass emission rate shall not exceed either 0.003 gr/ACF (at nominal maximum flow rate of 12,000 ACFM) or 0.314 lb/hr, respectively. [District Rule 1303(A) - BACT]

6. The owner-/operator shall conduct compliance tests relative to District Rules 404 and 405. Testing ~~shall be every five years~~must be conducted at least once every sixty (60) months starting in 1994 ~~and the tests results submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rules 404, 405 and 1303(A) - BACT]

7. An additional compliance test shall be performed within 90 days of initial operation of _____the Refined Coal treatment System. This test shall show compliance with Conditions 5 —and 6. Testing shall be carried out in accordance with District Compliance Test —Procedural Manual.

[District Rule 204]

8. The pollutant-specific emissions unit (B000521), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 212 to 6406 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 9. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
(b) Initiate a corrective action, within 24 hours; and,
(c) Report/Document the excursion in the log book required under condition 2.

[40 CFR 64.7(d)]

9. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 2.

[40 CFR 64.7(a)]

56. BAGHOUSE, MDAQMD PERMIT # C000540, consisting of the following:
DESCRIPTION/CAPACITY:

_____Controls emissions from Fly Ash Storage and Loadout System (District permit B000541) and has the following specifications:

- _____Flex-Kleen, model 100 CT-46
_____Bags: 46, each 6" dia x 8'L
_____Air to Cloth Ratio: 3.5:1
_____Three-compartment settling chamber
_____Vacuum System Pump Motors: 2 @ 75 hp ea (one is spare)

PERMIT CONDITIONS:

1. This equipment shall be operated concurrently with the Fly Ash Storage and Loadout _____System (District permit B000541).

[District Rule 204]

2. This baghouse shall be operated and maintained in strict accord with manufacturer's

_____and/or supplier's recommendations and/or sound engineering principles.
[District Rule 204]

57. ~~[RESERVED]~~

58. DIESEL IC ENGINE, EMERGENCY FIRE PUMP; MDAQMD PERMIT # E004550; consisting of the following:

DESCRIPTION/CAPACITY:

SVM # S4038, _____ Year of manufacture 1998, one Detroit Diesel, diesel fired internal combustion engine Model No. 10647110-671 and Serial No. 6A0325784, producing 170 bhp with 6 cylinders at 2100 rpm while consuming a maximum of 8 gal/hr. Detroit Diesel, Diesel, Model No 10647110-671, 6-cylinder, 170 bhp @ 2100 rpm, _____ Serial No. 6A0325784 (S4038):

PERMIT CONDITIONS:

1. This emergency, stationary, compression-ignited, internal combustion engine and after-treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

~~[40 CFR 63.6605(a) and (b) and 40 CFR 63.6625(e) —Subpart ZZZZ— NESHAP for Stationary Reciprocating Internal Combustion Engines]~~

2. This unit shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

~~_____a.(a)- Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, equal to a weight per weight basis; and,~~

~~_____b.(b)- A cetane index or aromatic content, as follows:~~

~~_____i.(i)- A minimum cetane index of 40; or,~~

~~_____ii.(ii)- A maximum aromatic content of 35 volume percent.~~

~~[District Rule 431; 17 CCR 93115.5(a); 40 CFR 63.6604] This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [40 CFR 63.6625(f); Rule 431]~~

3. ~~This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance. [Rule 204; 40 CFR 63.6640(f)(1)(ii)] This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted, or when the Elliot turbine drive is inoperative as it provides alternative power to the draft fan. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance, or any other non-emergency situations. Except as provided in 40 CFR~~

60.6640 (f)(4)(ii), the 20 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[District Rule 204; 17 CCR 93115.4(30) and 93115.6(b)(3); 40 CFR 63.6640(f)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

~~-[17 CCR 93115.10(d) and 40 CFR 63.6625(f)]40CFR 63.6625(f)~~

5. The annual hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled IC engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition.

~~-[Title 17 CCR 93115(c)16]~~

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

(a) Date of each use and duration of each use (in hours);

(b) Reason for use (testing & maintenance, emergency, required emission testing, etc.);

(c) Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,

(d) Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].

(e) Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,

(f) Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below.

[District Rule 204; 17 CCR 93115 - ATCM for Stationary Compression Engines; 40 CFR Part 63, Subpart ZZZZ]

~~The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:~~

~~a. Date of each use and duration of each use (in hours);~~

~~b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);~~

~~c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours~~

- ~~[17 CCR 93115]; and,~~
- ~~d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17CCR 93115].~~
- ~~e. Records of the occurrence and duration of each malfunction of operation of equipment, including air pollution control and monitoring equipment, the maintenance performed during these malfunctions, and the corrective actions taken to minimize emissions and restore malfunctioning processes and air pollution control and monitoring equipment to its normal operation [40 CFR 63.6655(a)]; and,~~
- ~~f. Maintenance performed on this equipment, inclusive of the requirements of 40 CFR 63, Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as listed below:
[17 CCR 93115, ATCM for Stationary Compression Engines; 40 CFR Part 63 Subpart ZZZZ]~~
7. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, the owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:
- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first. The owner/operator may utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend this requirement.
- (b) Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and
- (d) Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]

If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required above, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable. [40 CFR 63.6655]

~~Owner/operator must meet the following requirements;~~

- ~~—— a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in §63.6625(i) in order to extend this requirement.~~
- ~~—— b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;~~
- ~~—— c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and~~
- ~~—— d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6603, table 2d]~~

8. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern. [17 CCR 93115; 40 CFR 63, Subpart ZZZZ]

~~This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR §93115) and 40 CFR Part 63, Subpart ZZZZ (NESHAP). In the event of conflict between these conditions and the ATCM or NESHAP, the more stringent requirements shall govern.~~

~~58.9. [RESERVED]~~

~~60. **DIESEL IC ENGINE, PORTABLE AIR COMPRESSOR, MDAQMD PERMIT # -B005124; consisting of the following:**~~

~~DESCRIPTION/CAPACITY:~~

~~SVM# K0627, Year of manufacture 2019, EPA Tier 4F, USEPA Family KPKXL04.4MU1. This unit replaces Tier 1 engine having SN T0405T829910~~

One Caterpillar, Diesel fired internal combustion engine Model No. C4.4 and Serial No. TBD, After Cooled, Turbo Charged, producing 122 bhp with 4 cylinders at 2100 rpm while consuming a maximum of 5.9 gal/hr. This equipment powers a Sullair Compressor Model No. 375H DPQ JD and Serial No. TBD, rated at 375-425 cfm.

EMISSIONS RATES

Emission Type Est.	Max Load	Unit
CO	3.7	gm/bhp-hr
NOx	0.30	gm/bhp-hr
PM10	0.015	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.14	gm/bhp-hr

PERMIT CONDITIONS:

1. This certified Tier 4 Final diesel engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

~~_____~~ -[District Rule 1302(C)(2)(a)]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration

~~[District Rule 204; Title 17 CCR 93116.2(a)(29)]~~

3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; ~~or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.~~
~~[District Rule 431; Title 17 CCR Section 93116.3(a); Rule 431]~~

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 1302(C)(2)(a)]

5. The o/o shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- ~~a.(a)~~ Calendar year operation in terms of operating location, fuel consumption (in gallons) and total hours; and,
~~b.(b)~~ Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

~~[District Rule 204]~~

6. This portable, diesel-fired engine is certified to Tier 4 final emission standards and is therefore exempted from the requirements of section 93116.4 of Title 17 CCR 93116. To establish this exemption the Responsible Official (owner/operator) must provide the Certification Statement to the District and CARB when the engine initially satisfies the requirements of section 93116.4(a). This certification statement must list the following for each engine:

- ~~a.(a)~~ The District permit number; and,
~~b.(b)~~ The serial number.

Compliance Statements should be sent to the District via mail or electronically to reporting@mdaqmd.ca.gov

Compliance Statements should be mailed to CARB at:

ARB/PERP

P.O. Box 2038

Sacramento, CA 95812

[Title 17 CCR 93116.4(a)and(e)]

7. This unit is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater.
[Title 17 CCR 93116]

~~61. [RESERVED]~~

ARGUS FACILITY PORTABLE SANDBLASTING EQUIPMENT:

5962. PORTABLE ABRASIVE BLASTING SYSTEMS, MDAQMD PERMIT #'s A000522 (600 lb capacity, Clemco, Serial # 11395) & A000523 (600 lb capacity, Clemco, Model # 2452):

PERMIT CONDITIONS:

1. No person shall discharge into the atmosphere from any abrasive blasting which is conducted outside a permanent building any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated as No. 2 (40%) on the Ringelmann Chart, as published by the United States Bureau of Mines. **District/State Only**
2. No person shall discharge into the atmosphere from any abrasive blasting which is conducted within a permanent building any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated as No. 1 (20%) on the Ringelmann Chart, as published by the United States Bureau of Mines.

[District Rules 401]

3. This abrasive blast system shall only use steel, iron shot, grit or other abrasives that have been certified by the California Air Resources Board (CARB) for dry unconfined usage (CCR 17 Section 92520).
4. The abrasive blast system shall be operated/maintained in strict accord with manufacturer/supplier recommendations and/or sound engineering principles.

[District Rule 204]

C. EQUIPMENT DESCRIPTION: WESTEND PLANT:

1. B000221: SODIUM SULFATE B PROCESS (TRAIN 1), MDAQMD PERMIT # B000221:--Consisting of the following equipment:

Drying, screening and processing equipment, some of which is common with Train 2 but is rated on this permit. Horsepower have been converted to Btu assuming 2550 Btu per horsepower:

DESCRIPTION/CAPACITY:

<u>Capacity</u>	<u>Description</u>
<u>15.0</u>	<u>Rotary Dryer Burner, Maxon Kinedizer, 15 MMBtu/hr</u>
<u>0.1</u>	<u>Rotary Dryer Drive Motor (50 hp)</u>
<u>0.0</u>	<u>Elevator, dryer discharge (7.5 hp)</u>
<u>0.0</u>	<u>FD Fan (30 hp) Disintegrator (5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Hammer Mill (15 hp, common with Train 2)</u>
<u>0.0</u>	<u>Four Tyler Screens with vibrating motors (common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 1, No. 1 Dryer cyclone (5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 2, No. 2 Dryer cyclone (3 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 3, Fines Cross (7.5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 4, Tyler screen feed (7.5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 5, Elevator discharge (5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 6, Product Selector (5 hp, common with Train 2)</u>
<u>0.0</u>	<u>Screw No. 7, No. 6 Fines tank discharge (7.5 hp, common with Train 2)</u>
<u>0.1</u>	<u>FiveFour Belts plus a spare (42.5 total hp, common with train 2)</u>
	<u>Star valve No. 6 (common with train 2)</u>
	<u>Storage Tanks Common to Trains 1 and 2</u>
	<u>No. 1 = 53,650 cu ft/401,356 gallons</u>
	<u>No. 2 = 128,220 cu ft/959,214 gallons</u>
	<u>No. 3 = 128,220 cu ft/959,214 gallons</u>
	<u>No. 4 = 17,340 cu ft/129,721 gallons</u>
	<u>No. 5 = 149,800 cu ft/1,120,654 gallons</u>

PERMIT CONDITIONS:

1. The owner/-operator shall operate and maintain this equipment in strict accord with those ~~—~~ recommendations of the manufacturer/supplier and/or sound engineering principles.

[District Rule 204]

2. The owner/-operator shall operate the equipment in this process concurrently with ~~—~~ the scrubber and screen plant baghouse (District permits C000240 and C004431, ~~—~~ respectively).

[District Rule 204]

3. The owner-/operator shall comply with all rules and regulations of the District including, but not limited to, malfunction/breakdown notifications.

[District Rule 204]

4. The owner-/operator shall not produce more than 140,000 tons per year of product using this equipment, and shall log annual production amounts (in tons) to demonstrate compliance with this condition. This log shall be maintained current and onsite for five (5) years and shall be made available to District, state or federal personnel upon request.

[District Rule 204]

2. **VENTURI SCRUBBER (SODIUM SULFATE TRAIN 1)–, MDAQMD PERMIT # C000240; consisting of the following:**

DESCRIPTION/CAPACITY:

Sulfate "B" train No. 1 process:

Capacity Description

Venturi scrubber

50.0 Exhaust fan motor

10.0 Scrubber water recirculation pump

Cyclone

1.0 Cyclone discharge star valve

5.0 Cyclone discharge screw

PERMIT CONDITIONS:

1. This scrubber shall be operated concurrently with Sulfate Train No. 1 under valid District permit B000221.

[District Rule 204]

2. The owner-/operator shall comply with all District rules and regulations including, but not limited to, malfunction/breakdown notifications.

[District Rule 204]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:

(a) Daily reading of scrubber pressure drop (date and value);

(b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition 8;

(c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable
Annual internal inspection (date and results);

(d) Date and nature of any repairs, and

(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]

~~The owner / operator shall have a continuing program of maintenance/inspections in accordance with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data shall be required with the log kept on-site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.~~

4. The owner-/operator shall conduct compliance tests relative to District Rules 404 and ~~405~~ and these conditions. Testing ~~shall be every three (3) years~~ must be conducted at least once every thirty-six (36) months starting in 2001 ~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. [District Rules 404, 405 and 1303(A) - BACT]

5. The operating instructions shall be immediately available for use by the operator and ~~provided to District, state or federal personnel upon request.~~
[District Rule 204]

6. This scrubber shall discharge to the atmosphere no more than the following emissions ~~(Compliance with this condition shall be determined using the periodic compliance tests and production records):~~
- ~~a.(a)~~ TSP - 2.06 lb/hr.
 - ~~b.(b)~~ PM10 - 15,318 pounds per year (assuming PM10 fraction of 0.85).
 - ~~c.(c)~~ NOx - 0.021 pounds per ton of throughput.
 - ~~d.(d)~~ NOx - 2940 pounds per year.
 - ~~e.(e)~~ SOx - 0.0022 pounds per ton of throughput.
 - ~~f.(f)~~ SOx - 308 pounds per year.
- [District Rule 1303]

7. The pollutant-specific emissions unit (B000221537), for which this scrubber baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM

Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 23 to 615 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 3.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 3.
- [40 CFR 64.7(a)]

3. BAGHOUSE (SODIUM SULFATE PRODUCTION SCREENING) —, MDAQMD PERMIT # C004431:
DESCRIPTION/CAPACITY:

Mfg. By Fabric Filters Air Systems, Inc. and serving the Sulfate Production Screening operation with the following specifications:

- Model: 238-10-TRILOD
- Bags: 238 w/each 10' x 6" diameter
 - A/C Ratio: 5.1 x 1
 - Fan: 75 hp
 - Discharge Screw Motor: 1 hp
 - Dissolver Agitator Motor: 3hp

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with — recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and — provided to District, state or federal personnel upon request.
[District Rule 204]
3. This equipment shall be operated concurrently with Sulfate "B" Process Trains 1 and/or — 2, under valid District permits B000221 and B002253, respectively.
[District Rule 204]

4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 when visible emissions are detected), as outlined in condition ~~108~~;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 97.

~~[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity readings, pressure differential measurements, and maintenance inspections. Logging of these data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.~~

5. ~~The owner-/operator shall conduct compliance tests relative to District Rules 404 and 405 and these -conditions. Testing shall be every five (5) years starting in 2001 and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in each applicable year.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404, 405 and 1303(A) - BACT]

6. This baghouse shall discharge no more than 2.91 lb/hour of particulate (as TSP) or 21668 -pounds of PM10 per year (assuming a PM10 fraction of 0.85). Compliance with this —condition shall be determined using the periodic compliance tests and assumed —continuous operation.

[District Rule 1303(A) – BACT]

97. The pollutant-specific emissions units (B000221 and B002253), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of

40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of ~~220.5~~ to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition ~~108~~. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

~~108~~. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

4. **B002253: SODIUM SULFATE B PROCESS (TRAIN 2), MDAQMD PERMIT # B002253--Consisting of the following equipment:**

DESCRIPTION/CAPACITY:

Drying, screening and processing equipment, some of which is common with Train 1 and is rated on permit B000221:

<u>Capacity</u>	<u>Description</u>
<u>0.1</u>	<u>Rotary Dryer Drive Motor (50 hp)</u>
<u>15.0</u>	<u>Rotary Dryer Burner, Maxon Kinedizer, 15 MMBtu/hr</u>
	<u>FD Fan (30 hp)</u>
<u>0.0</u>	<u>Elevator - Dryer Discharge (7.5 hp)</u>
	<u>Disintegrator (common with Train 1)</u>
	<u>Hammer Mill (common with Train 1)</u>
	<u>4 Screens (common with Train 1)</u>
	<u>76 Screws (common with Train 1)</u>
	<u>54 Belts (common with Train 1)</u>
	<u>Spare Belt (common with Train 1)</u>
	<u>Star Valve No. 6 (common with Train 1)</u>
	<u>Storage Tanks Common to Trains 1 and 2:</u>
	<u>#1 53, 650 cu ft 401,356 gal</u>
	<u>#2 128,220 cu ft 959,214 gal</u>
	<u>#3 128,220 cu ft 959,214 gal</u>
	<u>#4 17,340 cu ft 129,721 gal</u>
	<u>#5 149,800 cu ft 1,120,654 gal</u>

PERMIT CONDITIONS:

1. The owner-/operator shall operate and maintain this equipment in strict accord with

those —recommendations of the manufacturer/supplier and/or sound engineering practices.

[District Rule 204]

2. The owner-/-operator shall operate the equipment in this process concurrently with —the scrubber and screen plant baghouse (District permits C000354 and C004431, —respectively).

[District Rule 204]

3. The owner-/-operator shall comply with all rules and regulations of the District, —including, but not limited to, malfunctions/breakdowns.

[District Rule 431]

4. The owner-/-operator shall not produce more than 140,000 tons per year of —product using this equipment, and shall log annual production amounts (in tons) to —demonstrate compliance with this condition. This log shall be maintained —current and —onsite for five (5) years and shall be made available to District, state or federal personnel upon request.

[District Rule 204]

5. VENTURI SCRUBBER (SODIUM SULFATE TRAIN 2)—, MDAQMD PERMIT # C000354:

DESCRIPTION/CAPACITY:

—Sulfate "B" Train No. 2 process:

Capacity	Equipment Name
	Venturi scrubber
7560.00	Exhaust fan motor
10.00	Scrubber water recirculation pump
	Cyclone
1.00	Cyclone discharge star valve
5.00	Cyclone discharge screw

PERMIT CONDITIONS:

1. This scrubber shall be operated concurrently with Sulfate Train No. 2 under valid District —permit B002253.

[District Rule 204]

2. The owner-/-operator shall comply with all District rules and regulations including, but —not limited to, malfunction/breakdown notifications.

[District Rule 204]

3. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
- (a) Daily reading of scrubber pressure drop (date and value);
 - (b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable (date and results);
 - (d) Date and nature of any repairs, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

~~[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications, which ensures compliance with District Rules. This program shall include, but not be limited to, regular opacity reading, pressure differential measurements, and maintenance inspections. Logging of these data shall be required with the log kept on site for a minimum of five (5) years. This log shall be provided to District, state or federal personnel upon request.~~

~~[District Rule 204]~~

4. The owner-/operator shall conduct compliance test relative to District Rules 404 and 405 —and these conditions. Testing shall be ~~every three (3) years~~conducted at least once every thirty-six (36) months starting in 2001~~and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rules 404, 405 and 1303(A) - BACT]

5. The operating instructions shall be immediately available for use by the operator and ~~provided to District, state or federal personnel upon request.~~

[District Rule 204]

6. This scrubber shall discharge to the atmosphere no more than the following emissions ~~(Compliance with this condition shall be determined using the periodic~~

compliance tests and production records):

- ~~a.~~ ~~(a)~~ TSP - 2.06 lb/hr.
- ~~b.~~ ~~(b)~~ PM10 - 15,318 pounds per year (assuming PM10 fraction of 0.85).
- ~~c.~~ ~~(c)~~ NOx - 0.021 pounds per ton of throughput.
- ~~d.~~ ~~(d)~~ NOx - 2940 pounds per year.
- ~~e.~~ ~~(e)~~ SOx - 0.0046 pounds per ton of throughput.
- ~~f.~~ ~~(f)~~ SOx - 644 pounds per year.

[District Rule 1303]

7. The pollutant-specific emissions unit (B002253), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 3 to 15 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 34.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 34.

[40 CFR 64.7(a)]

6. BORAX PROCESS TRAIN AND BULK LOADOUT; MDAQMD PERMIT # B000228:

DESCRIPTION/CAPACITY: EQUIPMENT DESCRIPTION:

Capacity	Equipment Name
0.1	C-5 Conveyor Belt (5 hp)
0.3	Inclined Screw Conveyor from E3 10 hp)
0.1	C-6 Conveyor Belt (3 hp)
0.0	C-7 Conveyor Belt (1.5 hp)
0.0	C-8 Conveyor Belt (1.5 hp)
0.0	C-9 Conveyor Belt (1.5 hp)
0.0	C-10 Conveyor Belt (1.5 hp)

Capacity	Equipment Name
0.0	C-11 Conveyor Belt (1.5 hp)
0.1	C-15 Conveyor Belt (5 hp)
0.1	C-16 Conveyor Belt (3 hp)
0.1	C-17 Conveyor Belt (5 hp)
0.1	C-18 Conveyor Belt (5 hp)
0.1	C-20 Conveyor , Conveyor, Screw (5 hp)
0.1	C-21 Conveyor Belt (2 hp)
0.1	C-73 Conveyor Belt (2 hp)
0.1	C- 64 <u>66</u> Dryer Feed Conveyor (2 hp)
0.1	E-3 Elevator (5 hp)
0.1	E-4 Elevator (5 hp)
0.1	E-5 Elevator (5 hp)
0.1	E-6 Elevator (5 hp)
0.1	E-7 Elevator (5 hp)
0.1	E-8 Elevator (5 hp)
0.1	E-9 Elevator (5 hp)
0.4	E-12 Elevator (15 hp)
0.4	E-13 Elevator (15 hp)
0.1	E-14 Elevator (5 hp)
0.1	E-1 Screen (3 hp)
0.1	E-2 Screen (3 hp)
0.1	1-W Screen (3 hp)
0.1	2-W Screen (3 hp)
0.5	Burner Blower (20 hp)
0.6	Dryer Drive (25 hp)
0.0	Retractable Loadout Chute (0.8 hp)
40.0	Bloom Engineering Burner (4 MMBtu/hr)
0.0	Storage Silos No. 1 through No. 8 - 8,000 cu ft ea, 59,848 gal ea
0.0	Delumper @ C-15
0.1	Delumper @ C-17 (5 hp)
0.1	Screw Conveyor to E-4 (3 hp)
0.1	C-54 Screw Conveyor to E-5 (3 hp)
0.1	Slipstick Conveyor to T-3 (3 hp)
0.1	Slipstick Conveyor to C-11
0.1	C-50 Conveyor Belt (5 hp)
0.1	40 Ton Bin Vibrator (5 hp)
0.1	Vibrating Feeder to C- 66 (5 hp)

Capacity	Equipment Name
0.0	C- 66-64 Vibrating Screw Conveyor to T5 Melter (1-5 hp)
0.1	C-45 Drag Conveyor (5 hp)
0.1	E-16 Elevator (5 hp)
0.1	Syntron Feeder @ T1 (3 hp)
0.1	Syntron Feeder @ T3 (3 hp)
0.1	Syntron Feeder @ T7 (3 hp)
0.1	Electric Vibrator, T1 (3 hp)
0.1	Electric Vibrator, T3 (3 hp)
0.1	Electric Vibrator, T5 (3 hp)
0.0	Electric Vibrator, T6 (1 hp)
0.2	Electric Vibrator, T7 (6hp)
0.2	Electric Vibrator, T8 (6hp)
0.1	Shaker, T8 (3 hp)
0.0	Electric Vibrator to C5/C6 (1 hp)
0.2	Dryer Discharge Conveyor (7.5 hp)
0.1	Product Cooler and Blower (5 hp)
0.2	Product Cooler Discharge Conveyor (7.5 hp)
0.2	Cooler Feed Conveyor (7.5 hp)
0.1	E-2 Elevator (5 hp)

PERMIT CONDITIONS:

- This equipment shall only be operated and maintained in strict accord with the _____ manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 204]
- This equipment shall not be operated unless vented to functioning Venturi Scrubber _____ (District permit C000241) and appropriate baghouses covered by District permits _____ C000347, C000348, C000353, and C000357.
[District Rule 204]

**7. SCRUBBER, VENTURI (BORAX PROCESS), MDAQMD PERMIT # —C000241;
consisting of the following:**

DESCRIPTION/CAPACITY:

_____ A knockout cyclone with a 0.5 hp discharge rotary valve, a 75 hp (10,000 ACFM design) _____ fan, a Fisher-Klosterman venturi scrubber, and a Fisher-Klosterman dual phase (T-5 pad _____ and T-100 pad) horizontal mist eliminator. This equipment is served by a 25 hp water _____ circulation motor and exhausts through a vertical stack (8000 ACFM @ 200 deg F):

PERMIT CONDITIONS:

- This scrubber shall be operated concurrently with the Borax process train under valid

~~_____~~District permit B000228.

~~[District Rule 204]~~

2. ~~The owner/operator shall comply with all District rules and regulations including, but not limited to, malfunction/breakdown notifications.~~
~~[District Rule 204]The owner/operator (o/o) shall have a continuing program of maintenance/inspections in accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include:~~
 - ~~a.(a) Monthly opacity readings;~~
 - ~~b.(b) Daily pressure differential measurements (operating days only); and,~~
 - ~~e.(c) Regular maintenance inspections, with a frequency determined by experience with this equipment.~~~~[District Rule 204]~~
3. ~~The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:~~
 - ~~(a) Daily reading of scrubber pressure drop (date and value);~~
 - ~~(b) Monthly exhaust stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary Method 9 when visible emissions are detected), as outlined in condition 8;~~
 - ~~(c) Annual inspection of Venturi, spray bars, head trays, and nozzles, as applicable (date and results);~~
 - ~~(d) Date and nature of any repairs,~~
 - ~~(e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7~~
~~The o/o shall maintain an operations/maintenance log(s) for this equipment on site for at least five (5) years, and shall make the log available to District, state and federal personnel upon request. This log shall include, at a minimum, the following:~~
 - ~~_____ a.(a) Date and results of monthly opacity readings;~~
 - ~~_____ b.(b) Date and result of pressure differential readings;~~
 - ~~_____ e.(c) Date and result of maintenance inspections; and,~~
 - ~~_____ d.(d) Monthly V-Bor process line production (tons).~~~~[District Rule 204; 40 CFR 64]~~
4. The operating instruction shall be immediately available for use by the operator and ~~_____~~provided to District, state or federal personnel upon request.
~~[District Rule 204]~~
5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing shall be performed ~~once every three (3) years at least once every thirty-six (36) months~~ starting in 1994, ~~and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. [District Rules 404 and 405]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 9.5 tons per year combined (verified through source tests and V-Bor process line production records on a rolling twelve month summary basis): C000241, C000347, C000348, C000353, C000357.

-[District Rule 1303]

[NSR]

7. The pollutant-specific emissions unit (B000228537), for which this scrubber controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 10 to 20 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
- (b) Initiate a corrective action, within 24 hours; and,
- (c) Report/Document the excursion in the log book required under condition 3.

[40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the scrubber is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the scrubber to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 3.

[40 CFR 64.7(a)]

8. **BAGHOUSE –, MDAQMD PERMIT # -C000353; consisting of the following:**
DESCRIPTION/CAPACITY:

Collects dusts from Borax train conveyor belts and consists of the following:

A Micro Pulsaire Model 69-6-70 baghouse, equipped with a 25 hp exhaust fan motor, 0.75 star

valve and 1.0 hp screw conveyor.

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with _____ recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and _____ provided to District, state or federal personnel upon request.
[District Rule 204]
3. This baghouse shall be operated concurrently with the Borax train under valid District _____ permit B000228.
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA ~~Method 9 if necessary~~ Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in _____ accord with manufacturer's recommendations and specifications, which ensures compliance with District Rules. This program shall include, but not be limited to, regular _____ opacity readings, pressure differential measurements, and maintenance inspections. _____ Logging of data shall be required with the log kept on-site for a minimum of five (5) _____ years. This log shall be provided to District, state or federal personnel upon request.
[District Rule 204]
5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing ~~shall be~~ must be performed ~~performed~~ at least once every ~~five (5) years~~ sixty (60) months starting in 2003 and the test results shall be submitted to the District not later than six weeks prior to the ~~expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a

minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404 and 405]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 9.5 tons per year combined (verified through source tests and V-Bor process line production records on a rolling twelve month summary basis): C000241, C000347, C000348, C000353, C000357.

[District Rule 1303]

7. The pollutant-specific emissions units (B000228), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 1-52 to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

9. **BAGHOUSE, BAGHOUSE—C000348; BORAX PRODUCTION, MDAQMD PERMIT # C000348; consisting of the following:**
DESCRIPTION/CAPACITY:

Capacity	Equipment Name
	Micro Pulsaire, 12,000 cfm, 850 rpm
75.00	Exhaust fan motor, type XL, size 129
2.00	Shaker
	Tipping Valve

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with _____ recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and _____ provided to District, state or federal personnel upon request.
[District Rule 204]
3. This baghouse shall be operated concurrently with the Borax train under valid District _____ permit B000228.
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary/Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

~~[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in _____ accord with manufacturer's recommendations and specifications, which ensures compliance with District Rules. This program shall include, but not be limited to, regular _____ opacity readings, pressure differential measurements, and maintenance inspections. _____ Logging of data shall be required with the log kept on site for a minimum of five (5) _____ years. This log shall be provided to District, state or federal personnel upon request.~~

[District Rule 204]
5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing ~~shall~~ must be performed at least once every ~~five (5) years~~ sixty (60) months starting in 1990 ~~and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be

submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. [District Rules 404 and 405]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 9.5 tons per year combined (verified through source tests and V-Bor process line production records on a rolling twelve month summary basis): C000241, C000347, C000348, C000353, C000357.

[District Rule 1303]

7. The pollutant-specific emissions units (B000228), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 4.52 to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

10. BAGHOUSE, EAST, MDAQMD PERMIT #— C000347; consisting of the following:

Collect dusts from Borax shipping and bulk loadout system and silos 1, 3, and 5, which consists of the following:

DESCRIPTION/CAPACITY:

Capacity	Equipment Name
	Wheelabrator baghouse (East)
30.0	Exhaust fan motor
0.8	Shaker

Capacity	Equipment Name
5.0	Discharge screw

PERMIT CONDITIONS:

1. The owner / operator shall operate/maintain this equipment in strict accord with _____ recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and _____ provided to District, state or federal personnel upon request.
[District Rule 204]
3. This baghouse shall be operated concurrently when the Borax train under valid District permit B000228 and the Loadout System.
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in _____ accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular _____ opacity readings, pressure differential measurements, and maintenance inspections. _____ Logging of data shall be required with the log kept on site for a minimum of five (5) _____ years. This log shall be provided to District, state or federal personnel upon request.

[District Rule 204]
5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing ~~shall~~ must be performed at least once every ~~five (5) years~~ sixty (60) months starting in 1990 ~~and the test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance

with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404 and 405]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 9.5 tons per year combined (verified through source tests and V-Bor process line production records on a rolling twelve month summary basis): C000241, C000347, C000348, C000353, C000357.

[District Rule 1303]

7. The pollutant-specific emissions units (B000228), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 42 to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

11. BAGHOUSE, WEST MDAQMD PERMIT # –C000357; consisting of the following:

DESCRIPTION/CAPACITY:

— Collects dust from Borax loadout system and Silos 2, 4, 6, and 8, and consists of the following:

Capacity	Equipment Name	Order
	Wheelabrator baghouse (west)	1
30.00	Exhaust fan motor	2

Capacity	Equipment Name	Order
0.75	Shaker	3
0.50	Star valve	4
5.00	Discharge screw	5

PERMIT CONDITIONS:

1. The owner / operator shall operate/maintain this equipment in strict accord with _____ recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and _____ provided to District, state or federal personnel upon request.
[District Rule 204]
3. This equipment shall be operated concurrently with Borax Process Train under valid _____ District permit B000228.
[District Rule 204]
4. The o/o shall conduct a minimum program of inspection and maintenance on this equipment. The o/o shall maintain current and on-site for five (5) years a log of the following information, which shall be provided to District personnel upon request:
 - (a) Daily reading of baghouse pressure drop (date and value);
 - (b) Monthly baghouse stack observation date and result (using USEPA Method 22, and USEPA Method 9 if necessary Method 9 when visible emissions are detected), as outlined in condition 8;
 - (c) Annual bag and bag suspension system inspection (date and results);
 - (d) Date of bag replacements, and
 - (e) Date of any excursion, a description of corrective action, and proof of reporting as required by condition 7.

~~[District Rule 204; 40 CFR 64]The owner / operator shall have a continuing program of maintenance/inspections in _____ accord with manufacturer's recommendations and specifications which ensures compliance with District Rules. This program shall include, but not be limited to, regular _____ opacity readings, pressure differential measurements, and maintenance inspections. _____ Logging of these data shall be required with the log kept on site for a minimum of five _____ (5) years. This log shall be provided to District, state or federal personnel upon request.~~

[District Rule 204]
5. The o/o shall conduct compliance tests relative to District Rules 404 and 405, and for PM₁₀ at a 0.85 fraction of TSP (lb/ton of throughput). Testing ~~shall~~ must be performed at least once every ~~five (5) years~~ sixty (60) months starting in 1990 ~~and the test results shall be submitted to the District not later than six weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test

Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.
[District Rules 404 and 405]

6. This equipment, and the equipment covered by the following valid permits, shall not emit to the atmosphere PM₁₀ (at a 0.85 fraction of TSP) in excess of 9.5 tons per year combined (verified through source tests and V-Bor process line production records on a rolling twelve month summary basis): C000241, C000347, C000348, C000353, C000357.

[District Rule 1303]

7. The pollutant-specific emissions units (B000228), for which this baghouse controls is subject to the requirements of Compliance Assurance Monitoring (CAM) of 40 CFR 64. As such this permit unit must be in compliance with an approved CAM Plan. An excursion of the CAM Plan is defined as a differential pressure outside the range of 2+ to 6 inches of column; and/or, the presence of visible emissions, as demonstrated by condition 8. Any excursion of the CAM Plan requires the owner operator to do the following:

- (a) Inspect the affected equipment,
 - (b) Initiate a corrective action, within 24 hours; and,
 - (c) Report/Document the excursion in the log book required under condition 4.
- [40 CFR 64.7(d)]

8. The o/o must conduct monthly 6-minute visible emissions inspections using EPA Method 22. The Method 22 test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner/operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner/operator must record each Method 22 test, including the date and any corrective actions taken, in the logbook required under condition 4.

[40 CFR 64.7(a)]

12. SULFATE SHIPPING –MDAQMD PERMIT # B001764; consisting of the following:

DESCRIPTION/CAPACITY:

Railcar/Truck Loadout (Shipping conveyors from storage tanks to shipping points) consisting of:

Capacity	Equipment Name
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Capacity	Equipment Name
5.00	Belt No. 77, East
5.00	Belt No. 78, West
7.50	Belt No. 79, 1st Sec.
10.00	Belt No. 80, 2nd Sec.
5.00	Screen No. 2
5.00	Tunnel Belt No. 5 Tank

PERMIT CONDITIONS:

1. This equipment shall be operated concurrently with functioning baghouses in operation
———(District permits C001765 and C000341).

[District Rule 204]

**13. BAGHOUSE (-, SODIUM SULFATE SHIPPING SCREENING)-; MDAQMD
———PERMIT # C001765; consisting of the following:**

DESCRIPTION/CAPACITY:

- A Mikro Pulsaire baghouse serving the Sulfate Shipping/Screening Plant with a 15 hp
———exhaust fan motor, an 0.8 star valve and a vibrator:

PERMIT CONDITIONS:

1. The owner-/operator shall operate/maintain this equipment in strict accord with
———recommendations of the manufacturer and/or sound engineering practices.

[District Rule 204]

2. The operating instructions shall be immediately available for use by the operator and
———provided to District, state or federal personnel upon request.

[District Rule 204]

3. This baghouse shall operate concurrently when the Sulfate Shipping Facilities are
———operating under valid District permit B001764.

[District Rule 204]

4. The owner-/operator shall have a continuing program of maintenance/inspections in
———accord with manufacturer's recommendations and specifications which ensures
———compliance with District Rules. This program shall include, but not be limited
to, regular —opacity readings, pressure differential measurements, and maintenance
inspections. —Logging of data shall be required with the log kept on site for a minimum
of five (5) —years. This log shall be provided to District, state or federal personnel
upon request.

[District Rule 204]

5. The owner-/operator shall conduct compliance tests relative to District Rules 404 and
———405 and these conditions. Testing ~~shall~~ must be conducted at least once every
sixty (60) months ~~be every five (5) years~~ starting in 2001 ~~and the~~ test results submitted
to the District not later than six (6) weeks prior to the expiration ~~date of this permit in~~

~~those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov. [District Rules 404 and 405]

6. This baghouse shall discharge no more than 0.86 lb/hour of particulate (as TSP) or 6383 ——— pounds of PM10 per year (assuming a PM10 fraction of 0.85). Compliance with this ——— condition shall be determined using the periodic compliance tests and assumed ——— continuous operation.
[District Rule 1303]

14. BAGHOUSE, ~~(SODIUM SULFATE LOADOUT,); MDAQMD PERMIT # C000341; consisting of the following:~~

DESCRIPTION/CAPACITY:

- A Mikro Pulsaire baghouse serving the Sulfate Shipping Railcar/Truck Loadout Facility
——— with a 7.5 hp fan motor, two 0.5 hp extendable chutes and a 0.8 hp star valve:

PERMIT CONDITIONS:

1. The owner/operator shall operate/maintain this equipment in strict accord with ——— recommendations of the manufacturer and/or sound engineering practices.
[District Rule 204]
2. The operating instructions shall be immediately available for use by the operator and ——— provided to District, state or federal personnel upon request.
[District Rule 204]
3. This baghouse shall operate concurrently with the Sulfate Shipping Facility under valid ——— District permit B001764.
[District Rule 204]
4. The owner-/operator shall have a continuing program of maintenance/inspections in ——— accord with manufacturer's recommendations and specifications which ensures ——— compliance with District Rules. This program shall include, but not be limited to, regular ——— opacity readings, pressure differential measurements, and maintenance inspections. ——— Logging of data shall be required with the log kept on site for a minimum of five (5) ——— years. This log shall be provided to District, state or federal personnel upon request.

[District Rule 204]

5. The owner-/operator shall conduct compliance tests relative to District Rules 404 and ~~these conditions. Testing shall be every five (5) years must be conducted at least once every sixty (60) months starting in 2001 and the test results submitted to the District not later than six (6) weeks prior to the expiration date of this permit in those years applicable.~~

Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rules 404 and 405]

6. This baghouse shall discharge no more than 0.43 lb/hr of particulate (as TSP) or 3191 ~~pounds of PM10 per year (assuming a PM10 fraction of 0.85). Compliance with this condition shall be determined using the periodic compliance tests and assumed continuous operation.~~

[District Rule 1303]

15. BOILER NO. 5; MDAQMD PERMIT # B009992; consisting of the following:
DESCRIPTION/CAPACITY:

Natural gas fired, "D" type Babcock & Wilcox FM Package Boiler (FM 106-88) with a maximum rating of 126.58 MM Btu/hr, producing 100,000 lb of steam per hour at 250 psig.

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. This equipment shall be exclusively fueled with pipeline quality natural gas and shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.
~~-[District Regulation XIII - NSR; District Rule 431]~~
3. ~~This equipment is subject to the federal NSPS codified at 40 CFR Part 60, Subparts Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units). Compliance with all applicable provisions of these regulations is required.~~

4. Emissions from this equipment shall not exceed the following emission limit at any firing rate verified by CEMS, except during periods of startup, shutdown and malfunction:
 - ~~a.~~ (a) NOx as NO2 – 1.27 lb/hr (“F Factor” of 8710 DSCF per MMBtu corrected to 3% oxygen based on a three hour rolling average updated every 15 minutes)
[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]
5. Emissions of NOx from this equipment shall only exceed the limits contained in Condition 4 during startup and shutdown periods. Startup is defined as the period beginning with ignition and lasting until the equipment has reached 30,000 lb of steam production per hour. Shutdown is defined as the period beginning with the lowering of equipment from base load and lasting until fuel flow is completely off and combustion has ceased.
[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]
6. Emissions from this equipment shall not exceed the following emission limits, based on a rolling 12 month summary:
 - ~~a.~~ (a) – NOx –11,088 lb/year, verified by CEMS
 - ~~b.~~ (b) – CO –44,354 lb/year, verified by compliance test and hours of operation
 - ~~c.~~ (c) – VOC as CH4 –5,988 lb/year, verified by compliance test and hours of operation
 - ~~d.~~ (d) – SOx as SO2 –654 lb/year, verified by fuel sulfur content and fuel use data
 - ~~e.~~ (e) – PM10 –8,316 lb/year, verified by most recent compliance test and hours of operation[District Regulation XIII - NSR]
7. Particulate emissions from this equipment shall not exceed an opacity equal to or greater than twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor.
[District Rule 401]
8. The o/o shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.
[District Regulation XIII - NSR]
9. Emissions of NOx and oxygen shall be monitored using a Continuous Emissions Monitoring System (CEMS). The o/o shall install, calibrate, maintain, and operate these monitoring systems according to a District-approved monitoring plan and MDAQMD Rule 218, and they shall be installed prior to initial equipment startup.
[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]
- ~~10. — The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the o/o shall provide a written test plan for District review and approval. Written notice of the~~

~~compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty five (45) days after testing.~~

~~———— [NSR; Subpart Db]~~

- ~~1110.~~ The o/o ~~shall perform the following~~must conduct a compliance test on this equipment at least once every twelve (12) months. ~~annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.~~ Compliance tests must be performed in accordance with the District Compliance Test Procedural Manual. The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

~~The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit.~~ The following compliance tests are required:

- ~~a.(a)-~~ NOx as NO2 in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Methods 19 and 20); shall not exceed 9 ppmvd and 1.27 lb/hr.
- ~~b.(b)-~~ VOC as CH4 in lb/hr (measured per USEPA Reference Methods 25A and 18); shall not exceed 0.68 lb/hr.
- ~~e.(c)-~~ SOx as SO2 in lb/hr; shall not exceed 0.07 lb/hr verified by stack test or fuel analysis.
- ~~d.(d)-~~ CO in ppmvd at 3% oxygen and lb/hr (measured per USEPA Reference Method 10); shall not exceed 50 ppmvd and 5.06 lb/hr.
- ~~e.(e)-~~ PM10 in gr/dscf and lb/hr (measured per USEPA Reference Methods 5 and 202 or CARB Method 5); shall not exceed 0.01 gr/dscf and 0.95 lb/hr verified during the initial compliance test and tested every fifth year thereafter.

[NSR; Subpart Db; [District Rule 1157.1\(C\)](#)]

- ~~1211.~~ The Continuous Emissions Monitoring System (CEMS) shall meet the following acceptability testing requirements from 40 CFR 60:

- ~~a.(a)-~~ For NOx, Appendix B - Performance Specification 2.
- ~~b.(b)-~~ For oxygen, Appendix B - Performance Specification 3.
- ~~e.(c)-~~ Appendix F - Quality Assurance Procedures.

[[District Regulation XIII](#) - NSR; [40 CFR 60](#), Subpart Db]

- ~~1312.~~ The o/o shall submit to the ~~APCO-MDAQMD~~ the following information for the preceding calendar quarter by January 30, April 30, July 30 and October 30 of each year this permit is in effect. This information shall be maintained on site for a minimum of five (5) years and shall be provided to District personnel on request:

- ~~a.(a)-~~ All continuous emissions data reduced and reported in accordance with the

District-approved CEMS protocol.

~~b.(b)~~— Maximum hourly and total quarterly emissions of NO_x.

~~e.(c)~~— Fuel sulfur content quarterly natural gas sulfur content reports from the natural gas supplier(s).

[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]

~~14~~13. Within 60 days after achieving the maximum firing rate at which the facility will be operated, but not later than 180 days after initial startup, the operator shall perform an initial compliance test. This test shall demonstrate that this equipment is capable of operation at a minimum load of 50% in compliance with the emission limits in Condition 4 above.

[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]

~~15~~14. This boiler shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart Db - Standards of Performance for Industrial Steam Generating Units (NSPS Db) as modified by EPA letter dated September 17, 2007. In the event of conflict between Permit Conditions and the NSPS, the more stringent requirements shall govern.

[40 CFR 60, Subpart Db]

~~16~~15. The o/o shall conduct an initial compliance test for the NO_x NSPS Subpart Db requirement by collecting data from the CEMS during the first 720 hours of operation (successive but not continuous periods of operation) within one (1) year of startup. EPA letter dated 9/17/2007 modifying 40 CFR 60.46b(e)(1) and 60.8(a).

[District Regulation XIII - NSR; 40 CFR 60, Subpart Db]

~~17~~16. The o/o shall comply with all applicable recordkeeping and reporting requirements of NSPS Db requirements. Records shall be kept for no less than 5 years and available to Local, State and Federal inspectors upon request.

[40 CFR 60, Subpart Db]

~~18~~17. For compliance with Rule 1157.1, this unit, which only has the capability to fire gaseous fuel, will comply with the “Gaseous and liquid fueled, high annual heat input permit unit” provisions as shown in Rule 1157.1 (C)(3)(a), and is subject to NO_x and CO compliance testing not less than once every 12 months, per (E)(1)(a).

[District Rule 1157.1]

~~16~~—[RESERVED]

~~17~~—[RESERVED]

~~18~~. **COOLING TOWER—, SULFATE NUMBER 1—, MDAQMD PERMIT # B005291—;**
consisting of the following:

DESCRIPTION/CAPACITY:

-Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of

2400 gpm.

-This tower functions as an ammonia condenser for the sulfate refrigeration process.

Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and _____ specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with recommendations of _____ the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of _____ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 _____ lb/hr respectively.
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator _____ in accordance with standard test procedures. Results of these weekly tests, including _____ mass emission rate, shall be logged and maintained on site for a minimum of five (5) _____ years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, _____ however, testing may be required at the discretion of the District.
[District Regulation XIII - NSR]
6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

19. COOLING TOWER, SULFATE NUMBER 2, MDAQMD PERMIT # B005188, consisting of the following:

DESCRIPTION/CAPACITY:

Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of

2400 gpm. This tower functions as an ammonia condenser for the sulfate refrigeration process. Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and _____ specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with recommendations of _____ the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of _____ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 _____ lb/hr respectively.
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner/-operator _____ in accordance with standard test procedures. Results of these weekly tests, including _____ mass emission rate, shall be logged and maintained on site for a minimum of five (5) -years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, _____ however, testing may be required at the discretion of the District.
_____[District Regulation - NSR]
6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

20. **COOLING TOWER-, SULFATE NUMBER 3 -, MDAQMD PERMIT # B005292; consisting of the following:**

DESCRIPTION/CAPACITY:

Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of 2400 gpm. This tower functions as an ammonia condenser for the sulfate refrigeration process. Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and _____ specifications submitted with the application under which this permit is issued unless -otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with recommendations of _____ the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of _____ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 _____ lb/hr respectively.
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator _____ in accordance with standard test procedures. Results of these weekly tests, including _____ mass emission rate, shall be logged and maintained on site for a minimum of five (5) -years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, _____ however, testing may be required at the discretion of the District.
[District Regulation - NSR]
6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

21. COOLING TOWER-, SULFATE NUMBER 4-, MDAQMD PERMIT # B005212-,
consisting of the following:

DESCRIPTION/CAPACITY:

Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of 2400 gpm. This tower functions as an ammonia condenser for the sulfate refrigeration process. Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and _____ specifications submitted with the application under which this permit is issued unless otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with recommendations of _____ the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of _____ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 _____ lb/hr respectively.
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator _____ in accordance with standard test procedures. Results of these weekly tests, including _____ mass emission rate, shall be logged and maintained on site for a minimum of five (5) _____ years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, _____ however, testing may be required at the discretion of the District.
[District Regulation XIII - NSR]
6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

22. COOLING TOWER, -SULFATE NUMBER 5-, MDAQMD PERMIT # B005213; consisting of the following:

DESCRIPTION/CAPACITY:

Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of 2400 gpm. This tower functions as an ammonia condenser for the sulfate refrigeration process. Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each

Capacity	Equipment Name
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and _____ specifications submitted with the application under which this permit is issued unless -otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with _____ recommendations of the manufacturer/supplier and/or sound engineering - _____ principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of _____ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 _____ lb/hr respectively.
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator _____ in accordance with standard test procedures. Results of these weekly tests, including _____ mass emission rate, shall be logged and maintained on site for a minimum of five (5) -years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, _____ however, testing may be required at the discretion of the District.
[District Regulation XIII - NSR]
6. A maintenance procedure shall be established that states how often and what procedures _____ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept _____ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

23. COOLING TOWER—, SULFATE NUMBER 6, MDAQMD PERMIT # — B005211; consisting of the following:

DESCRIPTION/CAPACITY:

-Evapco mfg cooling tower with a design drift rate of 0.0001% and a circulation rate of 2400 gpm. This tower functions as an ammonia condenser for the sulfate refrigeration process. Equipment associated with the cooling tower is:

Capacity	Equipment Name
90.00	Exhaust Fans, six (6) @ 15 hp each

Capacity	Equipment Name
15.00	Water Circulation Pumps, two (2) @ 7.5 hp each

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and ~~_____~~ specifications submitted with the application under which this permit is issued unless ~~-~~otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with ~~_____~~ recommendations of the manufacturer/supplier and/or sound engineering ~~-~~ ~~_____~~ principles.
[District Rule 204]
3. The drift rate shall not exceed 0.0035 percent based on the maximum circulation rate of ~~_____~~ 1800 gpm. The maximum PM and PM10 emission rates shall not exceed 1.35 and 0.92 ~~_____~~ lb/hr respectively.
~~_____~~ [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](for ~~_____~~ Periodic Monitoring Requirements, see Part II and Part III conditions)
[District Regulation XIII - NSR; 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator ~~_____~~ in accordance with standard test procedures. Results of these weekly tests, including ~~_____~~ mass emission rate, shall be logged and maintained on site for a minimum of five (5) ~~-~~years and provided to District, state or federal personnel upon request.
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, ~~_____~~ however, testing may be required at the discretion of the District.
[District Regulation XIII - NSR]
6. A maintenance procedure shall be established that states how often and what procedures ~~_____~~ will be used to ensure the integrity of the drift eliminators. This procedure is to be kept ~~_____~~ on-site and be available to District, state or federal personnel upon request.
[District Rule 204]

24. BORAX COOLING TOWER; MDAQMD PERMIT # B001926; consisting of the following:

DESCRIPTION/CAPACITY:

A Santea Fe Tank and Tower Company cooling tower with design circulation rate of 4,700 gallons per minute and provides cooling for the Borax process. Equipment associated with the cooling tower is:

~~_____~~ Capacity Equipment Name

- ~~90.00~~ (3) Exhaust fans, @ 30 hp each
- ~~280.00~~ (3) Utility circulating pumps, 150 hp, 100 hp, and 30 hp

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and ~~specifications~~ specifications submitted with the application under which this permit is issued unless ~~otherwise~~ otherwise noted below.
[District Rule 204]
2. All equipment shall be maintained and operated in strict accord with ~~recommendations~~ recommendations of the manufacturer/supplier and/or sound engineering ~~principles~~ principles.
3. ~~The drift rate shall not exceed 0.002 percent with a maximum circulation rate of 4700 gpm. The maximum emission rate of PM and PM10 shall not exceed 1.07 and 0.73 lb/hr respectively (based on a TDS of 30,000 ppmw with maximum flow rate and drift rate).~~
[District Regulation XIII - NSR]
4. Weekly tests of the blowdown water quality shall be performed by the owner / operator ~~in accordance with standard test procedures. Based on these tests and a drift rate of 0.0008%, which was the measured drift date in 1990, the mass emission rates for PM and PM10 shall not exceed 1.07 and 0.73 lb/hr respectively. Results of these weekly tests, including mass emission rate, shall be logged and maintained on site for a minimum of five (5) years and provided to District, state or federal personnel upon request.~~
[District Regulation XIII - NSR]
5. This equipment does not require a regularly scheduled emission compliance test, ~~however, testing may be required at the discretion of the District.~~
[District Regulation XIII - NSR]
6. A maintenance procedure shall be established that states how often and what procedures ~~will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on-site and be available to District, state or federal personnel upon request.~~
[District Rule 204]
7. The owner/-operator shall maintain a log which, as a minimum, consists of the ~~following:~~ following:
 - (a) ~~Date blowdown water quality test was performed,~~
 - (b) ~~Concentration of PM ~~a~~ and PM10,~~
 - (c) ~~Circulation flow rate, and~~
 - (d) ~~Mass emission rate of PM and PM10 (lb/hr).~~~~This log shall be maintained on site for a minimum of five (5) years and be~~

provided _____ District, state or federal personnel upon request.
[District Rule 204]

~~25-30. [RESERVED]~~

~~2531. **MOBILE TRANSLOADING CONVEYOR**; **MDAQMD PERMIT # B005205**;
consisting of the following:~~

~~**DESCRIPTION/CAPACITY:**~~

~~_____ Mfg. By Yuba City Steel, SN 122458, open, 35' l w/ Honda 18 hp gasoline engine:~~

~~**PERMIT CONDITIONS:**~~

- ~~1. Materials processed by equipment in this permit shall contain sufficient natural _____ and/or added moisture to ensure compliance with District rules 401 and 403. _____ Sufficient water and equipment in operable condition shall be maintained on-site _____ and used as necessary to ensure compliance with these rules.
[District Rules 401 and 403]~~
- ~~2. The owner-/operator shall operate and maintain this equipment in strict accord to _____ recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]~~

~~2632. **MOBILE TRANSLOADING CONVEYOR**; **MDAQMD PERMIT # B005224**;
consisting of the following:~~

~~**DESCRIPTION/CAPACITY:**~~

~~_____ Manufactured by Applied Conveyor Technologies, Inc, serial No. (~~NACC-SVM~~ #1198), mobile, open & 35' long with a Kohler 15hp gasoline engine and no emission control _____ device:~~

~~**PERMIT CONDITIONS:**~~

- ~~1. Operation of this equipment shall be conducted in compliance with all data and _____ specification submitted with the application under which this permit is issued unless -otherwise noted below.
[District Rule 204]~~
- ~~2. Materials processed by equipment in this permit shall contain sufficient natural and/or _____ added moisture to ensure compliance with District rules 401 and 403. Sufficient water -and equipment in operable condition shall be maintained on-site and used as necessary to -ensure compliance with these rules.
[District Rules 401 and 403]~~
- ~~3. The owner / operator shall operate and maintain this equipment in strict accord to _____ recommendations of the manufacturer/supplier and/or sound engineering principles.~~

[District Rule 204]

2733. CONVEYOR—MOBILE TRANSLOADING CONVEYOR, MDAQMD PERMIT # B003707; consisting of the following:

~~Multi-Product, 85 tons/hr, which consists of the following basic and control equipment:~~

DESCRIPTION/CAPACITY:

~~Multi-Product, 85 tons/hr, which consists of the following basic and control equipment:~~

Capacity	Equipment Name
	Baghouse, DCE Unimaster, type UMA100HG1+WAM PJ Dust Collector 7.5 hp
	Conveyor, Wilson 24" Model 219 D, serial number 01930442
	Spout, flexible - for sealing to trucks
35.00	Motor, Hatz 3L40C diesel
	Air Compressor Model SS3L3 3.0 hp

PERMIT CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and ~~specifications~~ specifications submitted with the application under which this permit is issued unless ~~otherwise~~ otherwise noted below.
[District Rule 204]
2. The ~~Maximum~~ maximum grain loading in the stack of the baghouse shall not exceed 0.02 grains per ~~dscf~~ dscf and the emission of PM10 shall not exceed 0.16 pounds per hour.
[District Rule 1303]
3. The owner/-operator shall operate this equipment in such a manner that the following ~~District rules~~ District rules are strictly adhered to: Rule 401, Visible Emissions; Rule 402, Nuisance; ~~Rule 403~~ Rule 403, Fugitive Dust; Rule 404, Particulate Matter, and Rule 405, Solid Particulate.
[District Rules 401, 402, 403, 404, and 405]
4. The owner/-operator shall operate and maintain this equipment in strict accord to ~~recommendations~~ recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
5. This equipment does not require a regularly schedules emission compliance test. ~~However~~ However, emission compliance testing may be required at the discretion of the District. ~~The owner / operator shall have such tests performed to determine compliance with permit limits and Rules 404 and 405.~~ The owner / operator shall have such tests performed to determine compliance with ~~permit limits and Rules 404 and 405.~~
[District Rule 404 and 405]
6. This equipment is also permitted to be operated at the Argus and Trona facilities.

[District Rule 204]

2834-37. [RESERVED]

38. TANK, WASTE OIL; MDAQMD PERMIT NUMBER # T009101: primarily used to store waste compressor oil; consisting of the following:

DESCRIPTION/CAPACITY:

Primarily used to store waste compressor oil.

<u>Capacity:</u>	<u>Equipment Description</u>
3800	3800 gal Oil Tank

PERMIT CONDITIONS:

1. Hazardous or toxic material other than used oil shall not be stored in this tank.
[District Rule 204]

WESTEND FACILITY WASTE OIL STORAGE, PAINT SPRAY AND PORTABLE ABRASIVE BLASTING EQUIPMENT:

239. PAINT SPRAY GUNS; MDAQMD PERMIT #s P004050 (Binks, Model Mach 1, HVLP, Serial # 66438) & P004051 (Binks, Model Mach 1, HVLP, Serial # 74674):

PERMIT CONDITIONS:

1. All coatings, diluents, thinners, solvents and methods of application shall comply with MDAQMD Rules 1113, 1114, 1115, 1116, and 442. Owner/Operator shall not discharge organic materials into the atmosphere from equipment in which organic solvents or materials containing organic solvents are used, unless such emissions have been reduced to the levels allowed in Rule 442.

[District Rules 442, 1113, 1114, 1115, and 1116]

2. A daily log shall be maintained of the VOC emissions from this operation, which contains at least the following items:

~~i.(a)~~ Equipment used to apply coating

~~ii.(b)~~ Type of coating used and its VOC limit under the applicable Rule

~~iii.(c)~~ Quantity of coating used and its VOC content

~~iv.(d)~~ Total VOCs generated by ~~ii.(b)~~ and ~~iii.(c)~~ above if covered; and

~~v.(e)~~ Type of material being coated.

[District Rule 204]

3. A daily record of usage for both photochemically and non-photochemically reactive solvents, diluents, thinners, reducers, cleaners, etc., which includes quantity and description, shall be maintained on-site. Note: The daily log information provides a basis for the Toxic Emission Inventory required by AB2588. Note 2: photochemically reactive solvents not allowed per District permit condition.

[District Rule 204]

4. This log shall be kept current, on-site for a minimum of five (5) years and provided to MDAQMD, state, or federal personnel on request.

[District Rule 204]

5. The owner-/-operator shall operate equipment described in this permit in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which will produce the minimum emission of air contaminants. Spray equipment shall be given unique identification marks attached thereto prior to use under this permit.

[District Rule 204]

6. No photochemically reactive portion of the coating is permitted. This includes the coating as purchased and any solvents which may be used as diluent, thinner, reducer or cleaner.

[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements](~~For Periodic Monitoring Requirements, see Part II and Part III conditions~~)

[District Rule 204—~~Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(e)(39)(ii)(B) — 11/09/78 — 43 FR 52237; Current Rule Version = 07/25/77~~]

7. This gun may be operated outside of the main areas of operation and/or a spray booth.

[District Rule 204]

~~40. — [RESERVED]~~

D. EQUIPMENT DESCRIPTION: RAILROAD:

1. ~~SAND LOADOUT/STORAGE~~; ~~MDAQMD PERMIT # B003883~~; ~~CONTROLLED BY BAGHOUSE~~; ~~MDAQMD PERMIT # C003884~~:

~~DESCRIPTION/CAPACITY:~~

- ~~Tank, Storage, 6'6"dia x 17'h, (565 cu. Ft.)~~
- ~~Conveyor, 9.5' x 44', w/ 5.0 hp motor~~
- ~~Tank, Feed, 5'x5'x4+' (121 cu ft.):~~

PERMIT CONDITIONS:

1. The sand storage tank shall not be operated or loaded unless vented to the functioning pollution control device covered by District permit C003884
[District Rule 204]
2. The owner-/operator shall operate and maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. This system shall not be operated unless the elevator and transfer point to the feed tank is completely covered.
[District Rule 204]

2. ~~SAND STORAGE BAGHOUSE~~; ~~MDAQMD PERMIT # C003884~~; ~~consisting of the following~~:

DESCRIPTION/CAPACITY:

- ~~Baghouse, Environmental Filters, Inc. Model No.66MS7:~~

PERMIT CONDITIONS:

1. The maximum grain loading in the stack of this baghouse shall not exceed 0.02 grains/dscf and emissions of PM10 shall not exceed 0.08 lbs/hr.
[District Rule 1303]
2. The owner-/operator shall operate and maintain this equipment in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles.
[District Rule 204]
3. The operating instructions shall be immediately available for use by the operator and provided to District, state or federal personnel upon request.
[District Rule 204]
4. This equipment shall be operated concurrently with the Sand Storage Tanks and Conveyor covered in District permit B003883.
[District Rule 204]
5. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

[District Rule 204]

RAILROAD FACILITY WASTE OIL STORAGE EQUIPMENT:

3. ~~5000 GALLON AND 1000 GALLON ABOVEGROUND WASTE CRANKCASE OIL STORAGE TANKS; MDAQMD PERMIT #'s T003953 & T003952: (5,000 gal, 6' dia x 24' l, co-located within containment area w/ a 20,000 gal diesel tank) & T003952 (1,000 Gallon, 45" diam. x 12' long and located near gasoline & diesel dispensing station):~~

DESCRIPTION/CAPACITY:

Both are aboveground tanks.

T003953 - (5,000 gal, 6' dia x 24' l, co-located within containment area w/ a 20,000 gal diesel tank)

T003952 - (1,000 Gallon, 45" diam. x 12' long and located near gasoline & diesel dispensing station):

PERMIT CONDITIONS:

1. This tank is limited to storing IC engine waste oil generated on-site by SWMSVM.
~~No hazardous or toxic materials other than internal combustion engine crankcase drainage oil may be stored in this tank.~~
[District Rule 204]
2. Owner/Operator shall keep data for all shipments of oil to other parties. This data shall contain the mass (or volume) throughput for District emission inventory purposes.
[District Rule 204]
3. Owner/Operator shall maintain and keep data for a minimum of five (5) years and provide it to District, state or federal personnel on request.
[District Rule 204]
4. ~~[RESERVED]~~

~~*PART IV*~~
~~*STANDARD FEDERAL OPERATING PERMIT CONDITIONS*~~
PART IV
STANDARD FEDERAL OPERATING CONDITIONS

A. STANDARD CONDITIONS:

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
7. The Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]
8. The Owner/Operator shall furnish to District, state or federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.

[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. The Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations, which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]
17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit. [40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit. [40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart F]
21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit. [40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible. [Section 113(a) of the Clean Air Act]

PART V OPERATIONAL FLEXIBILITY

A. ALTERNATIVE OPERATING SCENARIO(S):

No additional Operational Flexibility provisions allowed without appropriate permit modifications.

B. OFF PERMIT CHANGES:

- I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
 - A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and
 1. The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 1203(E)(1)(c)(i)(b)(2)]*
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. A modification subject to Regulation XIII; and *[See 1203(E)(1)(c)(i)(b)]*
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 1203(E)(1)(c)(b)]*
 - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See 1203(E)(1)(c)(i)(b)(3)]*
- II. Procedure for “Off Permit” Changes
 - A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
 1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)(a)]*
 2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
 - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See 1203(E)(1)(c)(ii)b]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See 1203(E)(1)(c)(ii)b.]*
 - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See 1203(E)(1)(c)(ii)b]*
 3. Permittee shall forward a copy of the application and notification to

USEPA upon submitting it to the District. *[See 1203(E)(1)(c)(ii)c]*

- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See 1203(E)(1)(c)(ii)a and g]*
 - C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(if)]*
 - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See 1203(E)(1)(c)(if)]*
- III. Other Requirements:
- A. The provisions of Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*[Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. The following referencing conventions are used in this Federal Operating Permit:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)
40CFR60, Appendix F, Quality Assurance Procedures
40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
40CFR61, Subpart M, National Emission Standards for Asbestos
40CFR63, NESHAP (MACT)
40CFR72, Permits Regulation (Acid Rain Program)
40CFR73, Sulfur Dioxide Allowance System
40CFR75, Continuous Emission Monitoring
40CFR75, Subpart D, Missing Data Substitution Procedures
40CFR75, Appendix B, Quality Assurance and Quality Control Procedures
40CFR75, Appendix C, Missing Data Estimating Procedures
40CFR75, Appendix D, Optional SO₂ Emissions Data Protocol
40CFR75, Appendix F, Conversion Procedures
40CFR75, Appendix G, Determination of CO₂ Emissions

B. Other conventions:

1. Unless otherwise noted, a “day” shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
ATCM	Air Toxic Control Measure
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute

gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MMBtu	pounds per million British thermal units
MACT	maximum achievable control technology
MMBtu	million British thermal units
MMBtu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
NSPS	new source performance standard
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. Definitions

1. Responsible Official - the person listed in Part I as the Responsible Official, or any other person that meets the definition of a Responsible Official in Rule 1201(Y).

E. MDAQMD Rule SIP History

For Rule SIP History including approval, pending approval, etc, see:
<http://www.mdaqmd.ca.gov/Modules/ShowDocument.aspx?documentid=45>

APPENDIX A PERMIT REVISION HISTORY

April 6, 2012 - Five Year Permit Term Renewal, for the period March 11, 2012 thru March 11, 2012, described as follows:

Parts I and III update with cancellation of the following permits:

B004551, B007788, B009075, B009077, B009079, C009076, C009078, C009080, B004514, B009172, B009173, and B009158.

Part I:

Part I update to “Operating Permits List” with additions, deletions, and name changes.

Part II:

Updated Rule 1113 references, Part II (A)(28); Page VI-212; Updated Rule 442 references, Part II(A)(26); Revised Rule 1116 VOC limits to current (SIP Pending), Part II (A)(31); Added Rule 1211 requirements (SIP Pending), Part II (A)(33);

Part III:

Deleted list of operating permits from sections A, B, C, and D. The facility wide list of operating permits is located in Part I;

Part III (B)(43) condition 3 and 4, and B(46) condition 3; Revised to include provisions of 40 CFR §98.33 - Calculating GHG emissions. Specifically, equipment to have CO2 CEMS and CERMS to meet Tier 4 Calculation Methodology found in 68.33(a)(4) for calculation of CO2.

Revised stationary emergency diesel IC engine permits to include 40 CFR part 63 subpart ZZZZ requirements. Part III (H) updated to reflect portability of unit.

Part VI:

Added definition of “Responsible Official”, Part VI(D)(1); Added Rule SIP History Reference, Part VI (E);

Changes made by C. Anderson

August 25, 2011 Minor Modification:

A coal treatment system was added, consisting of calcium bromide and cement kiln dust. System is controlled for PM with bin vents for CKD storage silo and weigh hopper. CT will be mixed with coal in crusher house under District permit B000521. PM emissions change negligible, <1 lb/yr.

Revised Part I and added Part III (B)(52a)-Refined Coal Treatment System (B011272) as well as added condition 7 (initial compliance test) to Part III (B)(55)-Baghouse C002125.

Changes made by C. Anderson

May 4, 2010 Minor Modification:

Added bucket elevators enabling magnesium chloride processing option to soda ash production lines 1, 2 and 3 (B000537, B000538 and B000547) and addressed alternate operation of said lines without heat from associated bleachers. Added monitoring and testing requirements to

associated crystallizer scrubbers 1, 2 and 3 (C000553, C000556 and C000552). No increase in emissions. Revised Part I and III to transform E003522 from emergency generator to emergency standby engine.

February 10, 2010 Significant Permit Modification described as follows:

Updated Sections I and III to reflect the addition of Boiler No 5, B009992, and the deletion of Boiler No 1, B000232. Pages affected: I-10; III-172, and III-187 through III-189 (Changes per Samuel J. Oktay, PE)

November 6, 2009 Administrative Modification described as follows:

Part I.A, Permits E009159, B009160, B009161, E009163, and B003955, added to contents.
Part I.A, Permits E003522, E003523, E004519, and E004553, updated contents to emergency.
Part I.B, Permit B004515, removed from contents.
Part I.D, Permit B009158, added to contents.
Part III.A.A, Permit M003522 to E003522, updated conditions to reflect emergency use.
Part III.A.B, Permit B003523 to E003523, updated conditions to reflect emergency use only.
Part III.A.C, Permit B004519 to E004519, updated conditions to reflect emergency use only.
Part III.A.D, Permit B004553 to E004553, updated conditions to reflect emergency use only.
Part III.A.E, Permit B004554, updated conditions to applicable Portable ATCM requirements.
Part III.A.F, Permit B007852, updated conditions to applicable Portable ATCM requirements.
Part III.A.I, Permit B009161, updated conditions to applicable Portable ATCM requirements.
Part III.B.57, Permit B004515, cancelled permit and left “Reserved” placeholder.
Part III.B.58, Permit B004550 to E004550, updated conditions to reflect emergency use only.
Part III.B.59, Permit B004551, updated conditions to applicable Portable ATCM requirements.
Part III.B.60, Permit B005124, updated conditions to applicable Portable ATCM requirements.
Part III.B.61, Permit B007788, updated conditions to applicable Portable ATCM requirements.
Part III.C.34, Permit B004514, updated conditions to applicable Portable ATCM requirements.
Part III.C.35, Permit E004708, updated conditions to applicable ATCM requirements.
Part III.D.3.B, Permit B009158, changed K0165 to K0615.
Part III.A.1.a and A.2.a, Permits B000448 and B000449, removed cyclone requirement.
Part III.A.13, Permit B000490, revised to include specific reference to process screen types.
Part III.A.26.4, Permit B001916, added EXXSOL D 60 as District approved kerosene.
Part III.A.39, Permit B003955, corrected description of equipment.
Part III.A.B, Permit P005206, paint gun changed Sharpe (HVLP) to Binks Mach 1 (HVLP).
Part III.B.43, Permit B000555, revised Bowl Feed Mills 3 @ 400 hp each, no equipment change.
Part I.B and Part III.B.A, Permit A000523, abrasive blaster model changed to Clemco.
Part III.C.8, Permit C000353, updated equipment description to include screw conveyor.

Minor general formatting changes to document as a result of Administrative Mods.

Per D. Mason request replaced John F. Tancredi with Mr. Stephen W. Cole as President in Part I.
Changes made by C. Anderson

June 4, 2007 Minor Permit Modification described as follows:

Updated Sections I and III to reflect changes to B000520, modifying the amount of exterior solid fuel activity and increasing related water use for dust suppression, with associated new operational log requirements. (Alan De Salvio)

January 17, 2007: 5 Year Permit Term Renewal for *Searles Valley Minerals (SVM)* for the period March 11, 2007 through March 11, 2012. (By, Bill Weese)

April 21, 2005 Significant Permit Modification described as follows:

Updated Sections I and III to add new permits B009075, C009076, B009077, C009078, B009079 and C009080. Updated Sections I and III to remove the following cancelled permits: A004049, B000230, B000231, B001636, B002486, C000243, C000244, C000355, C001693, C002890, C002891, C002892, M000234. (By, Alan De Salvio)

May 28, 2004 Significant Permit Modification described as follows:

Updated cover sheet and contact information to reflect name change from IMC Chemicals to Searles Valley Minerals Operations.
Updated Sections I and III to reflect changes made to permits B000228, B008672 and C000516.

April 21, 2003 Significant Permit Modification described as follows:

Updated Section III to reflect changes made to permits C000489, C000509, C000513 and C002487.

March 11, 2003 Significant Permit Modification described as follows:

Revise Title Page to reference page 2 for permit modification summaries.
Insert new page 2 and added detailed summaries for previous and current Title 5 changes.
Revised entire Title 5 format.
Updated Title 5 permit pages III 45-III 48 to reflect changes made to District Permits: C000516, C0001685, C001761, and C001978.

September 18, 2002 Administrative Modification described as follows:

These Administrative changes are necessary to correct the previously issued IMC Title 5 Permit (# 90002, issued 3/11/02).
Page 2, Table of Contents is updated for corrected page numbering.
Page III-69, BHP is corrected from 755 to the correct value of 190 from District Permit # B004516.
Page III-88 & 89; Item III.B.10(5), monohydrate crystallizer scrubber No. 1 (C000553) inventory of bags condition 5 not applicable for this equipment type and is not in MDAQMD Permit C000553. Condition deleted & renumbering done.
Page III-113 & 114; Item III.B.26(6), Condition 6 was replaced by the correct condition 6 existing in MDAQMD Permit C003667.

April 08, 2002 Significant Permit Modification described as follows:

Permit conditions were modified to define potential-to-emit (through emission limits), clarify record keeping, and require the surrender of emission offsets. No equipment was added; the only changes are to permit condition language. Six pages (III-168 through 172 and 172.1) of modified permit descriptions and conditions replaced five existing pages (III-168 through 172) in the Title V permit for IMC Chemical Company – Trona, Argus and Westend facilities (Permit Number 90002).

March 28, 2002 Administrative Modification described as follows:

Administrative changes were made to correct the previously submitted IMC Title 5 Permit (# 90002, issued 3/11/02). Part II, Page II-10, condition # 12 was modified to reflect the CAPCOA, CARB, EPA Recommended Periodic Monitoring document dated June 24, 1999. Part III, Page III-88, condition # 10 was modified to reflect District Permit # C000553 wording that was not copied correctly. The other change, Part III, Page III-103, condition # 21-A, was modified to reflect a more accurate description of baghouses subject to Subpart OOO.

Compliance Assurance Monitoring Plan

Searles Valley Minerals

APPENDIX **BB**
COMPLIANCE ASSURANCE MONITORING
~~BOILER 25 AND 26~~

Compliance Assurance Monitoring Plan

Searles Valley Minerals

~~**COMPLIANCE ASSURANCE MONITORING**~~

~~**PLAN**~~

~~**(CAM Plan)**~~

~~**for**~~

~~**PM Control from Material Handling**~~

~~**May 2023**~~

Compliance Assurance Monitoring Plan

Searles Valley Minerals

CAM Plan—PM Control

I. Background:

A. Emissions Units Subject:

Process Permit	Description of Process	Pollutant subject to Limitation or Standard [40 CFR 64.2(a)(1)]	Regulatory Authority for Limitation	Control Permit
B000448 & B000449	Pyrobor Plant Furnace No. 2 & 3	PM/PM10	District Rules 404, 405 & 1303-Offsets	C002487
B000471	Pyrobor Plant Milling & Screening	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000513
B000467	Pyrobor Bulk Loadout Facility	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000509
B000466	Borax Bulk Loadout	PM/PM10	District Rules 404 & 405	C000508 C000518
B000480	Boric Acid Dryer & Product Transfer/Storage	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000516 C001978 C001761 C001685
B000537	Soda Ash Production Line No. 1	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000533 C000544 C000553 C000527 C003533 C000532
B000538	Soda Ash Production Line No. 2	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000539 C000544 C000556 C000545 C000532
B000547	Soda Ash Production Line No. 3	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000548 C000544 C000552 C000549 C003534 C000532
B003672	Dryer System, No.1 Monohydrate Fluidized bed	PM/PM10 & Opacity	District Rules 404, 405, 1303-Offsets & 40 CFR 60, Subpart OOO	C003673 C003675 C003676 C003677
T000528	Frame Soda Ash Storage	PM/PM10	District Rules 404, 405 & 1303-Offsets	C000529
B000519 & B000521	Coal Reclaim System	PM/PM10	District Rules 404, 405 & 1303-BACT	C002124 C002125
B000221	Sodium Sulfate Process Train	PM/PM10	District Rules 404, 405 & 1303-BACT	C000240 C004431
B000519	Coal Stockout System	PM/PM10	District Rules 404, 405 & 1303-sBACT	C002124

B. Control Technology, Applicable Regulation, Emission Limit, and Monitoring

Compliance Assurance Monitoring Plan

Searles Valley Minerals

Requirements:

Control Technology (Permit & Type)	Applicable Regulation & Emission Limit	Monitoring Requirements from Permit
C002487—ESP	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 18.5 tpy of PM10 (District Rule 1303)	Source Test (once every 12 months)
C000513—Baghouse	0.0662 gr/dscf (District Rule 404) 9.32 lbs/hr (District Rule 405) 18.5 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000509—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 18.5 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C000508—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405)	Source Test (once every 60 months)
C000518—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405)	None—Not good
C000516—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.62 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C001978—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.62 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C001761—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.62 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C001685—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.62 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C000533—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000544—ESP	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 12 months)
C000553—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000527—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)

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C003533—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C000532—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 0.02 gr/dscf of TSP; 2.49 lbs/hr of TSP; 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000539—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000544—ESP	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 12 months)
C000556—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000545—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000532—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 0.02 gr/dscf of TSP; 2.49 lbs/hr of TSP; 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000548—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000544—ESP	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 12 months)
C000552—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000549—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C003534—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)
C000532—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 36 months)

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C003673—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303) 7% Opacity (40 CFR 60, Subpart OOO) 0.022 gr/dscf of TSP; 13.7lbs/hr (40 CFR 60, Subpart OOO)	Source Test (once every 12 months)
C003675—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303) 7% Opacity (40 CFR 60, Subpart OOO) 0.022 gr/dscf of TSP; 0.26 lbs/hr (40 CFR 60, Subpart OOO)	Source Test (once every 60 months)
C003676—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303) 7% Opacity (40 CFR 60, Subpart OOO) 0.022 gr/dscf of TSP; 0.26 lbs/hr (40 CFR 60, Subpart OOO)	Source Test (once every 60 months)
C003677—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303) 7% Opacity (40 CFR 60, Subpart OOO) 0.022 gr/dscf of TSP; 0.26 lbs/hr (40 CFR 60, Subpart OOO)	Source Test (once every 60 months)
C000529—baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 115 tpy of PM10 (District Rule 1303)	Source Test (once every 60 months)
C002124—baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 0.003gr/aef TSP; 1.54lbs/hr TSP (District Rule 1303)	Source Test (once every 60 months)
C002125—baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 0.003gr/aef TSP; 1.54lbs/hr TSP (District Rule 1303)	Source Test (once every 60 months)
C000240—Scrubber	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.06 lb/hr; 15,318 lbs/yr of PM10 (District Rule 1303)	Source Test (once every 36 months)
C004431—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 2.91 lbs/hr of TSP; or 21,668 lbs/yr of PM10 (District Rule 1303)	Source Test (once every 60 months)
C002124—Baghouse	? gr/dscf of TSP (District Rule 404) ? lbs/hr of TSP (District Rule 405) 0.003gr/aef TSP; 1.54lbs/hr TSP (District Rule 1303)	Source Test (once every 60 months)

H. Monitoring Approach:

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A. The key elements of the monitoring approach for all baghouse and scrubber PM Controls are presented in the table below:

Indicator	<i>Differential Pressure</i>	<i>Visible Emissions</i>
Measurement Approach	The differential pressure across the control device is measured with a differential pressure gauge.	Visible emissions from the control device will be evaluated on a monthly basis using USEPA Method 22 procedures.
Indicator Range	An excursion is defined as a differential pressure outside the range of 2 to 6 inches of water column.	An excursion is defined as the presence of visible emissions.
QIP Threshold	None selected.	None selected.
Performance Criteria	-	-
Data Representativeness	Pressure taps are located at the inlet and outlet of the control device	Measurements will be made at the emission point (exhaust) of the control device in accordance with USEPA Method 22.
Verification of Operational Status	-n/a	-n/a
QA/QC Practices and Criteria	The pressure gauge will be calibrated quarterly, and pressure taps will be checked daily for plugging and proper operation.	The observer of the emissions will be trained and familiar with USEPA Method 22 Procedures.
Monitoring Frequency	Pressure differential is monitored with the gauge continuously.	A 6-minute visible emission determination will be conducted in accordance with USEPA Method 22 on a monthly basis.
Data Collection Procedure	Pressure differential is manually recorded on a daily basis.	The observer of visible emission determination will document the determination in accordance with USEPA Method 22 on a monthly basis.
Averaging Period	None.	n/a

B. The key elements of the monitoring approach for all ESP PM Controls are presented in the table below:

<u>Indicator</u>	<u><i>Precipitator Voltage/Current</i></u>	<u><i>Visible Emissions</i></u>
<u>Measurement Approach</u>		<u>Visible emissions from the control device will be evaluated on a monthly basis using USEPA Method 22 procedures.</u>
<u>Indicator Range</u>		<u>An excursion is defined as the presence of visible emissions.</u>
<u>QIP Threshold</u>		<u>None selected.</u>
<u>Performance Criteria</u>	-	-
<u>Data Representativeness</u>		<u>Measurements will be made at the emission point (exhaust) of the control device in accordance with USEPA Method 22.</u>
<u>Verification of Operational Status</u>	-n/a	-n/a
<u>QA/QC Practices and Criteria</u>		<u>The observer of the emissions will be trained and familiar with USEPA Method 22 Procedures.</u>
<u>Monitoring Frequency</u>		<u>A 6-minute visible emission determination will be conducted in accordance with USEPA Method 22 on a monthly basis.</u>

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<u>Data Collection Procedure</u>	<u>Precipitator voltage/current is manually recorded on a daily basis.</u>	<u>The observer of visible emission determination will document the determination in accordance with USEPA Method 22 on a monthly basis.</u>
<u>Averaging Period</u>	<u>None.</u>	<u>n/a</u>

III. Justification for Monitoring approach:

A. Rationale for Selection of Performance Indicators:

Differential Pressure was selected as a 24-hour indicator because, in general, baghouses and scrubbers are designed to operate at a relatively consistent range of pressure. Monitoring pressure differential provides a means of detecting changes in operation that could lead to an increase in emissions. For example, an increase in pressure differential can indicate that the cleaning system is not frequent enough, cleaning equipment is damaged, the bags are becoming blind, or the airflow has increased. Additionally, a decrease in pressure differential may indicate a broken or loose bag. Pressure differential is also a good indicator of airflow through the control device. A pressure differential maintained within the range of 2 to 6 inches of water column indicates good performance of the control device; therefore, is a good performance indicator.

Visible Emissions was selected as a secondary indicator on a less frequent basis, since it is indicative of good operation and maintenance of the control device. When a PM control device is operating correctly, there is no visible emissions present at the exhaust. Any detection of visible emissions at the exhaust indicates reduced performance of the control device; therefore, is a good performance indicator.

B. Rationale for Selection of Indicator Ranges:

The indicator range selected for the pressure differential is 2 to 6 inches of water column. An excursion triggers an inspection, corrective action, and reporting requirement all of which is defined and required by permit condition on each affected control device. The pressure differential reading is manually recorded on a daily basis (once every 24 hour period). As the pressure differential reading approaches either end of the range, the operator schedules the control device for maintenance and external inspection which includes leak checks, tap checks, pulsing checks, solenoid firing checks, vibration checks, mechanical checks, and doors and latches check. This scheduled maintenance and external inspection occurs weekly. The pressure differential is still monitored daily, to ensure that if the control device triggers an excursion as defined as a differential pressure reading out of the range of 2 through 6 inches of water column, an excursion is documented and executed as required. The District has not required a QIP threshold for this indicator.

The indicator range selected for visible emissions is no visible emissions, verified via a USEPA Method 22 on a monthly basis. The presence of emissions triggers an excursion. When an excursion occurs, corrective action will be initiated, beginning with an evaluation of the occurrence to determine the action required for correcting the situation, all of which is defined and required by permit condition on each affected control device. An indicator range of no visible emissions was selected because an any emissions detected at the exhaust of the control

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~~device is indicative of an increase in particulate emissions. Although USEPA Method 22 is generally used for fugitive emissions, the visible/no visible emissions observations can be applied to ducted emissions. The District is requiring a QIP threshold for visible emissions at 2 excursions in a 6 month period, which is 3 percent of the total visible emissions observations. If this QIP threshold is exceeded in a 6 month period, a QIP will be developed and implemented.~~

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For

SEARLES VALLEY MINERALS

PM Control from Baghouses

July 2023

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I. Background on Baghouse Controls:

Emissions Units Subject, Control Technology, Applicable Regulation, Emission Limit, and Monitoring Requirements:

<u>District Permit Number</u>	<u>Process</u>	<u>Pollutant subject to Limitation or Standard [40 CFR 64.2(a)(1)]</u>	<u>Authority/Authority for Limitation: District Rules</u>	<u>Authority/Authority for Limitation: NSPS OOO</u>	<u>Authority/Authority for Limitation: R1303</u>	<u>Control Used (Permit)</u>	<u>C Unit Grain Loading, R404 Limit (grain/dscf)</u>	<u>C Unit Grain Loading, NSPS OOO Limit (grain/dscf)</u>	<u>C Unit Permit Grain Loading (grain/dscf)</u>	<u>Permit PM lb/hr Limit</u>	<u>R405 lb/hr Limit</u>	<u>Monitoring Requirements from Permit</u>	<u>CAM Indicator Range, Inches H₂O</u>
B000221	Sodium Sulfate Process Train	PM/PM10	404, 405	n/a	R1303	C004431	0.065	-	-	2.910	15.241	60-Month Test	0.5-6.6
B000228	Borax Process Train and Bulk Loadout	PM/PM10	404, 405	n/a	R1303	C000347	0.096	-	-	-	17.599	60-Month Test	2.61-6
B000228	Borax Process Train and Bulk Loadout	PM/PM10	404, 405	n/a	R1303	C000348	0.074	-	-	-	13.706	60-Month Test	2.61.5-6
B000228	Borax Process Train and Bulk Loadout	PM/PM10	404, 405	n/a	R1303	C000353	0.135	-	-	-	13.647	60-Month Test	2.61.5-6
B000228	Borax Process Train and Bulk Loadout	PM/PM10	404, 405	n/a	R1303	C000357	0.097	-	-	-	19.410	60-Month Test	2.61-6
B000466	Borax Bulk Loadout	PM/PM10	404, 405	n/a	n/a	C000508	0.109	-	-	-	15.166	60-Month Test	2.60.1-10
B000466	Borax Bulk Loadout	PM/PM10	404, 405	n/a	n/a	C000518	0.060	-	-	-	5.487	60-Month Test	2.60.1-10
B000467	Pyrobor Bulk Loadout Facility	PM/PM10	404, 405	n/a	R1303	C000509	0.059	-	-	-	15.108	60-Month Test	2.60.1-10
B000471	Pyrobor Plant Milling & Screening	PM/PM10	404, 405	n/a	R1303	C000513	0.049	-	-	-	9.511	36-Month Test	2.60.2-5
B000480	Boric Acid Dryer & Product Transfer/Storage	PM/PM10	404, 405	n/a	R1303	C001685	0.187	-	-	-	7.665	60-Month Test	2.60.1-6
B000480	Boric Acid Dryer & Product Transfer/Storage	PM/PM10	404, 405	n/a	R1303	C001761	0.106	-	-	-	15.166	60-Month Test	2.60.1-6
B000480	Boric Acid Dryer & Product Transfer/Storage	PM/PM10	404, 405	n/a	R1303	C001978	0.172	-	-	-	9.368	60-Month Test	2.60.1-6
B000519	Coal Stockout System	PM/PM10	404, 405	n/a	R1303	C002124	0.041	-	0.003	1.540	23.373	60-Month Test	1 - 10
B000521	Coal Reclaim System	PM/PM10	404, 405	n/a	R1303	C002124	0.041	-	0.003	1.540	23.373	60-Month Test	1 - 10
B000521	Coal Reclaim System	PM/PM10	404, 405	n/a	R1303	C002125	0.074	-	-	0.314	22.231	60-Month Test	1 - 10
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C000532	0.069	-	0.020	2.490	21.216	36-Month Test	2.62-8
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C000533	0.063	-	-	-	16.350	36-Month Test	2.61-9.5
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C003533	0.099	-	-	-	16.162	60-Month Test	2.60.5-3
B000538	Soda Ash Production Line No. 2	PM/PM10	404, 405	n/a	R1303	C000532	0.069	-	0.020	2.490	21.216	36-Month Test	2.62-8
B000538	Soda Ash Production Line	PM/PM10	404, 405	n/a	R1303	C000539	0.063	-	-	-	17.042	36-Month Test	2.61-12

SEARLES VALLEY MINERALS—TRONA, ARGUS and WESTEND FACILITY
MDAQMD Federal Operating Permit Number: 90002

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	<u>No. 2</u>												
B000547	<u>Soda Ash Production Line No. 3</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>n/a</u>	<u>R1303</u>	<u>C000532</u>	<u>0.069</u>	<u>=</u>	<u>0.020</u>	<u>2.490</u>	<u>21.216</u>	<u>36-Month Test</u>	<u>2-62-8</u>
B000547	<u>Soda Ash Production Line No. 3</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>n/a</u>	<u>R1303</u>	<u>C000548</u>	<u>0.063</u>	<u>=</u>	<u>=</u>	<u>=</u>	<u>15.492</u>	<u>36-Month Test</u>	<u>2-61-8</u>
B000547	<u>Soda Ash Production Line No. 3</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>n/a</u>	<u>R1303</u>	<u>C003534</u>	<u>0.099</u>	<u>=</u>	<u>=</u>	<u>=</u>	<u>16.628</u>	<u>60-Month Test</u>	<u>2-60.5-3</u>
B002253	<u>Sodium Sulfate B Process Train 2</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>n/a</u>	<u>R1303</u>	<u>C004431</u>	<u>0.065</u>	<u>=</u>	<u>=</u>	<u>2.910</u>	<u>15.241</u>	<u>60-Month Test</u>	<u>2-60.5-6</u>
B003672	<u>Dryer System, No.1 Monohydrate Fulidized bed</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>OOO</u>	<u>R1303</u>	<u>C003673</u>	<u>0.036</u>	<u>0.022</u>	<u>0.020</u>	<u>13.710</u>	<u>17.641</u>	<u>12-Month Test</u>	<u>2-62-8</u>
B003672	<u>Dryer System, No.1 Monohydrate Fulidized bed</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>OOO</u>	<u>R1303</u>	<u>C003675</u>	<u>0.162</u>	<u>0.022</u>	<u>0.020</u>	<u>0.260</u>	<u>17.048</u>	<u>60-Month Test</u>	<u>2-61-6</u>
B003672	<u>Dryer System, No.1 Monohydrate Fulidized bed</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>OOO</u>	<u>R1303</u>	<u>C003676</u>	<u>0.162</u>	<u>0.022</u>	<u>0.020</u>	<u>0.260</u>	<u>17.214</u>	<u>60-Month Test</u>	<u>2-61-6</u>
B003672	<u>Dryer System, No.1 Monohydrate Fulidized bed</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>OOO</u>	<u>R1303</u>	<u>C003677</u>	<u>0.162</u>	<u>0.022</u>	<u>0.020</u>	<u>0.260</u>	<u>17.170</u>	<u>60-Month Test</u>	<u>2-61-6</u>
T000528	<u>Frame Soda Ash Storage</u>	<u>PM/PM10</u>	<u>404, 405</u>	<u>n/a</u>	<u>R1303</u>	<u>C000529</u>	<u>0.066</u>	<u>=</u>	<u>=</u>	<u>=</u>	<u>21.162</u>	<u>60-Month Test</u>	<u>2-61-6</u>

Notes:

- All units subject to NSPS OOO must meet stack emissions requirements for units constructed, modified, or reconstructed after August 31, 1983, but before April 22, 2008. These units must meet 7% opacity as well as 0.022 gr/dscf

II. Monitoring Approach

All units listed in Section I have the same monitoring approach. The key elements of the monitoring approach are presented in the table below.

<u>Indicator</u>	<u>Differential Pressure</u>	<u>Visible Emissions</u>
<u>Measurement Approach</u>	<u>The differential pressure across the control device is measured with a differential pressure gauge.</u>	<u>Visible emissions from the control device will be evaluated on a monthly basis using USEPA Method 22 procedures.</u>
<u>Indicator Range</u>	<u>An excursion is defined as a differential pressure outside the range in the Background table in Section I, above.</u>	<u>An excursion is defined as the presence of visible emissions.</u>
<u>Performance Criteria</u>	-	-
<u>Data Representativeness</u>	<u>Pressure taps are located at the inlet and outlet of the control device</u>	<u>Measurements will be made at the emission point (exhaust) of the control device in accordance with USEPA Method 22.</u>
<u>Verification of Operational Status</u>	<u>n/a</u>	<u>n/a</u>
<u>QA/QC Practices and Criteria</u>	<u>The pressure gauge will be calibrated quarterly, and pressure taps will be checked daily for plugging and proper operation.</u>	<u>The observer of the emissions will be trained and familiar with USEPA Method 22 Procedures.</u>
<u>Monitoring Frequency</u>	<u>Pressure differential is monitored with the gauge continuously.</u>	<u>A 6-minute visible emission determination will be conducted in accordance with USEPA Method 22 on a monthly basis.</u>
<u>Data Collection Procedure</u>	<u>Pressure differential is manually recorded on a daily basis.</u>	<u>The observer of visible emission determination will document the determination in accordance with USEPA Method 22 on a monthly basis.</u>
<u>Averaging Period</u>	<u>None.</u>	<u>n/a</u>

III. Justification for Monitoring Approach:

A. —Rationale for Selection of Performance Indicators

Differential Pressure was selected as a daily (24-hour) indicator because, in general, baghouses are designed to operate at a relatively consistent range of pressure. Monitoring pressure differential provides a means of detecting changes in operation that could lead to an increase in emissions. For example, an increase in pressure differential can indicate that the cleaning system is not frequent enough, cleaning equipment is damaged, the bags are becoming blind, or the airflow has increased. Additionally, a decrease in pressure differential may indicate a broken or loose bag. Pressure differential is also a good indicator of airflow through the control device. A pressure differential

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maintained within the range shown in the Background table in Section I, above, indicates good performance of the control device; therefore, this is a good performance indicator.

Visible Emissions was selected as a secondary indicator on a less frequent basis (monthly), since it is indicative of good operation and maintenance of the control device. When a PM control device is operating correctly, there is no visible emissions present at the exhaust. Any detection of visible emissions at the exhaust indicates reduced performance of the control device; therefore, is a good performance indicator.

B. —Rationale for Selection of Indicator Ranges

For the pressure differential, the indicator range selected is shown in the Background table in Section I, above. The pressure differential reading is manually recorded on a daily basis (once every 24 hour period). An excursion triggers an inspection, corrective action, and reporting requirement all of which is defined and required by permit condition on each affected control device). Additionally, as the pressure differential reading approaches either end of the range, the operator schedules the control device for maintenance and external inspection which includes leak checks, tap checks, pulsing checks, solenoid firing checks, vibration checks, mechanical checks, and doors and latches check. The pressure differential is still monitored daily, to ensure that if the control device triggers an excursion as defined as a differential pressure reading out of the ranges specified, an excursion is documented and executed as required. The District has not required a QIP threshold for this indicator.

For visible emissions, the indicator range selected is no visible emissions, verified via a USEPA Method 22 on a monthly basis. The presence of emissions triggers an excursion. An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement. An indicator range of no visible emissions was selected because any emissions detected at the exhaust of the control device is indicative of an increase in particulate emissions. Although USEPA Method 22 is generally used for fugitive emissions, the visible/no visible emissions observations can be applied to ducted emissions. The District has not required a QIP threshold for this indicator.

For the pressure differential, the indicator range selected is shown in the table in Section I. The pressure differential reading is manually recorded on a daily basis (once every 24 hour period). An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement.

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COMPLIANCE ASSURANCE MONITORING
PLAN
(CAM Plan)

For

SEARLES VALLEY MINERALS

PM Control from Scrubbers

July 2023

Compliance Assurance Monitoring Plan

Searles Valley Minerals

Compliance Assurance Monitoring Plan (CAM Plan)
Searles Valley Minerals

I. Background on Scrubber Controls:

Emissions Units Subject, Control Technology, Applicable Regulation, Emission Limit, and Monitoring Requirements:

District Permit Number	Process	Pollutant subject to Limitation or Standard [40 CFR 64.2(a)(1)]	Authority for Limitation: District Rules	Authority for Limitation: NSPS OOO	Authority for Limitation: R1303	Control Used (Permit)	C Unit Grain Loading, R404 Limit (grain/dscf)	C Unit Grain Loading, NSPS OOO Limit (grain/dscf)	C Unit Permit Grain Loading (grain/dscf)	Permit PM lb/hr Limit	R405 lb/hr Limit	Monitoring Requirements from Permit	CAM Indicator Range, Inches H ₂ O
B000221	Sodium Sulfate Process Train	PM/PM10	404, 405	n/a	R1303	C000240	0.070	-	-	2.060	11.812	36-Month Test	3 - 15
B000228	Borax Process Train and Bulk Loadout	PM/PM10	404, 405	n/a	R1303	C000241	0.079	-	-	-	12.921	36-Month Test	10 - 20
B000480	Boric Acid Dryer & Product Transfer/Storage	PM/PM10	404, 405	n/a	R1303	C000516	0.074	-	-	-	8.302	36-Month Test	5 - 11
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C000527	0.196	-	-	-	15.783	36-Month Test	5 - 21
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C000553	0.071	-	-	-	17.396	36-Month Test	5 - 21
B000538	Soda Ash Production Line No. 2	PM/PM10	404, 405	n/a	R1303	C000545	0.089	-	-	-	16.592	36-Month Test	5 - 21
B000538	Soda Ash Production Line No. 2	PM/PM10	404, 405	n/a	R1303	C000556	0.119	-	-	-	17.009	36-Month Test	1 - 12
B000547	Soda Ash Production Line No. 3	PM/PM10	404, 405	n/a	R1303	C000549	0.090	-	-	-	15.638	36-Month Test	5 - 21
B000547	Soda Ash Production Line No. 3	PM/PM10	404, 405	n/a	R1303	C000552	0.123	-	-	-	15.638	36-Month Test	5 - 21
B002253	Sodium Sulfate B Process Train 2	PM/PM10	404, 405	n/a	R1303	C000354	0.070	-	-	2.060	12.503	36-Month Test	3 - 15

III. Monitoring Approach

All units listed in Section I have the same monitoring approach. The key elements of the monitoring approach are presented in the table below.

<u>Indicator</u>	<u>Differential Pressure</u>	<u>Visible Emissions</u>
<u>Measurement Approach</u>	<u>The differential pressure across the control device is measured with a differential pressure gauge.</u>	<u>Visible emissions from the control device will be evaluated on a monthly basis using USEPA Method 22-like-procedures.</u>
<u>Indicator Range</u>	<u>An excursion is defined as a differential pressure outside the range in the Background table in Section I, above.</u>	<u>An excursion is defined as the presence of visible emissions.</u>
<u>Performance Criteria</u>	-	-
<u>Data Representativeness</u>	<u>Pressure taps are located and is measured at the inlet and outlet of the control device</u>	<u>Measurements will be made at the emission point (exhaust) of the control device in accordance with USEPA Method 22.</u>
<u>Verification of Operational Status</u>	<u>n/a</u>	<u>n/a</u>
<u>QA/QC Practices and Criteria</u>	<u>The pressure gauge will be calibrated quarterly, and pressure taps will be checked daily for plugging and proper operation.</u>	<u>The observer of the emissions will be trained and familiar with USEPA Method 22 Procedures.</u>
<u>Monitoring Frequency</u>	<u>Pressure differential is monitored with the gauge continuously.</u>	<u>A 6-minute visible emission determination will be conducted in accordance with USEPA Method 22 on a monthly basis.</u>
<u>Data Collection Procedure</u>	<u>Pressure differential is manually recorded on a daily basis.</u>	<u>The observer of visible emission determination will document the determination in accordance with USEPA Method 22 on a monthly basis.</u>
<u>Averaging Period</u>	<u>None.</u>	<u>n/a</u>

III. Justification for Monitoring Approach:

A. —Rationale for Selection of Performance Indicators

Differential Pressure was selected as a 24-hour indicator because it indicates the water level in the scrubber. Maintaining an adequate water flow ensures adequate particulate removal. A high pressure drop indicates the water level in the scrubber is too high. Usually, high water level problems are caused by a malfunction of the scrubber water level controller. A low pressure drop is caused by loss of water in the scrubber. A pressure differential maintained within the ranges indicated in the Background table of Section 1 indicates proper water lever and good performance of the control device;

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therefore, is a good performance indicator.

Visible Emissions was selected as a secondary indicator on a less frequent basis, since it is indicative of good operation and maintenance of the control device. When a PM control device is operating correctly, there is no visible emissions present at the exhaust. Any detection of visible emissions at the exhaust indicates reduced performance of the control device; therefore, this is a good performance indicator.

B. —Rationale for Selection of Indicator Ranges

For the pressure differential, the indicator range selected is shown in the Background table in Section I, above. The pressure differential reading is manually recorded on a daily basis (once every 24 hour period). An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement. An excursion triggers an inspection, corrective action, and reporting requirement all of which is defined and required by permit condition on each affected control device). Additionally, as the pressure differential reading approaches either end of the range, the operator schedules the control device for maintenance and external inspection. The pressure differential is still monitored daily, to ensure that if the control device triggers an excursion as defined as a differential pressure reading out of the ranges specified, an excursion is documented and executed as required. The District has not required a QIP threshold for this indicator.

For visible emissions, the indicator range selected is no visible emissions, verified via a USEPA Method 22 on a monthly basis. The presence of emissions triggers an excursion. An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement. An indicator range of no visible emissions was selected because any emissions detected at the exhaust of the control device is indicative of an increase in particulate emissions. Although USEPA Method 22 is generally used for fugitive emissions, the visible/no visible emissions observations can be applied to ducted emissions. The District has not required a QIP threshold for this indicator.

For the pressure differential, the indicator range selected is shown in the table in Section I. The pressure differential reading is manually recorded on a daily basis (once every 24 hour period). An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement.

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(CAM Plan)

For

SEARLES VALLEY MINERALS

PM Control from ~~Electrostatic Precipitators (ESPs)~~

July 2023

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I. Background of ESP Controls:

Emissions Units Subject, Control Technology, Applicable Regulation, Emission Limit, and Monitoring Requirements:

District Permit Number	Process	Pollutant subject to Limitation or Standard [40 CFR 64.2(a)(1)]	Authority for Limitation: District Rules	Authority for Limitation: NSPS OOO	Authority for Limitation: R1303	Control Used (Permit)	C Unit Grain Loading, R404 Limit (grain/dscf)	C Unit Grain Loading, NSPS OOO Limit (grain/dscf)	C Unit Permit Grain Loading (grain/dscf)	Permit PM lb/hr Limit	R405 lb/hr Limit	Monitoring Requirements from Permit	CAM Indicator Range, Minimum Secondary Total Power
B000448	Pyrobor Plant Furnance No. 2	PM/PM10	404, 405	n/a	R1303	C002487	0.044	-	-	-	11.314	12-Month Test	13.75 kW TBD
B000449	Pyrobor Plant Furnance No. 3	PM/PM10	404, 405	n/a	R1303	C002487	0.044	-	-	-	11.314	12-Month Test	13.75 kW TBD
B000537	Soda Ash Production Line No. 1	PM/PM10	404, 405	n/a	R1303	C000544	0.038	-	-	-	20.136	12-Month Test	33.75 kW TBD
B000538	Soda Ash Production Line No. 2	PM/PM10	404, 405	n/a	R1303	C000544	0.038	-	-	-	20.136	12-Month Test	TBD 33.75 kW
B000547	Soda Ash Production Line No. 3	PM/PM10	404, 405	n/a	R1303	C000544	0.038	-	-	-	20.136	12-Month Test	TBD 33.75 kW

II. -Monitoring Approach

All units listed in Background, Section I, above have the same monitoring approach. The key elements of the monitoring approach are presented in the table below.

<u>Indicator</u>	<u>Total Secondary Power Input</u>	<u>Visible Emissions</u>
<u>Measurement Approach</u>	The secondary voltage is measured using a voltmeter and the secondary current is measured using an ammeter. The total secondary power input to the ESP is the sum of the products of the secondary voltage and secondary current in each field.	Visible emissions from the control device will be evaluated on a monthly basis using USEPA Method 22-like- procedures.
<u>Indicator Range</u>	An excursion is defined as a total secondary power input less than the value in the Background table in Section I, above.	An excursion is defined as the presence of visible emissions.
<u>Performance Criteria</u>	-	-
<u>Data Representativeness</u>	The secondary voltage and current are measured using the instrumentation the manufacturer provided with the ESP for measuring and ensuring the total secondary power input is in the correct range for optimal performance.	Measurements will be made at the emission point (exhaust) of the control device in accordance with USEPA Method 22.
<u>Verification of Operational Status</u>	n/a	n/a
<u>QA/QC Practices and Criteria</u>	Calibrating the power meters by confirming meters read zero when the unit is not operating.	The observer of the emissions will be trained and familiar with USEPA Method 22 Procedures.
<u>Monitoring Frequency</u>	The secondary voltage and current are measured continuously.	A 6-minute visible emission determination will be conducted in accordance with USEPA Method 22 on a monthly basis.
<u>Data Collection Procedure</u>	Secondary voltage and current and total power input are recorded manually on a daily basis.	The observer of visible emission determination will document the determination in accordance with USEPA Method 22 on a monthly basis.
<u>Averaging Period</u>	3-hr	n/a

III. Justification for Monitoring Approach:

A. —Rationale for Selection of Performance Indicators

Total secondary power input calculated from secondary voltage and current was selected

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as a 24-hour indicator. In an ESP, electric fields are established by applying a direct-current voltage across a pair of electrodes, a discharge electrode and a collection electrode. Particulate matter suspended in the gas stream is electrically charged by passing through the electric field around each discharge electrode (the negatively charged electrode). The negatively charged particles then migrate toward the positively charged collection electrodes. The particulate matter is separated from the gas stream by retention on the collection electrode. Particulate is removed from the collection plates by shaking or rapping the plates.

As a general rule, ESP performance improves as total power input increases. This relationship is true when particulate matter and gas stream properties (such as PM concentration, size distribution, resistivity, and gas flow rate) remain stable and all equipment components (such as rappers, plates, wires, hoppers, and transformer-rectifiers) operate satisfactorily.

The secondary voltage drops when a malfunction, such as grounded electrodes, occurs in the ESP. When the secondary voltage drops, less particulate is charged and collected. Also, the secondary voltage can remain high but fail to perform its function if the collection plates are not cleaned, or rapped, appropriately. If the collection plates are not cleaned, the current drops. Thus, since the power is the product of the voltage and the current, monitoring the power input will provide a reasonable assurance that the ESP is functioning properly. ~~In other words, problems that would be detected by monitoring other parameters individually also will be manifested in the power input.~~

Visible Emissions was selected as a secondary indicator on a less frequent basis, since it is indicative of good operation and maintenance of the control device. When a PM control device is operating correctly, there is no visible emissions present at the exhaust. Any detection of visible emissions at the exhaust indicates reduced performance of the control device; therefore, this is a good performance indicator.

B. —Rationale for Selection of Indicator Ranges

For secondary power input, the total secondary power input to the ESP refers to the sum of the products of the secondary voltage and secondary current for each field. The indicator range for the total power was selected based on the level indicated from historical operation and manufacturer specifications. An excursion is defined as a 3-hr average total power input less than the value in the Background table in Section I, above. When an excursion occurs, this triggers an inspection, corrective action and reporting requirement. The District has not required a QIP threshold for this indicator.

For visible emissions, the indicator range selected is no visible emissions, verified via a

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USEPA Method 22 on a monthly basis. The presence of emissions triggers an excursion. An excursion outside the indicator range triggers an inspection, corrective action, and reporting requirement. An indicator range of no visible emissions was selected because an any emissions detected at the exhaust of the control device is indicative of an increase in particulate emissions. Although USEPA Method 22 is generally used for fugitive emissions, the visible/no visible emissions observations can be applied to ducted emissions. The District has not required a QIP threshold for this indicator.

For secondary power input, the total secondary power input to the ESP refers to the sum of the products of the secondary voltage and secondary current for each field. The indicator range for the total power was selected based on the level indicated from historical operation.

An excursion is defined as a 3-hr average total power input less than the value in the table in Section I. When an excursion occurs, this triggers an inspection, corrective action and reporting requirement.

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~~**COMPLIANCE ASSURANCE MONITORING**~~

~~**PLAN**~~

~~**(CAM Plan)**~~

~~**for**~~

~~**PM Control from Boilers 25 & 26**~~

~~**Revised May 2023**~~

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I. Background:

A. Emissions Units Subject:

<u>Process Permit</u>	<u>Description of Process</u>	<u>Pollutant subject to Limitation or Standard</u> <u>40 CFR 64.2(a)(1)</u>	<u>Regulatory Authority for Limitation</u>	<u>Control Permit</u>
<u>B000555</u>	<u>Argus Boiler, Fossil Fuel Fired (No.25)</u>	<u>PM/PM10</u>	<u>District Rules 476 & 1303; 40 CFR 63, Subpart JJJJJ</u>	<u>C000557</u>
<u>B000554</u>	<u>Argus Boiler, Fossil Fuel Fired (No.26)</u>	<u>PM/PM10</u>	<u>District Rules 476 & 1303; 40 CFR 63, Subpart JJJJJ</u>	<u>C000559</u>

B. Control Technology, Applicable Regulation, Emission Limit, and Monitoring Requirements:

<u>Control Technology (Permit & Type)</u>	<u>Applicable Regulation & Emission Limit</u>	<u>Monitoring Requirements from Permit</u>
<u>C000557—ESP</u>	<u>0.01-gr/dscf of PM (District Rule 475)</u> <u>90.0 lbs/hr of PM10 (District Rule 1303 and 40 CFR 63, Subpart JJJJJ)</u>	<u>Source Test (once every 12 months)</u>
<u>C000559—ESP</u>	<u>0.01-gr/dscf of PM (District Rule 475)</u> <u>90.0 lbs/hr of PM10 (District Rule 1303 and 40 CFR 63, Subpart JJJJJ)</u>	<u>Source Test (once every 12 months)</u>

H. Monitoring Approach:

The key elements of the monitoring approach are presented in the table below:

<u>Indicator</u>	<u>Opacity</u>
<u>Measurement Approach</u>	<u>Opacity will be measured with COMS in the control device exhaust.</u>
<u>Indicator Range</u>	<u>An excursion is defined as a 1-hour block average of opacity is greater than 10% measured by COMS and recorded by the continuous emission monitoring data acquisition system.</u>
<u>QIP Threshold</u>	<u>None selected.</u>
<u>Performance Criteria</u>	<u>-</u>
<u>Data Representativeness</u>	<u>The COMS was installed at representative location in the control device per 40 CFR 60, Appendix B-PS-1</u>
<u>Verification of Operational Status</u>	<u>Opacity is recorded continuously (every 10 seconds).</u>
<u>QA/QC Practices and Criteria</u>	<u>Zero and span drift are checked daily and filter audits are performed quarterly.</u>

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<u>Monitoring Frequency</u>	<u>Opacity is recorded continuously (every 10 seconds).</u>
<u>Data Collection Procedure</u>	<u>The continuous emission monitoring data acquisition system retains all 3-minute and hourly average opacity data</u>
<u>Averaging Period</u>	<u>The 10-second opacity data are used to calculate 3-minute averages. The 3-minute averages are used to calculate the hourly block average opacity.</u>

III. Justification for Monitoring Approach:

A. Rationale for Selection of Performance Indicators:

The stack exhaust gas opacity was selected as a performance indicator because an increase in opacity indicates an increase in PM emissions. Once the excursion indicator is reached, the facility will analyze data collected for evidence of opacity spiking as well as other indicators such as the ESP operation and Boiler operation.

Because the ESP is the control device used to meet the opacity limit as well as the PM limit, its proper operation is essential to having compliant particulate matter emissions. ESP operating parameters such as number of TR sets in service, primary amps, primary voltage, secondary amps, secondary voltage, sparks/minute, firing angle and kilowatts are recorded continuously to ensure proper operation of the ESP. If an excursion indicator is identified, information as described above will be reviewed so proper ESP operation can be ascertained.

Proper Boiler operation is also essential to meet particulate matter emissions. Boiler parameters such as type of coal, boiler load, bowl mill capacity, soot blow, and air to fuel ratio among others will be reviewed to ensure proper operation of the Boiler.

B. Rationale for Selection of Indicator Ranges:

The COMS continuous monitors opacity from the control device exhaust (records a reading every 10 seconds). The opacity range for the COMS is zero to 100%. During normal operation, the stack exhaust opacity of the control device is less than 7%. The COMS sets off an alarm at a specified level. An excursion of the is defined as an hourly average that exceeds 10% opacity. The monitoring system must be calibrated to alarm when an excursion occurs which will trigger the need for corrective action steps which include immediate investigation, appropriate maintenance, replacing components, performing required reporting and recordkeeping actions, and returning the unit to normal operation as expeditiously as possible in accordance with good air pollution control practices for minimizing emissions. If at any time during the corrective action process, the stack opacity reads exceeds the 20% opacity [sic] limit the operator will immediately shut down the boilers. A monthly breakdown report and Boiler quarterly emission report, which are required to be submitted by permit condition, will include the excursion start and stop time, duration, the cause of excursion from the CAM opacity range, and the corrective

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~~actions taken to restore indicator to acceptable levels, if any. In accordance with 40 CFR 64.8 (a), the QIP threshold is an accumulation of exceedances or excursions exceeding 5 percent duration of the Boiler operating time outside the CAM opacity range. If the QIP threshold is exceeded in a semi-annual reporting period, a QIP will be developed and implemented.~~

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PM Control from Boilers 25 & 26

Revised July 2023

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I. Background:

A. Emissions Units Subject:

<u>Process Permit</u>	<u>Description of Process</u>	<u>Pollutant subject to Limitation or Standard [40 CFR 64.2(a)(1)]</u>	<u>Regulatory Authority for Limitation</u>	<u>Control Permit</u>
<u>B000555</u>	<u>Argus Boiler, Fossil Fuel Fired (No.25)</u>	<u>PM/PM10</u>	<u>District Rule 476</u>	<u>C000557</u>
<u>B000554</u>	<u>Argus Boiler, Fossil Fuel Fired (No.26)</u>	<u>PM/PM10</u>	<u>District Rule 476</u>	<u>C000559</u>

B. Control Technology, Applicable Regulation, Emission Limit, and Monitoring Requirements:

<u>Control Technology (Permit & Type)</u>	<u>Applicable Regulation & Emission Limit</u>	<u>Monitoring Requirements from Permit</u>
<u>C000557 - ESP</u>	<u>0.01 gr/dscf of PM (District Rule 476)</u> <u>90.0 lbs/hr of PM10 (District Rule 1303)</u>	<u>Source Test (once every 12 months)</u>
<u>C000559 - ESP</u>	<u>0.01 gr/dscf of PM (District Rule 476)</u> <u>90.0 lbs/hr of PM10 (District Rule 1303)</u>	<u>Source Test (once every 12 months)</u>

II. Monitoring Approach:

All units listed in Section I have the same monitoring approach. The key elements of the monitoring approach are presented in the table below.

<u>Indicator</u>	<u>Opacity</u>
<u>Measurement Approach</u>	<u>Opacity will be measured with COMS in the control device exhaust.</u>
<u>Indicator Range</u>	<u>An excursion is defined as a 1-hour block average of opacity is greater than 10% measured by COMS and recorded by the continuous emission monitoring data acquisition system.</u>

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<u>QIP Threshold</u>	<u>Accumulation of exceedances or excursions exceeding 5% duration of boiler operating time in a semiannual reporting period.</u>
<u>Performance Criteria</u>	-
<u>Data Representativeness</u>	<u>The COMS was installed at representative location in the control device per 40 CFR 60, Appendix B PS-1</u>
<u>Verification of Operational Status</u>	<u>Opacity is recorded continuously (every 10 seconds).</u>
<u>QA/QC Practices and Criteria</u>	<u>Zero and span drift are checked daily and filter audits are performed quarterly.</u>
<u>Monitoring Frequency</u>	<u>Opacity is recorded continuously (every 10 seconds).</u>
<u>Data Collection Procedure</u>	<u>The continuous emission monitoring data acquisition system retains all 3-minute and hourly average opacity data</u>
<u>Averaging Period</u>	<u>The 10-second opacity data are used to calculate 3-minute averages. The 3-minute averages are used to calculate the hourly block average opacity.</u>

III. Justification for Monitoring Approach:

A. Rationale for Selection of Performance Indicators:

The stack exhaust gas opacity was selected as a performance indicator because an increase in opacity indicates an increase in PM emissions. Once the excursion indicator is reached, the facility will analyze data collected for evidence of opacity spiking as well as other indicators such as the ESP operation and Boiler operation.

Because the ESP is the control device used to meet the opacity limit as well as the PM limit, its proper operation is essential to having compliant particulate matter emissions. ESP operating parameters such as number of TR sets in service, primary amps, primary voltage, secondary amps, secondary voltage, sparks/minute, firing angle and kilowatts are recorded continuously to ensure proper operation of the ESP. If an excursion indicator is identified, information as described above will be reviewed so proper ESP operation can be ascertained.

Proper Boiler operation is also essential to meet particulate matter emissions. Boiler parameters such as type of coal, boiler load, bowl mill capacity, soot blow, and air to fuel ratio among others will be reviewed to ensure proper operation of the Boiler.

B. Rationale for Selection of Indicator Ranges:

The COMS continuous monitors opacity from the control device exhaust (records a reading every 10-seconds). For the COMS, the indicator range is 0-10%. During normal

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operation the COMS reading is below 7%. During PM emissions testing, when PM emissions are below the PM limit of 0.01 gr/DSCF, the opacity is between 1% and 7%. There is no PM source test data available where PM levels are at or above the PM limit.

An excursion of the PM10 and/or opacity limit is defined as a COMS hourly average opacity that exceeds 10%, and the COMS sets off an alarm at that level. When an excursion occurs, this triggers an inspection, corrective action and reporting requirement.

In accordance with 40 CFR 64.8 (a), the Quality Improvement Plan (QIP) threshold is an accumulation of exceedances over 10% opacity exceeding 5 percent duration of the Boiler operating time outside the CAM opacity range (approximately 219 hours over a semiannual period). If the QIP threshold is exceeded in a semi-annual reporting period, a QIP will be developed and implemented.

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~~COMPLIANCE ASSURANCE MONITORING
PLAN
(CAM Plan)~~

~~For~~

~~Boiler 25~~

~~SEARLES VALLEY MINERALS~~

~~MAY 2016~~

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~~Compliance Assurance Monitoring Plan (CAM Plan)~~
~~Searles Valley Minerals~~

~~I. Emission Unit~~

~~Description: Pulverized Coal Fired Boiler~~

~~Identification: Boiler # 25~~

~~Facility: Searles Valley Minerals~~
~~13200 Main Street~~
~~Trona, California~~

~~II. Applicable Regulations, Limits, and Monitoring Requirements~~

~~Regulations: MDAQMD Rule 476 Steam Generating Unit~~

~~Permit Number: B000555~~

~~Emission Limits: Particulate Matter Grain Loading Requirement of 0.01 gr/scf~~

~~Monitoring Requirements: Annual Compliance Test~~

~~Control Technology: Electrostatic Precipitators (ESP), 4 fields~~

~~III. Monitoring Approach~~

~~A. Background~~

~~Boiler # 25 is subject to the Compliance Assurance Monitoring (CAM) requirements for Particulate Matter (PM) because the potential pre-control device emissions are greater than the major source threshold for PM (100 tons per year) and there is no continuous monitor for the PM emissions. Boiler # 25 is classified as an “other pollutant specific emission unit” because its post control emissions are less than major source threshold.~~

~~The opacity in the ESP exhaust is measured continuously by Continuous Opacity Monitoring System (COMS) and demonstrates a reasonable indication of PM compliance as explained by the document “U.S. EPA document CAM protocol for an ESP controlling particulate matter”.~~

~~Boiler # 25 is a pulverized tangentially fired unit with a maximum firing rate of 1025 MMBtu/hr.~~

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Upon leaving the boiler, the exhaust gases pass through an economizer, an air heater, an ESP, an ID fan and a wet scrubber before exiting the stack.

The key elements of the monitoring approach, including the indicator to be monitored, indicator range, and performance criteria are presented in Table 1. The CAM performance indicator is the opacity of the ESP exhaust.

Table 1
Monitoring Approach Data

Description	Indicator
A. Indicator	Opacity in ESP exhaust
— Measurement Approach	COMS in ESP exhaust
B. Indicator Range	The opacity indicator range is when 1-hour block average opacity greater than 20 % as measured by COMS and recorded by the CEMDAS (Continuous Emission Monitoring Data Acquisition System).
— Data Representativeness	The COMS was installed at a representative location in the ESP exhaust per 40 CFR 60, Appendix B, PS-1
Verification of Operational Status	Opacity is recorded continuously
QA/QC Practices and Criteria	Zero and Span drift are checked daily and a quarterly filter audit is performed.
— Monitoring Frequency	The opacity of the ESP exhaust is monitored continuously (every 10 seconds)
— Data Collection Procedure	The CEMDAS retains all 3-minute and hourly average opacity data
— Averaging Period	The 10-second opacity data are used to calculate 3-minute averages. The 3-minute averages are used to calculate the hourly block average opacity

IV.— Justification for Monitoring Approach

Rationale for Selection of Performance Indicators

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~~The stack exhaust gas opacity was selected as a performance indicator because an increase in opacity indicates increase in PM emissions. Once the excursion indicator is reached, the facility will analyze data collected for evidence of opacity spiking as well as other indicators such as ESP operation and Boiler operation.~~

~~Because ESP is the control device used to meet the PM emission limit, its proper operation is essential to having compliant particulate matter emissions. ESP operating parameters such as number of TR sets in service, primary amps, primary voltage, secondary amps, secondary voltage, sparks/minute, firing angle and kilowatts are recorded continuously to ensure proper operation of the ESP. If an excursion indicator is identified, information as described above will be reviewed so proper ESP operation can be ascertained.~~

~~Proper Boiler operation is essential to meet particulate matter emissions. Boiler parameters such as type of coal, boiler load, bowl mill capacity, soot blow, and air to fuel ratio among others will be reviewed to ensure proper operation of the Boiler.~~

~~—— Rationale for Selection of Indicator Ranges~~

~~The opacity range is the instrument range (0 to 100%). During normal operation, the stack exhaust opacity readings are typically less than 7%. An excursion of the CAM range will occur when one hour block averages exceed 20%. One hour block average is preemptive than using 3 hour average required determining compliance with EPA Method 5 particulate compliance test.~~

~~V. Recordkeeping and Reporting~~

~~—— A monthly breakdown report and Boiler quarterly emission report will include the excursion start and stop time, duration, the cause of excursion from the CAM opacity range, —— and the corrective actions taken to restore indicator to acceptable levels.~~

~~VI. QIP (Quality Improvement Plan) Threshold~~

~~—— In accordance to 40 CFR § 64.8 (a), the QIP threshold is an accumulation of exceedances or —— excursions exceeding 5 percent duration of the Boiler operating time outside the CAM —— opacity range. If the QIP threshold is exceeded in a Boiler quarterly reporting period, a QIP will be developed and implemented.~~

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Compliance Assurance Monitoring Plan

Searles Valley Minerals

~~**Compliance Assurance Monitoring Plan (CAM Plan)**~~
~~**Searles Valley Minerals**~~

~~**I. Emission Unit**~~

~~Description: Pulverized Coal Fired Boiler~~

~~Identification: Boiler # 26~~

~~Facility: Searles Valley Minerals~~
~~13200 Main Street~~
~~Trona, California~~

~~**II. Applicable Regulations, Limits, and Monitoring Requirements**~~

~~Regulations: MDAQMD Rule 476 Steam Generating Unit~~

~~Permit Number: B000554~~

~~Emission Limits: Particulate Matter Grain Loading Requirement of 0.01 gr/scf~~

~~Monitoring Requirements: Annual Compliance Test~~

~~Control Technology: Electrostatic Precipitators (ESP), 4 fields~~

~~**III. Monitoring Approach**~~

~~**A. Background**~~

~~Boiler # 26 is subject to the Compliance Assurance Monitoring (CAM) requirements for Particulate Matter (PM) because the potential pre-control device emissions are greater than the major source threshold for PM (100 tons per year) and there is no continuous monitor for the PM emissions. Boiler # 26 is classified as an “other pollutant specific emission unit” because its post control emissions are less than major source threshold.~~

~~The opacity in the ESP exhaust is measured continuously by Continuous Opacity Monitoring System (COMS) and demonstrates a reasonable indication of PM compliance as explained by the document “U.S. EPA document CAM protocol for an ESP controlling particulate matter”.~~

~~Boiler # 26 is a pulverized tangentially fired unit with a maximum firing rate of 1025 MMBtu/hr.~~

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Upon leaving the boiler, the exhaust gases pass through an economizer, an air heater, an ESP, an ID fan and a wet scrubber before exiting the stack.

The key elements of the monitoring approach, including the indicator to be monitored, indicator range, and performance criteria are presented in Table 1. The CAM performance indicator is the opacity of the ESP exhaust.

Table 1
Monitoring Approach Data

Description	Indicator
A. Indicator	Opacity in ESP exhaust
— Measurement Approach	COMS in ESP exhaust
B. Indicator Range	The opacity indicator range is when 1-hour block average opacity greater than 20 % as measured by COMS and recorded by the CEMDAS (Continuous Emission Monitoring Data Acquisition System).
— Data Representativeness	The COMS was installed at a representative location in the ESP exhaust per 40 CFR 60, Appendix B, PS-1
Verification of Operational Status	Opacity is recorded continuously
QA/QC Practices and Criteria	Zero and Span drift are checked daily and a quarterly filter audit is performed.
— Monitoring Frequency	The opacity of the ESP exhaust is monitored continuously (every 10 seconds)
— Data Collection Procedure	The CEMDAS retains all 3-minute and hourly average opacity data
— Averaging Period	The 10-second opacity data are used to calculate 3-minute averages. The 3-minute averages are used to calculate the hourly block average opacity

IV.— Justification for Monitoring Approach

Rationale for Selection of Performance Indicators

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~~The stack exhaust gas opacity was selected as a performance indicator because an increase in opacity indicates increase in PM emissions. Once the excursion indicator is reached, the facility will analyze data collected for evidence of opacity spiking as well as other indicators such as ESP operation and Boiler operation.~~

~~Because ESP is the control device used to meet the PM emission limit, its proper operation is essential to having compliant particulate matter emissions. ESP operating parameters such as number of TR sets in service, primary amps, primary voltage, secondary amps, secondary voltage, sparks/minute, firing angle and kilowatts are recorded continuously to ensure proper operation of the ESP. If an excursion indicator is identified, information as described above will be reviewed so proper ESP operation can be ascertained.~~

~~Proper Boiler operation is essential to meet particulate matter emissions. Boiler parameters such as type of coal, boiler load, bowl mill capacity, soot blow, and air to fuel ratio among others will be reviewed to ensure proper operation of the Boiler.~~

~~—— Rationale for Selection of Indicator Ranges~~

~~The opacity range is the instrument range (0 to 100%). During normal operation, the stack exhaust opacity readings are typically less than 7%. An excursion of the CAM range will occur when one hour block averages exceed 20%. One hour block average is preemptive than using 3 hour average required determining compliance with EPA Method 5 particulate compliance test.~~

~~V. Recordkeeping and Reporting~~

~~—— A monthly breakdown report and Boiler quarterly emission report will include the excursion start and stop time, duration, the cause of excursion from the CAM opacity range, —— and the corrective actions taken to restore indicator to acceptable levels.~~

~~VI. QIP (Quality Improvement Plan) Threshold~~

~~—— In accordance to 40 CFR § 64.8 (a), the QIP threshold is an accumulation of exceedances or —— excursions exceeding 5 percent duration of the Boiler operating time outside the CAM —— opacity range. If the QIP threshold is exceeded in a Boiler quarterly reporting period, a QIP will be developed and implemented.~~

APPENDIX CE
MDAQMD SIP TABLE
(UPDATED 6/7/23)

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<u>Agency</u>	<u>Rule #</u>	<u>Rule Title</u>	<u>Area</u>	<u>Rule Book Version</u>	<u>SIP Version</u>	<u>CFR</u>	<u>FR Date</u>	<u>FR Cite</u>
<u>Old SB</u>	<u>2</u>	<u>Definitions</u>	<u>SBC</u>	<u>MD 102</u>	<u>Bef 02/72</u>	<u>40 CFR 52.2236(e)(4)(i)(A)</u>	<u>12/21/1978</u>	<u>43 FR 59489</u>
<u>Old SB</u>	<u>5 (a)</u>	<u>Public Availability of Emissions Data</u>	<u>SBC</u>	<u>None</u>	<u>Bef 02/73</u>	<u>40 CFR 52.220(c)(21)(xv)(A)</u>	<u>6/14/1978</u>	<u>43 FR 25684</u>
<u>RC</u>	<u>51</u>	<u>Nuisance</u>	<u>RC</u>	<u>MD 402, 07/25/1977 via Res. 94-03</u>	<u>Bef 02/72</u>	<u>40 CFR 52.220(c)(?)</u>	<u>5/31/1977</u>	<u>-</u>
<u>RC</u>	<u>52</u>	<u>Particulate Matter - Concentration</u>	<u>RC</u>	<u>MD 405, 07/25/1977 via Res. 94-03</u>	<u>Bef 06/72</u>	<u>40 CFR 52.228(b)(1)(iii)(A)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>Old SB</u>	<u>52A</u>	<u>Particulate Matter - Concentration</u>	<u>SBC</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220.(c)(1-2)</u>	<u>9/22/1972</u>	<u>34 FR 19812</u>
<u>Old SB</u>	<u>53A</u>	<u>Specific Air Contaminants</u>	<u>SBC</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>RC</u>	<u>53</u>	<u>Specific Air Contaminants</u>	<u>RC</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220(c)(39)(iv)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>Old SB</u>	<u>53.2</u>	<u>Sulfur Recovery Units</u>	<u>SBC</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220.(c)(1-2)</u>	<u>9/22/1972</u>	<u>34 FR 19812</u>
<u>Old SB</u>	<u>53.3</u>	<u>Sulfuric Acid Units</u>	<u>SBC</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220.(c)(1-2)</u>	<u>9/22/1972</u>	<u>34 FR 19812</u>
<u>RC</u>	<u>54</u>	<u>Solid Particulate Matter, Weight</u>	<u>RC</u>	<u>MD 405, 07/25/1977 via Res. 94-03</u>	<u>Bef 06/72</u>	<u>40 CFR 52.228(b)(1)(iii)(A)</u>	<u>9/8/1978</u>	<u>43 FR 4011</u>
<u>Old SB</u>	<u>54A</u>	<u>Solid Particulate Matter, Weight</u>	<u>SBC</u>	<u>MD 405, 07/25/1977</u>	<u>Unknown</u>	<u>40 CFR 52.240(a)(1)&(d)(1)(i)</u>	<u>1/16/1981</u>	<u>46 FR 3883</u>
<u>RC</u>	<u>56</u>	<u>Scavenger Plants</u>	<u>RC</u>	<u>None</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(iv)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>RC</u>	<u>58</u>	<u>Disposal of Solid and Liquid Wastes</u>	<u>RC</u>	<u>MD 473, 7/25/77 via Reso 04-03</u>	<u>Bef 06/72</u>	<u>40 CFR 52.228(b)(1)(iii)(A)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>Old SB</u>	<u>58 A</u>	<u>Disposal of Solid and Liquid Wastes</u>	<u>SBC</u>	<u>MD 473, 07/25/77</u>	<u>Bef 02/72</u>	<u>40 CFR 52.240(a)(1) & (d)(1)(i)</u>	<u>1/16/1981</u>	<u>46 FR 3883</u>
<u>Old SB</u>	<u>62.1</u>	<u>Sulfur Content of Natural Gas</u>	<u>SBC</u>	<u>None but See MD 431</u>	<u>Bef 02/72</u>	<u>40 CFR 52.240(a)(1) & (d)(1)(i)</u>	<u>1/16/1981</u>	<u>46 FR 3883</u>

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<u>Old SB</u>	<u>67</u>	<u>Fuel Burning Equipment</u>	<u>N/A</u>	<u>None but See MD 474 and 476</u>	<u>Bef 02/72</u>	<u>40 CFR 52.280(b)(1)(ii)(C)</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>RC</u>	<u>67</u>	<u>Fuel Burning Equipment</u>	<u>RC</u>	<u>None but See MD 474 and 476</u>	<u>Bef 11/79</u>	<u>40 CFR 52.280(c)(1)(i)</u>	<u>5/18/1981</u>	<u>46 FR 27116</u>
<u>Old SB</u>	<u>69</u>	<u>Vacuum Producing Devices or Systems</u>	<u>SBC</u>	<u>Fed Neg Dec. 12/21/1994</u>	<u>Bef 02/72</u>	<u>40 CFR 52.240(a)(1) & (d)(1)(i)</u>	<u>1/16/1981</u>	<u>46 FR3886</u>
<u>Old SB</u>	<u>70</u>	<u>Asphalt Air Blowing</u>	<u>SBC</u>	<u>Fed Neg Dec. 10/26/1994</u>	<u>Bef 02/72</u>	<u>40 CFR 52.240(a)(1) & (d)(1)(i)</u>	<u>1/16/1981</u>	<u>46 FR 3886</u>
<u>RC</u>	<u>72</u>	<u>Fuel Burning Equipment</u>	<u>RC</u>	<u>MD 474, 01/22/1996; MD 475 03/16/1981; and MD 476 01/22/1996 via Res. 94-03</u>	<u>Bef 11/79</u>	<u>40 CFR 52.280(c)(1)(i)</u>	<u>5/18/1981</u>	<u>46 FR 27116</u>
<u>RC</u>	<u>73</u>	<u>Lead Content and Volatility of Gasoline</u>	<u>RC</u>	<u>None</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(iv)(C)</u>	<u>9/8/1978</u>	<u>43 FR 4001</u>
<u>Old SB</u>	<u>73</u>	<u>Dry Sandblasting</u>	<u>SBC</u>	<u>None</u>	<u>Bef 02/72</u>	<u>40 CFR 52.220(C)(27)(v)</u>	<u>6/14/1978</u>	<u>43 FR 25684</u>
<u>RC</u>	<u>74</u>	<u>Vacuum Producing Devices or Systems</u>	<u>RC</u>	<u>Fed Neg Dec 12/21/1994</u>	<u>Bef 06/72</u>	<u>40 CFR 52.269(b)(3)(ii)(A)</u>	<u>-</u>	<u>-</u>
<u>SC</u>	<u>101</u>	<u>Title</u>	<u>RC</u>	<u>7/1/1993 via Res. 94-03</u>	<u>Bef 11/77</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>101</u>	<u>Title</u>	<u>SBC</u>	<u>7/1/1993</u>	<u>12/19/1998</u>	<u>40 CFR 52.220(c)(179)(i)(B)</u>	<u>11/27/1990</u>	<u>55 FR 49281</u>
<u>MD</u>	<u>102</u>	<u>Definition of Terms</u>	<u>MD</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220(c)(520)(i)(A)(1)</u>	<u>7/2/2019</u>	<u>84 FR 31682</u>
<u>MD</u>	<u>102</u>	<u>Definition of Terms</u>	<u>MD</u>	<u>9/28/2020</u>	<u>(SIP Sub)</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>103</u>	<u>Definition of District Boundaries</u>	<u>MD</u>	<u>6/28/1995</u>	<u>Current</u>	<u>40 CFR 52.220(c)(224)(i)(C)(2)</u>	<u>6/3/1999</u>	<u>64 FR 29790</u>
<u>SB</u>	<u>103</u>	<u>Definition of Terms (Unknown rule - no record except in FR reference)</u>	<u>SBC</u>	<u>None</u>	<u>Bef 11/77</u>	<u>40 CFR 52.236(e)(3)(i)</u>	<u>1/16/1981</u>	<u>46 FR 3883</u>
<u>SC</u>	<u>104</u>	<u>Reporting of Source Data Analysis</u>	<u>RC</u>	<u>-</u>	<u>-</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>104</u>	<u>Reporting of Source Data Analysis</u>	<u>SB</u>	<u>12/19/1988</u>	<u>Current</u>	<u>40 CFR 52.220(c)(179)(i)(B)(i)</u>	<u>-</u>	<u>-</u>

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<u>SC</u>	<u>106</u>	<u>Increments of Progress</u>	<u>RC</u>	-	-	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>106</u>	<u>Increments of Progress</u>	<u>SB</u>	<u>12/19/1988</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(179)(i)(B)(i)</u>	<u>11/27/1990</u>	<u>55 FR 49281</u>
<u>MD</u>	<u>107</u>	<u>Certification and Emissions</u> <u>Statements</u>	<u>MD</u>	<u>9/14/1992</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(190)(i)(F)(1)</u>	<u>5/26/2004</u>	<u>69 FR 29880</u>
<u>SC</u>	<u>107</u>	<u>Determination of Volatile</u> <u>Organic Compounds in</u> <u>Coating Material</u>	<u>RC</u>	-	<u>Bef 3/1/82</u>	<u>40 CFR</u> <u>52.220(c)(121)(c)(v)(B)</u>	<u>10/11/1983</u>	<u>48 FR 46046</u>
<u>SC</u>	<u>108</u>	<u>Alternate Emission Control</u> <u>Plans</u>	<u>RC</u>	<u>None</u>	<u>4/6/1990</u>	<u>40 CFR</u> <u>52.220(c)(182)(i)(A)(3)</u>	<u>8/30/1993</u>	<u>58 FR 45445</u>
<u>SC</u>	<u>109</u>	<u>Record keeping for Volatile</u> <u>Organic Compound</u> <u>Emissions</u>	<u>RC</u>	<u>None</u>	<u>Bef 09/92</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(6)</u>	<u>4/13/1995</u>	<u>60 FR 18751</u>
<u>SB</u>	<u>201</u>	<u>Permit to Construct</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>201</u>	<u>Permit to Construct</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>202</u>	<u>Temporary Permit to</u> <u>Operate</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>202</u>	<u>Temporary Permit to</u> <u>Operate</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>203</u>	<u>Permit to Operate</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>203</u>	<u>Permit to Operate</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>204</u>	<u>Permit Conditions</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>204</u>	<u>Permit Conditions</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>205</u>	<u>Cancellation of Application</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>205</u>	<u>Cancellation of Application</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>206</u>	<u>Posting of Permit to</u> <u>Operate</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>206</u>	<u>Posting of Permit to</u> <u>Operate</u>	<u>RC</u>	<u>7/25/1977 via</u> <u>Res.94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>207</u>	<u>Altering or Falsifying of</u> <u>Permit</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>207</u>	<u>Altering or Falsifying of</u>	<u>RC</u>	<u>7/25/1977 via</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>

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		<u>Permit</u>		<u>Res. 94-03</u>				
<u>SB</u>	<u>208</u>	<u>Permit for Open Burning</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>208</u>	<u>Permit for Open Burning</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>209</u>	<u>Transfer and Voiding of Permit</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>209</u>	<u>Transfer and Voiding of Permit</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>212</u>	<u>Standards for Approving Permits</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>212</u>	<u>Standards for Approving Permits</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>5/1/1987</u>	<u>40 CFR 52.220(c)(173)(i)(A)(1)</u>	<u>2/3/1989</u>	<u>54 FR 5448</u>
<u>SB</u>	<u>212</u>	<u>Standards for Approving Permits</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SB</u>	<u>217</u>	<u>Provision for Sampling and Testing Facilities</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>217</u>	<u>Provision for Sampling and Testing Facilities</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SO</u>	<u>218</u>	<u>Stack Monitoring</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>218</u>	<u>Stack Monitoring</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>Bef 10/81</u>	<u>40 CFR 52.220(c)(103)(xviii)(A)</u>	<u>7/6/1982</u>	<u>47 FR 29231</u>
<u>SB</u>	<u>219</u>	<u>Equipment Not Requiring a Written Permit</u>	<u>SBC</u>	<u>1/28/2019</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>11/9/1978</u>	<u>43 FR 52237</u>
<u>SC</u>	<u>219</u>	<u>Equipment Not Requiring a Written Permit Pursuant to Regulation II</u>	<u>RC</u>	<u>1/28/2019</u>	<u>9/4/1981</u>	<u>40 CFR 52.220(c)(103)(xviii)(A)</u>	<u>7/6/1982</u>	<u>47 FR 29231</u>
<u>MD</u>	<u>219</u>	<u>Equipment Not Requiring a Written Permit</u>	<u>MD</u>	<u>1/25/2021</u>	<u>(SIP Sub)</u>	<u>-</u>	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>SC</u>	<u>220</u>	<u>Exemption, Net Increase in Emissions</u>	<u>RC</u>	<u>11/25/1991 via Res. 94-03</u>	<u>8/7/1981</u>	<u>40 CFR 52.220(c)(103)(xviii)(A)</u>	<u>7/6/1982</u>	<u>47 FR 29231</u>
<u>SC</u>	<u>221</u>	<u>Plans</u>	<u>RC</u>	<u>None</u>	<u>1/4/1985</u>	<u>40 CFR 52.220(c)(165)(i)(B)(1)</u>	<u>4/17/1987</u>	<u>52 FR 12522</u>
<u>MD</u>	<u>221</u>	<u>Federal Operating Permit Requirement</u>	<u>MD</u>	<u>2/28/2011</u>	<u>2/21/1994</u>	<u>40 CFR 52.220(c)(216)(i)(A)(2)</u>	<u>2/5/1996</u>	<u>61 FR 4217</u>
<u>MD</u>	<u>221</u>	<u>Federal Operating Permit Requirement</u>	<u>MD</u>	<u>2/28/2011</u>	<u>(SIP Sub)</u>	<u>-</u>	<u>-</u>	<u>-</u>

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<u>MD</u>	<u>222</u>	<u>Limitation on Potential to Emit</u>	<u>MD</u>	<u>2/28/2011</u>	<u>7/31/1995</u>	<u>40 CFR 52.220(c)(225)(i)(H)(1)</u>	<u>8/31/2004</u>	<u>69 FR 53005</u>
<u>MD</u>	<u>222</u>	<u>Limitation on Potential to Emit</u>	<u>MD</u>	<u>2/28/2011</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>301.2</u>	<u>Fee Schedules</u>	<u>RC</u>	<u>None</u>	<u>6/3/1983</u>	<u>40 CFR 52.220(c)(137)(vii)(B)</u>	<u>10/19/1984</u>	<u>49 FR 41028</u>
<u>MD</u>	<u>315</u>	<u>Federal Clean Air Act Section 185 Penalty</u>	<u>MD</u>	<u>2/23/2023</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>315.1</u>	<u>Federal Clean Air Act Section 185 Penalty (1997 Standard)</u>	<u>MD</u>	<u>2/28/2011</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>315.2</u>	<u>Federal Clean Air Act Section 185 Penalty (2008 Standard)</u>	<u>MD</u>	<u>2/28/2011</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>401</u>	<u>Visible Emissions</u>	<u>RC</u>	<u>8/26/2019</u>	<u>4/7/1989</u>	<u>40 CFR 52.220(c)(155)(iv)(B)</u>	<u>1/29/1985</u>	<u>50 FR 3906</u>
<u>MD</u>	<u>401</u>	<u>Visible Emissions</u>	<u>MD</u>	<u>8/26/2019</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>403</u>	<u>Fugitive Dust</u>	<u>SBC</u>	-	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>403</u>	<u>Fugitive Dust</u>	<u>RC</u>	-	-	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>403</u>	<u>Fugitive Dust</u>	<u>MD</u>	<u>9/28/2020</u>	-	-	-	-
<u>MD</u>	<u>403.1</u>	<u>Respirable Particulate Matter in SVPA</u>	<u>MD</u>	-	<u>11/25/1996</u>	<u>40 CFR 52.220(c)(224)(i)(C)(2)</u>	<u>8/13/2009</u>	<u>74 FR 40750</u>
<u>SB</u>	<u>404</u>	<u>Particulate Matter, Concentration</u>	<u>SB</u>	<u>7/25/1977</u>	<u>7/25/1977</u>	<u>40 CFR 52.220(c)(42)(xiii)(A)</u>	<u>12/21/1978</u>	<u>43 FR 52482</u>
<u>SC</u>	<u>404</u>	<u>Particulate Matter, Concentration</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>10/5/1979</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SC</u>	<u>404</u>	<u>Particulate Matter, Concentration</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>10/5/1979</u>	<u>40 CFR 52.220(c)(137)(vii)(B)</u>	<u>10/19/1984</u>	<u>49 FR 41028</u>
<u>MD</u>	<u>404</u>	<u>Particulate Matter - Concentration</u>	<u>MD</u>	<u>2/28/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>405</u>	<u>Solid Particulate Matter, Weight</u>	<u>SB</u>	<u>7/25/1997</u>	<u>7/25/1977</u>	<u>40 CFR 52.220(c)(42)(xiii)(A)</u>	<u>12/21/1978</u>	<u>43 FR 59489</u>
<u>SC</u>	<u>405</u>	<u>Solid Particulate Matter, Weight</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>5/7/1976</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>405</u>	<u>Solid Particulate Matter, Weight</u>	<u>MD</u>	<u>2/28/2022</u>	<u>(SIP Sub)</u>	-	-	-

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<u>MD</u>	<u>406</u>	<u>Specific Contaminants</u>	<u>RC</u>	<u>2/20/1979 via Res. 94-03</u>	<u>RC Rule 53</u>	-	-	-
<u>SB</u>	<u>406</u>	<u>Specific Contaminants</u>	<u>SBC</u>	<u>2/20/1979</u>	<u>7/25/1977</u>	<u>40 CFR 52.220(c)(42)(xiii)(A)</u>	<u>12/21/1978</u>	<u>43 FR 59489</u>
<u>MD</u>	<u>406</u>	<u>Specific Contaminants</u>	<u>MD</u>	<u>3/28/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>407</u>	<u>Liquid and Gaseous Air Contaminants</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>407</u>	<u>Liquid and Gaseous Air Contaminants</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>4/2/1982</u>	<u>40 CFR 52.220(c)(124)(iv)(A)</u>	<u>11/10/1982</u>	<u>47 FR 50864</u>
<u>MD</u>	<u>407</u>	<u>Liquid and Gaseous Air Contaminants</u>	<u>MD</u>	<u>3/28/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>408</u>	<u>Circumvention</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>408</u>	<u>Circumvention</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>408</u>	<u>Circumvention</u>	<u>MD</u>	<u>4/25/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>409</u>	<u>Combustion Contaminants</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>409</u>	<u>Combustion Contaminants</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>8/7/1981</u>	<u>40 CFR 52.220(c)(103)(xviii)(A)</u>	<u>7/6/1982</u>	<u>47 FR 29231</u>
<u>MD</u>	<u>409</u>	<u>Combustion Contaminants</u>	<u>MD</u>	<u>4/25/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>431</u>	<u>Sulfur Content of Fuels</u>	<u>SB</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>MD</u>	<u>431</u>	<u>Sulfur Content of Fuels</u>	<u>MD</u>	<u>9/28/2020</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>431.1</u>	<u>Sulfur Content of Gaseous Fuels</u>	<u>RC</u>	<u>See MD 431</u>	<u>5/6/1983</u>	<u>40 CFR 52.220(c)(137)(vii)(B)</u>	<u>10/19/1984</u>	<u>49 FR 41028</u>
<u>SC</u>	<u>431.2</u>	<u>Sulfur Content of Liquid Fuels</u>	<u>RC</u>	<u>See MD 431</u>	<u>Bef 8/80</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SC</u>	<u>431.3</u>	<u>Sulfur Content of fossil Fuels</u>	<u>RC</u>	<u>See MD 431</u>	<u>Bef 8/80</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>432</u>	<u>Gasoline Specifications</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(B)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>432</u>	<u>Gasoline Specifications</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>432</u>	<u>Gasoline Specifications</u>	<u>MD</u>	<u>4/25/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>442</u>	<u>Usage of Solvents</u>	<u>MD</u>	<u>2/27/2006</u>	<u>Current</u>	<u>40 CFR 52.220(c)(347)(i)(C)(1)</u>	<u>9/17/2007</u>	<u>72 FR 52791</u>
<u>SB</u>	<u>443</u>	<u>Labeling of Solvents</u>	<u>SB</u>	-	-	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>

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<u>SC</u>	<u>443</u>	<u>Labeling of Solvents</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>444</u>	<u>Open Fires</u>	<u>MD</u>	<u>9/25/2006</u>	<u>Current</u>	<u>40 CFR 52.220(c)(350)(B)(1)</u>	<u>10/31/2007</u>	<u>72 FR 61525</u>
<u>MD</u>	<u>461</u>	<u>Gasoline Transfer and Dispensing</u>	<u>MD</u>	<u>-</u>	<u>-</u>	<u>40 CFR 52.220(c)(198)(i)(E)(1)</u>	<u>5/3/1995</u>	<u>60 FR 21702</u>
<u>MD</u>	<u>461</u>	<u>Gasoline Transfer and Dispensing</u>	<u>MD</u>	<u>1/22/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(518)(i)(A)(3)</u>	<u>5/1/2020</u>	<u>85 FR 25293</u>
<u>MD</u>	<u>462</u>	<u>Organic Liquid Loading</u>	<u>MD</u>	<u>1/22/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(518)(i)(A)(4)</u>	<u>5/1/2020</u>	<u>85 FR 25293</u>
<u>MD</u>	<u>463</u>	<u>Storage of Organic Liquids</u>	<u>MD</u>	<u>1/22/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(518)(i)(A)(5)</u>	<u>5/1/2020</u>	<u>85 FR 25293</u>
<u>MD</u>	<u>464</u>	<u>Oil Water Separators</u>	<u>MD</u>	<u>6/12/2014</u>	<u>Current</u>	<u>40 CFR 52.220(c)(457)(i)(B)(1)</u>	<u>6/5/2015</u>	<u>80 FR 32026</u>
<u>SC</u>	<u>465</u>	<u>Vacuum Producing Devices or Systems</u>	<u>RC</u>	<u>Rescinded & Fed. Neg. Dec 12/21/1994</u>	<u>Bef 5/91</u>	<u>40 CFR 52.220(c)(184)(i)(B)(2)</u>	<u>8/11/1992</u>	<u>57 FR 35759</u>
<u>MD</u>	<u>465</u>	<u>Vacuum Producing Devices or Systems (Rescinded)</u>	<u>MD</u>	<u>Rescinded & Fed. Neg. Dec 12/21/1994</u>	<u>Not SIP</u>	<u>40 CFR 52.222(a)(1)(iii)</u>	<u>9/11/1995</u>	<u>60 FR 47074</u>
<u>SC</u>	<u>466</u>	<u>Pumps and Compressors</u>	<u>RC</u>	<u>Rescinded & See 1102 10/26/94</u>	<u>Bef 12/83</u>	<u>40 CFR 52.220(c)(166)(i)(A)(1)</u>	<u>1/15/1987</u>	<u>52 FR 1627</u>
<u>MD</u>	<u>466</u>	<u>Pumps and Compressors (Rescinded)</u>	<u>MD</u>	<u>Rescinded & See 1102 10/26/94</u>	<u>Not SIP</u>	<u>40 CFR 52.220(c)(39)(ii)(G)</u>	<u>8/19/1999</u>	<u>64 FR 45175</u>
<u>SC</u>	<u>466.1</u>	<u>Valves and Flanges</u>	<u>RC</u>	<u>None</u>	<u>5/2/1980</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SB</u>	<u>468</u>	<u>Sulfur Recovery Units</u>	<u>SBC</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>468</u>	<u>Sulfur Recovery Units</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>468</u>	<u>Sulfur Recovery Units</u>	<u>MD</u>	<u>8/22/2022</u>	<u>(SIP Sub)</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>SB</u>	<u>469</u>	<u>Sulfuric Acid Units</u>	<u>SB</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>469</u>	<u>Sulfuric Acid Units</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>469</u>	<u>Sulfuric Acid Units</u>	<u>MD</u>	<u>8/22/2022</u>	<u>(SIP Sub)</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>SC</u>	<u>470</u>	<u>Asphalt Air Blowing</u>	<u>RC</u>	<u>N/A</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>

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<u>MD</u>	<u>471</u>	<u>Asphalt Roofing Operations</u>	-	<u>12/21/1994</u>	<u>Current</u>	<u>40 CFR 52.220(c)(210)(i)(C)(2)</u>	<u>2/29/1996</u>	<u>61 FR 7706</u>
<u>SB</u>	<u>472</u>	<u>Reduction of Animal Matter</u>	<u>SBC</u>	<u>7/21/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>SC</u>	<u>472</u>	<u>Reduction of Animal Matter</u>	<u>RC</u>	<u>7/25/1977 via Res. 94-03</u>	<u>G-73</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>472</u>	<u>Reduction of Animal Matter</u>	<u>MD</u>	<u>7/21/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SB</u>	<u>473</u>	<u>Disposal of Liquid and Solid Wastes</u>	<u>SB</u>	<u>7/25/1977</u>	<u>G-73</u>	<u>40 CFR 52.220(c)(39)(ii)(C)</u>	<u>9/8/1978</u>	<u>43 FR 40011</u>
<u>MD</u>	<u>473</u>	<u>Disposal of Liquid and Solid Wastes</u>	<u>MD</u>	<u>TBD</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>474</u>	<u>Fuel Burning Equipment - Oxides of Nitrogen</u>	<u>MD</u>	<u>8/25 1997</u>	<u>Current</u>	<u>40 CFR 52.220(c)(254)(i)(H)(1)</u>	<u>1/11/1999</u>	<u>64 FR 1517</u>
<u>MD</u>	<u>475</u>	<u>Electric Power Generating Equipment</u>	<u>MD</u>	<u>8/25/1997</u>	<u>Current</u>	<u>40 CFR 52.220(c)(254)(i)(H)(1)</u>	<u>1/11/1999</u>	<u>64 FR 1517</u>
<u>MD</u>	<u>476</u>	<u>Steam Generating Equipment</u>	<u>MD</u>	<u>8/25/1997</u>	<u>Current</u>	<u>40 CFR 52.220(c)(254)(i)(H)(1)</u>	<u>1/11/1999</u>	<u>64 FR 1517</u>
<u>SB</u>	<u>480</u>	<u>Natural Gas Fired Control Devices</u>	<u>SBC</u>	<u>2/20/1979</u>	<u>Current</u>	<u>40 CFR 52.220(c)(51)(xii)(A)</u>	<u>1/27/1981</u>	<u>46 FR 8471</u>
<u>MD</u>	<u>480</u>	<u>Natural Gas Fired Control Devices (Rescinded)</u>	<u>MD</u>	<u>9/26/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>481</u>	<u>Spray Coating Operations</u>	<u>RC</u>	<u>1113, 1114, 1115 & 1116</u>	<u>5/5/1978</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SC</u>	<u>501</u>	<u>General</u>	<u>RC</u>	<u>6/10/2019</u>	<u>Bef 8/80</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>MD</u>	<u>701</u>	<u>Emergencies (Consolidation of Reg VII)</u>	<u>MD</u>	<u>9/26/2022</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>900</u>	<u>Standards of Performance for New Stationary Sources</u>	<u>MD</u>	<u>1/24/2022</u>	<u>Delegated</u>	-	-	-
<u>MD</u>	<u>1000</u>	<u>National emissions Standards fro Hazardous Air Pollutants</u>	<u>MD</u>	<u>1/24/2022</u>	<u>Delegated</u>	-	-	-
<u>SC</u>	<u>1101</u>	<u>Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)</u>	<u>RC</u>	<u>None</u>	<u>4/4/1980</u>	<u>FR Text</u>	<u>6/9/1982</u>	<u>47 FR 25013</u>
<u>SC</u>	<u>1102</u>	<u>Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)</u>	<u>RC</u>	<u>None</u>	<u>12/7/1990</u>	<u>40 CFR 52.220(c)(184)(i)(B)(1)</u>	<u>3/24/1992</u>	<u>57 FR 10136</u>

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<u>MD</u>	<u>1102</u>	<u>Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations</u>	<u>MD</u>	<u>10/26/1994</u>	<u>Current</u>	<u>40 CFR 52.220(c)(207)(i)(D)</u>	<u>9/27/1995</u>	<u>60 FR 49772</u>
<u>SC</u>	<u>1102</u>	<u>Perchloroethylene Dry Cleaning Systems</u>	<u>RC</u>	<u>None</u>	<u>12/7/1990</u>	<u>40 CFR 52.220(c)(184)(i)(B)(1)</u>	<u>3/24/1992</u>	<u>57 FR 10136</u>
<u>SC</u>	<u>1103</u>	<u>Pharmaceuticals and Cosmetics Manufacturing Operation</u>	<u>RC</u>	<u>None</u>	<u>4/6/1980</u>	<u>40 CFR 52.220(c)(69)(iii)</u>	<u>7/8/1982</u>	<u>47 FR 29668</u>
<u>MD</u>	<u>1103</u>	<u>Cutback and Emulsified Asphalt</u>	<u>MD</u>	<u>12/21/1994</u>	<u>Current</u>	<u>40 CFR 52.220(c)(207)(i)(C)(1)</u>	<u>2/5/1996</u>	<u>61 FR 4215</u>
<u>SC</u>	<u>1104</u>	<u>Wood Flat Stock Coating Operations (SC Amended 8/2/91)</u>	<u>RC</u>	<u>None</u>	<u>3/1/1991</u>	<u>40 CFR 52.220(c)(186)(i)(C)(1)</u>	<u>6/23/1994</u>	<u>59 FR 32354</u>
<u>MD</u>	<u>1104</u>	<u>Organic Solvent Degreasing Operations</u>	<u>MD</u>	<u>4/23/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(519)(i)(A)(1)</u>	<u>7/2/2019</u>	<u>84 FR 31682</u>
<u>SC</u>	<u>1105</u>	<u>Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)</u>	<u>RC</u>	<u>None</u>	<u>9/8/1984</u>	<u>40 CFR 52.220(c)(159)(v)(C)</u>	<u>7/12/1990</u>	<u>55 FR 28625</u>
<u>MD</u>	<u>1106</u>	<u>Marine & Pleasure Craft Coating Operations</u>	<u>MD</u>	<u>10/24/2016</u>	<u>Current</u>	<u>40 CFR 52.220(c)(498)(i)(B)(1)</u>	<u>2/12/2018</u>	<u>83 FR 5940</u>
<u>SC</u>	<u>1107</u>	<u>Miscellaneous Metal Parts, Products and Coatings Operations.</u>	<u>RC</u>	<u>None</u>	<u>9/6/1991</u>	<u>40 CFR 52.220(c)(193)(i)(A)(1)</u>	<u>12/20/1993</u>	<u>58 FR 66285</u>
<u>SC</u>	<u>1108</u>	<u>Cutback Asphalt</u>	<u>RC</u>	<u>None</u>	<u>2/1/1985</u>	<u>40 CFR 52.220(c)(160)(i)(E)(1)</u>	<u>7/12/1990</u>	<u>55 FR 28624</u>
<u>SC</u>	<u>1108</u>	<u>Emulsified Asphalt</u>	<u>RC</u>	<u>None</u>	<u>Bef 3/84</u>	<u>40 CFR 52.220(c)(153)(vii)(A)</u>	<u>1/24/1985</u>	<u>50 FR 3339</u>
<u>SC</u>	<u>1110</u>	<u>Emissions from Stationary Internal Combustion Engines.</u>	<u>RC</u>	<u>None</u>	<u>Bef 3/82</u>	<u>40 CFR 52.220(c)(121)(i)(C)</u>	<u>5/3/1984</u>	<u>47 FR 18822</u>
<u>SC</u>	<u>1111</u>	<u>NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces</u>	<u>RC</u>	<u>None</u>	<u>Bef 10/83</u>	<u>40 CFR 52.220(c)(148)(vi)(A)</u>	<u>5/3/1984</u>	<u>49 FR 18830</u>
<u>SC</u>	<u>1112</u>	<u>Emissions of Oxides of Nitrogen from Cement Kilns</u>	<u>RC</u>	<u>None</u>	<u>1/6/1984</u>	<u>40 CFR 52.220(c)(154)(vii)(B)</u>	<u>1/7/1986</u>	<u>51 FR 600</u>
<u>SC</u>	<u>1113</u>	<u>Architectural Coatings</u>	<u>RC</u>	<u>-</u>	<u>Bef 7/84</u>	<u>40 CFR 52.220(c)(155)(iv)(A)</u>	<u>1/24/1985</u>	<u>50 FR 3339</u>

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<u>MD</u>	<u>1113</u>	<u>Architectural Coatings</u>	<u>MD</u>	<u>4/23/2012</u>	<u>4/23/2012</u>	<u>40 CFR</u> <u>52.220(c)(428)(i)(C)(1)</u>	<u>1/3/2014</u>	<u>79 FR 365</u>
<u>MD</u>	<u>1113</u>	<u>Architectural Coatings</u>	<u>MD</u>	<u>10/26/2020</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>1114</u>	<u>Wood Products Coating Operations</u>	<u>MD</u>	<u>8/24/2020</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(558)(i)(a)(1)</u>	<u>7/28/2021</u>	<u>86 FR 40335</u>
<u>SC</u>	<u>1115</u>	<u>Motor Vehicle Assembly and Component Coating Operations</u>	<u>RC</u>	<u>None</u>	<u>3/6/1992</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(1)</u>	<u>12/20/1993</u>	<u>58 FR 66282</u>
<u>MD</u>	<u>1115</u>	<u>Metal Parts & Products Coating Operations</u>	<u>MD</u>	<u>6/8/2020</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(571)(i)(A)(1)</u>	<u>5/9/2022</u>	<u>87 FR 27526</u>
<u>MD</u>	<u>1116</u>	<u>Automotive Refinishing Operations</u>	<u>MD</u>	<u>8/23/2010</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(388)(i)(F)(1)</u>	<u>8/19/2012</u>	<u>77 FR 47536</u>
<u>SC</u>	<u>1117</u>	<u>Emissions of Oxides of Nitrogen from Glass Melting Furnaces</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>1/6/1984</u>	<u>40 CFR</u> <u>52.220(c)(159)(v)(D)</u>	<u>7/12/1990</u>	<u>55 FR 28624</u>
<u>MD</u>	<u>1117</u>	<u>Graphic Arts</u>	<u>MD</u>	-	-	<u>40 CFR</u> <u>52.220(c)(381)(i)(H)(1)</u>	<u>3/1/2012</u>	<u>77 FR 12495</u>
<u>MD</u>	<u>1117</u>	<u>Graphic Arts</u>	<u>MD</u>	<u>8/24/2020</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>1118</u>	<u>Aerospace Vehicle Parts & Products Coating Operations</u>	<u>MD</u>	-	-	<u>40 CFR</u> <u>52.220(c)(485)(i)(B)(1)</u>	<u>6/21/2017</u>	<u>82 FR 28240</u>
<u>MD</u>	<u>1118</u>	<u>Aerospace Assembly, Rework and Component Manufacturing Operations</u>	<u>MD</u>	<u>6/8/2020</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>1119</u>	<u>Petroleum Coke Calcining Operations Oxides of Sulfur</u>	<u>RC</u>	<u>None</u>	<u>3/2/1979</u>	<u>40 CFR</u> <u>52.220(c)(88)(iii)(A)</u>	<u>9/28/1981</u>	<u>46 FR 47451</u>
<u>SC</u>	<u>1120</u>	<u>Asphalt Pavement Heaters</u>	<u>RC</u>	<u>None</u>	<u>8/4/1978</u>	<u>40 CFR 52.220(c)(65)(ii)</u>	<u>9/28/1981</u>	<u>46 FR 47451</u>
<u>SC</u>	<u>1121</u>	<u>Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters</u>	<u>RC</u>	<u>None</u>	<u>12/1/1978</u>	<u>40 CFR 52.220(c)(67)(i)(B)</u>	<u>9/28/1981</u>	<u>46 FR 47451</u>
<u>SC</u>	<u>1122</u>	<u>Solvent Metal Cleaners (Degreasers)</u>	<u>RC</u>	<u>None</u>	<u>7/8/1983</u>	<u>40 CFR</u> <u>52.220(c)(148)(vi)(B)</u>	<u>10/3/1984</u>	<u>49 FR 39057</u>
<u>SC</u>	<u>1123</u>	<u>Refinery Process Turnaround</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>12/7/1990</u>	<u>40 CFR</u> <u>52.220(c)(184)(i)(B)(2)</u>	<u>8/11/1992</u>	<u>57 FR 35758</u>
<u>SC</u>	<u>1124</u>	<u>Aerospace Assembly and</u>	<u>RC</u>	<u>None</u>	<u>1/6/1984</u>	<u>40 CFR</u>	<u>1/24/1985</u>	<u>50 FR 3339</u>

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		<u>Component Coating Operations</u>				<u>52.220(c)(154)(vii)(A)</u>		
<u>SC</u>	<u>1125</u>	<u>Metal Container, Closure and Coil Coating Operations</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>8/2/1991</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(4)</u>	<u>4/14/1994</u>	<u>59 FR 17898</u>
<u>SC</u>	<u>1126</u>	<u>Magnet Wire Coating Operations</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>3/6/1992</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(2)</u>	<u>12/20/1993</u>	<u>58 FR 66286</u>
<u>MD</u>	<u>1126</u>	<u>Municipal Solid Waste Landfills</u>	<u>MD</u>	<u>8/28/2000</u>	<u>Not SIP</u>	<u>40 CFR 60.23</u>	-	-
<u>SC</u>	<u>1128</u>	<u>Paper, Fabric and Film Coating Operations</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>2/7/1992</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(3)</u>	<u>12/20/1993</u>	<u>58 FR 66287</u>
<u>SC</u>	<u>1130</u>	<u>Graphic Arts</u>	<u>RC</u>	<u>None</u>	<u>Bef 5/1993</u>	<u>40 CFR</u> <u>52.220(c)(193)(i)(A)(2)</u>	<u>4/14/1994</u>	<u>59 FR 17698</u>
<u>SC</u>	<u>1136</u>	<u>Wood Furniture and Cabinet Coatings</u>	<u>RC</u>	<u>None</u>	<u>Bef 5/92</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(4)</u>	<u>4/14/1994</u>	<u>59 FR 17698</u>
<u>SC</u>	<u>1140</u>	<u>Abrasive Blasting</u>	<u>RC</u>	-	<u>2/1/1980</u>	<u>40 CFR 52.220(c)(67)(i)(B)</u>	<u>9/28/1981</u>	<u>46 FR 47451</u>
<u>SC</u>	<u>1141</u>	<u>Control of Volatile Organic Compound Emissions from Resin Manufacturing</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>4/3/1992</u>	<u>40 CFR</u> <u>52.220(c)(189)(i)(A)(3)</u>	<u>12/20/1993</u>	<u>58 FR 66286</u>
<u>SC</u>	<u>1141</u>	<u>Coatings and Ink Manufacturing</u>	<u>RC</u>	<u>None</u>	<u>11/4/1983</u>	<u>40 CFR</u> <u>52.220(c)(153)(vii)(B)</u>	<u>1/24/1985</u>	<u>50 FR 3339</u>
<u>SC</u>	<u>1141</u>	<u>Surfactant Manufacturing</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>7/6/1984</u>	<u>40 CFR</u> <u>52.220(c)(156)(vii)(A)</u>	<u>1/15/1987</u>	<u>52 FR 1627</u>
<u>SC</u>	<u>1142</u>	<u>Marine Tank Vessel Operations</u>	<u>RC</u>	<u>None</u>	-	<u>40 CFR</u> <u>52.220(c)(187)(i)(C)(1)</u>	-	-
<u>SC</u>	<u>1145</u>	<u>Plastic, Rubber and Glass Coatings</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>1/10/1992</u>	<u>40 CFR</u> <u>52.220(c)(191)(i)(A)(1)</u>	<u>12/20/1993</u>	<u>58 FR 66286</u>
<u>SC</u>	<u>1148</u>	<u>Thermally Enhanced Oil Recovery Wells</u>	<u>RC</u>	<u>None</u>	<u>Bef</u> <u>10/1983</u>	<u>40 CFR</u> <u>52.220(c)(148)(vi)(B)</u>	<u>??</u>	<u>??</u>
<u>SC</u>	<u>1151</u>	<u>Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations</u>	<u>RC</u>	<u>None</u>	<u>Bef</u> <u>5/13/1993</u>	<u>40 CFR</u> <u>52.220(c)(193)(i)(A)(1)</u>	<u>12/20/1993</u>	<u>58 FR 66286</u>

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<u>SC</u>	<u>1153</u>	<u>Commercial Bakery Ovens</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>1/4/1991</u>	<u>40 CFR</u> <u>52.220(c)(184)(i)(B)(3)</u>	<u>9/29/1993</u>	<u>58 FR 50850</u>
<u>MD</u>	<u>1157</u>	<u>Boilers and Process Heaters</u>	<u>MD</u>	<u>1/22/2018</u>	<u>5/19/1997</u>	<u>40 CFR 52.220(c)(248)(i)(D)</u>	<u>4/20/1999</u>	<u>64 FR 19277</u>
<u>MD</u>	<u>1157</u>	<u>Boilers and Process Heaters</u>	<u>MD</u>	<u>1/22/2018</u>	<u>(SIP Sub)</u>	-	-	-
<u>SC</u>	<u>1158</u>	<u>Storage, Handling and Transport of Petroleum Coke</u>	<u>RC</u>	<u>None</u>	<u>SC Bef</u> <u>5/93</u>	<u>40 CFR</u> <u>52.220(c)(153)(vii)(B)</u>	<u>1/15/1987</u>	<u>52 FR 1627</u>
<u>MD</u>	<u>1158</u>	<u>Electric Power Generating Facilities</u>	<u>MD</u>	<u>6/26/2017</u>	<u>8/25/1997</u>	<u>40 CFR</u> <u>52.220(c)(254)(i)(H)(2)</u>	<u>7/20/1999</u>	<u>64 FR 38832</u>
<u>MD</u>	<u>1158</u>	<u>Electric Power Generating Facilities</u>	<u>MD</u>	<u>6/26/2017</u>	<u>Withdrawal</u>	-	-	-
<u>SC</u>	<u>1159</u>	<u>Nitric Acid Units - Oxides of Nitrogen</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>12/6/1985</u>	<u>40 CFR</u> <u>52.220(c)(168)(I)(H)</u>	<u>7/12/1990</u>	<u>55 FR 28622</u>
<u>MD</u>	<u>1159</u>	<u>Stationary Gas Turbines</u>	<u>MD</u>	<u>9/28/2009</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(379)(i)(E)(1)</u>	<u>10/25/2012</u>	<u>77 FR 65133</u>
<u>MD</u>	<u>1160</u>	<u>Internal Combustion Engines</u>	<u>MD</u>	-	<u>1/22/2018</u>	<u>40 CFR</u> <u>52.220(c)(518)(i)(A)(7)</u>	<u>9/10/2021</u>	<u>86 FR 50643</u>
<u>MD</u>	<u>1160</u>	<u>Internal Combustion Engines</u>	<u>MD</u>	<u>1/23/2023</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>1161</u>	<u>Portland Cement Kilns</u>	<u>MD</u>	<u>1/22/2018</u>	<u>3/25/2002</u>	<u>40 CFR</u> <u>52.220(c)(300)(i)(A)(1)</u>	<u>2/27/2003</u>	<u>68 FR 9015</u>
<u>MD</u>	<u>1161</u>	<u>Portland Cement Kilns</u>	<u>MD</u>	<u>1/22/2018</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(518)(i)(A)(9)</u>	<u>6/2/2023</u>	<u>88 FR 36249</u>
<u>MD</u>	<u>1162</u>	<u>Polyester Resin Operations</u>	<u>MD</u>	<u>1/22/2018</u>	<u>8/27/2007</u>	<u>40 CFR</u> <u>52.220(c)(354)(i)(B)(1)</u>	<u>11/24/2008</u>	<u>73 FR 70883</u>
<u>MD</u>	<u>1162</u>	<u>Polyester Resin Operations</u>	<u>MD</u>	<u>1/22/2018</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(519)(i)(A)(1)</u>	<u>2/27/2020</u>	<u>85 FR 11812</u>
<u>SC</u>	<u>1164</u>	<u>Semiconductor Manufacturing Operations</u>	<u>RC</u>	<u>None</u>	<u>Bef</u> <u>10/1993</u>	-	<u>10/26/1993</u>	<u>58 FR 48459</u>
<u>MD</u>	<u>1165</u>	<u>Glass Melting Furnaces</u>	<u>MD</u>	<u>8/12/2008</u>	<u>Current</u>	<u>40 CFR</u> <u>52.220(c)(364)(i)(D)(1)</u>	<u>7/2/2012</u>	<u>77FR 39181</u>
<u>MD</u>	<u>1168</u>	<u>Adhesive & Sealant Applications</u>	<u>MD</u>	<u>4/27/2020</u>	<u>(SIP Sub)</u>	-	-	-

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<u>SC</u>	<u>1171</u>	<u>Solvent Cleaning</u>	<u>RC</u>	<u>None</u>	<u>SC</u> <u>8/2/1991</u>	<u>40 CFR</u> <u>52.220(c)(188)(i)(C)(1)</u>	<u>12/20/1993</u>	<u>58 FR66285</u>
<u>SC</u>	<u>1175</u>	<u>Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products</u>	<u>RC</u>	<u>-</u>	<u>1/5/1990</u>	<u>40 CFR</u> <u>52.220(c)(182)(i)(A)(1)</u>	<u>10/26/1992</u>	<u>57 FR 48457</u>
<u>SC</u>	<u>1176</u>	<u>Sumps and Wastewater Separators</u>	<u>RC</u>	<u>1/5/1990</u>	<u>1/5/1990</u>	<u>40 CFR</u> <u>52.220(c)(182)(i)(A)(1)</u>	<u>10/26/1992</u>	<u>57 FR 48459</u>
<u>MD</u>	<u>1200</u>	<u>General (Federal Operating Permit)</u>	<u>MD</u>	<u>2/28/2011</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1201</u>	<u>Definitions (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1202</u>	<u>Applications</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1203</u>	<u>Federal Operating Permits (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1205</u>	<u>Modifications of Federal Operating Permits (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1206</u>	<u>Reopening, Reissuance and Termination of Federal Operating Permits (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1207</u>	<u>Notice and Comment (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1208</u>	<u>Certification (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1209</u>	<u>Appeals (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1210</u>	<u>Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)</u>	<u>MD</u>	<u>9/26/2005</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1211</u>	<u>Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)</u>	<u>MD</u>	<u>2/28/2011</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>1300</u>	<u>General</u>	<u>MD</u>	<u>-</u>	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>

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<u>MD</u>	<u>1300</u>	<u>General</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1301</u>	<u>Definitions</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1301</u>	<u>Definitions</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1302</u>	<u>Procedure</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1302</u>	<u>Procedure</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1303</u>	<u>Requirements</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1303</u>	<u>Requirements</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1304</u>	<u>Emissions Calculations</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1303</u>	<u>Emissions Calculations</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1305</u>	<u>Emissions Offsets</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1305</u>	<u>Emissions Offsets</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1306</u>	<u>Electric Energy Generating Facilities</u>	<u>MD</u>	-	<u>3/25/1996</u>	<u>40 CFR</u> <u>52.220(c)(239)(i)(A)(1)</u>	<u>11/13/1996</u>	<u>61 FR 58133</u>
<u>MD</u>	<u>1306</u>	<u>Electric Energy Generating Facilities</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1310</u>	<u>Federal Major Facilities and Federal Major Modifications</u>	<u>MD</u>	<u>Rescinded</u> <u>3/22/21</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>1400</u>	<u>General (Emission Reduction Credits)</u>	<u>MD</u>	<u>6/28/1995</u>	<u>Current</u>	<u>40 CFR 52.220(c)(224)(i)(C)</u>	<u>1/22/1997</u>	<u>62 FR 3215</u>
<u>MD</u>	<u>1401</u>	<u>Definitions (Emissions Reduction Credits)</u>	<u>MD</u>	<u>6/28/1995</u>	<u>Current</u>	<u>40 CFR 52.220(c)(224)(i)(C)</u>	<u>1/22/1997</u>	<u>62 FR 3215</u>
<u>MD</u>	<u>1402</u>	<u>Emission Reduction Credits Registry</u>	<u>MD</u>	-	<u>6/28/1995</u>	<u>40 CFR 52.220(c)(224)(i)(C)</u>	<u>1/22/1997</u>	<u>62 FR 3215</u>
<u>MD</u>	<u>1402</u>	<u>Emission Reduction Credits Registry</u>	<u>MD</u>	<u>5/19/1997</u>	<u>(SIP Sub)</u>	-	<u>11/25/2022</u>	<u>87 FR 72434</u>
<u>MD</u>	<u>1404</u>	<u>Emission Reduction Credit Calculations</u>	<u>MD</u>	<u>6/28/1995</u>	<u>Current</u>	<u>40 CFR 52.220(c)(224)(i)(C)</u>	<u>1/22/1997</u>	<u>62 FR 3215</u>
<u>MD</u>	<u>1520</u>	<u>Control of Toxic Air Contaminants From Existing Sources</u>	<u>MD</u>	<u>3/25/2019</u>	<u>(SIP Sub)</u>	-	-	-

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<u>MD</u>	<u>1600</u>	<u>Prevention of Significant Deterioration</u>	<u>MD</u>	<u>3/22/2021</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	<u>2001</u>	<u>Transportation Conformity</u>	<u>MD</u>	<u>2/22/1995</u>	<u>??</u>	-	-	-
<u>MD</u>	<u>2002</u>	<u>General Federal Actions Conformity</u>	<u>MD</u>	<u>10/26/1994</u>	<u>Current</u>	<u>40 CFR 52.220(c)(231)(i)(C)(1)</u>	<u>4/23/1999</u>	<u>64 FR 19916</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Asphalt Air Blowing</u>	<u>MD</u>	-	<u>Current</u>	<u>40 CFR 52.222(a)(1)(ii)</u>	<u>9/11/1995</u>	<u>60 FR 47074</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Air Oxidation Process - SOCM</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Chemical Processing & Manufacturing</u>	<u>RC</u>	<u>5/25/1994 via Res. 94-03</u>	<u>Unknown</u>	-	-	-
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Chemical Processing & Manufacturing</u>	<u>SBC</u>	<u>5/25/1994</u>	<u>Current</u>	-	<u>1/31/1995</u>	<u>60 FR 38</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Equipment Leaks from Natural Gas/Gasoline Processing Plants</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Fugitive Emissions From Synthetic Organic chemical Polymer and Resin manufacturing Equipment</u>	<u>MD</u>	<u>8/23/2010</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(vi)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Industrial Wastewater</u>	<u>MD</u>	-	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Large Petroleum Dry Cleaners</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Leaks from Petroleum Refinery Equipment</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins</u>	<u>MD</u>	<u>8/23/2010</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(vi)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Natural Gas/Gasoline Processing</u>	<u>RC</u>	<u>5/25/1994 via Res. 94-03</u>	<u>Unknown</u>	-	-	-

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		<u>Equipment</u>						
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Natural Gas/Gasoline Processing Equipment</u>	<u>SBC</u>	<u>5/25/1994</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(i)</u>	<u>1/31/1995</u>	<u>60 FR 38</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Offset Lithography</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Orchard & Citrus Heaters</u>	<u>MD</u>	<u>6/24/1996</u>	<u>??</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Petroleum Refinery Equipment</u>	<u>MD</u>	<u>8/23/2010</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(vi)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Plastic Parts Coating (Business Machines)</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Plastic Parts Coating (other)</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Pneumatic Rubber Tire Manufacturing</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Polymer Manufacturing SOCM I and Polymer manufacturing Equipment Leaks</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Process Unit Turnarounds</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Reactor Processes and Distillation Operations in SOCM I</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Ship Building</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Surface Coating of Cans</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Surface Coating of Coils</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Surface</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>

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		<u>Coating of Fabrics</u>						
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Surface Coating of Large Appliances</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Surface Coating of Magnet Wire</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed Neg. Dec. - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Synthesized Pharmaceutical Products</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Industry</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Synthetic Organic Chemical Manufacturing Reactors</u>	<u>MD</u>	<u>-</u>	<u>Current</u>	<u>40 CFR 52.222(A)(1)(iv)</u>	<u>11/1/1996</u>	<u>61 FR 56474</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed. Neg. Dec. - Vacuum Producing Devices</u>	<u>MD</u>	<u>1/22/2007</u>	<u>Current</u>	<u>40 CFR 52.222(a)(1)(v)</u>	<u>5/20/2011</u>	<u>76 FR 29153</u>
<u>MD</u>	<u>FND</u>	<u>Fed Neg. Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts</u>	<u>MD</u>	<u>4/23/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(519)(ii)(A)(1) and 52.222(a)(1)(viii)</u>	<u>2/27/2020</u>	<u>85 FR 11812</u>

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<u>MD</u>	<u>FND</u>	<u>Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA-453/R-08-003), Table 6—Motor Vehicle Materials.</u>	<u>MD</u>	<u>10/22/2018</u>	<u>Current</u>	<u>40 CFR 52.220(c)(531)(ii)(A)(1) and 52.222(a)(1)(ix)</u>	<u>2/27/2020</u>	<u>85 FR 11812</u>
<u>MD</u>	<u>Title V</u>	<u>Program - Federal Operation Permits: Title V</u>	<u>MD</u>	<u>-</u>	<u>-</u>	<u>40 CFR 70 Apx. A California (q)(2)</u>	<u>12/17/2001</u>	<u>66 FR 63503</u>
<u>MD</u>	<u>Title V</u>	<u>Program - Federal Operation Permits: Title V</u>	<u>MD</u>	<u>-</u>	<u>Unknown</u>	<u>40 CFR 70 Apx. A California (q)(3)</u>	<u>10/15/2002</u>	<u>67 FR 63551</u>
<u>MD</u>	<u>MAC T</u>	<u>MACT Delegation (Sections A, F, G, H, I, J, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, II, JJ, KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, GGG, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, MMMM, NNNN, OOOO, PPPP, QQQQ, RRRR, SSSS, TTTT, UUUU, VVVV, WWWW, XXXX, YYYY, ZZZZ, AAAAA, BBBB, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, IIII, JJJJ, KKKK, LLLL, MMMM, NNNN, PPPP, QQQQ, RRRR, SSSS, TTTT, WWWW, YYYY, ZZZZ,</u>	<u>MD</u>	<u>Rule 1000 1/24/2022</u>	<u>Current</u>	<u>-</u>	<u>-</u>	<u>-</u>

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		<u>BBBBBB, CCCCC,</u> <u>DDDDDD, EEEEE,</u> <u>FFFFFF, GGGGG,</u> <u>HHHHHH, JJJJJ,</u> <u>LLLLLL, MMMMM,</u> <u>NNNNNN, OOOOO,</u> <u>PPPPPP, QQQQQ,</u> <u>RRRRRR, SSSSS,</u> <u>TTTTTT, VVVVV,</u> <u>WWWWW, XXXXX,</u> <u>YYYYYY, ZZZZZ,</u> <u>AAAAAA, BBBBB,</u> <u>CCCCCC, DDDDD,</u> <u>EEEEEE.</u>						
<u>MD</u>	<u>NES HAP</u>	<u>NESHAPS Delegation (Sections A, C, D, E and M)</u>	<u>SB</u>	<u>Rule 1000 1/24/2022</u>	<u>N/A</u>	-	-	-
<u>MD</u>	<u>NSPS</u>	<u>NSPS Delegation (Sections A, D, Da, Db, Dc, E, Ea, Eb, Ec, F, G, H, I, J, Ja, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, VVa, WW, AAA, BBB, DDD, FFF, GGG, GGGa, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW,</u>	<u>MD</u>	<u>Rule 900 1/24/2022</u>	<u>Current</u>	-	<u>4/30/2013</u>	<u>78 FR 25185</u>

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		<u>AAAA, CCCC, EEEE, IIII, JJJJ, KKKK</u>)						
<u>MD</u>	<u>FND</u>	<u>19 Source Category FNDs (including Oil & Gas)</u>	<u>MD</u>	<u>10/28/2019</u>	<u>(SIP Sub)</u>	-	-	-
<u>MD</u>	-	<u>Federal 70 ppb Ozone Attainment Plan (Western Mojave Desert Attainment Plan)</u>	<u>MD+</u>	<u>1/23/2023</u>	-	-	-	-

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Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
SC	218	Stack Monitoring	EC	7/25/1977 via Res. 94-03	Ref 10/81	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231
SO	218	Stack Monitoring	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
SB	219	Equipment Not Requiring a Written Permit	SBC	1/28/2019	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(B)	11/9/1978	43 FR 52237
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	EC	1/28/2019	9/4/1981	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD	1/25/2021	(SIP Sub)	7/22/2021			
SC	220	Exemption, Net Increase in Emissions	RC	11/25/1991 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231
SC	221	Plans	RC	None	1/4/1985	11/12/1985	40 CFR 52.220(c)(165)(i)(B)(1)	4/17/1987	52 FR 12522
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	2/21/1994	3/31/1995	40 CFR 52.220(c)(216)(i)(A)(2)	2/5/1996	61 FR 4217
MD	221	Federal Operating Permit Requirement	MD	2/28/2011	(SIP Sub)	6/21/2011			
MD	222	Limitation on Potential to Emit	MD	2/28/2011	7/31/1995	10/13/1995	40 CFR 52.220(c)(225)(i)(HX)(1)	8/31/2004	69 FR 53005
MD	222	Limitation on Potential to Emit	MD	2/28/2011	(SIP Sub)	6/21/2011			
SC	301.2	Fee Schedules	RC	None	6/3/1983	7/19/1983	40 CFR 52.220(c)(137)(vi)(B)	10/19/1984	49 FR 41028
MD	315	Federal Clean Air Act Section 185 Penalty	MD	10/24/2011	(SIP Sub)	12/14/2011			
SC	401	Visible Emissions	RC	8/26/2019	4/7/1989		40 CFR 52.220(c)(155)(vi)(B)	1/29/1985	50 FR 3906
MD	401	Visible Emissions	MD	8/26/2019	Sip Sub				
SB	403	Fugitive Dust	SBC		G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(B)	9/8/1978	43 FR 40011
SC	403	Fugitive Dust				8/11/1980	FR Test	6/9/1982	47 FR 25013
MD	403	Fugitive Dust		9/28/2020					
MD	403.1	Respirable Particulate Matter in SVPA			11/25/1996	3/31/1997	40 CFR 52.220(c)(224)(i)(CV)(2)	8/13/2009	74 FR 40750
SC	404	Particulate Matter - Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	404	Particulate Matter - Concentration	RC	7/25/1977 via Res. 94-03	10/5/1979	2/31/1983	40 CFR 52.220(c)(137)(vi)(B)	10/19/1984	49 FR 41028
SB	404	Particulate Matter - Concentration	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(vii)(A)	12/21/1978	43 FR 52489
SC	405	Solid Particulate Matter, Weight	RC	7/25/1977 via Res. 94-03	5/7/1976	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	405	Solid Particulate Matter, Weight	SBC	7/25/1977	Current	11/4/1977	40 CFR 52.220(c)(42)(vii)(A)	12/21/1978	43 FR 52489
SB	406	Specific Contaminants	SBC	2/20/1979	7/25/1977		40 CFR 52.220(c)(42)(vii)(A)	12/21/1978	43 FR 52489
SC	407	Liquid and Gaseous Air Contaminants	RC	7/25/1977 via Res. 94-03	4/2/1982	8/6/1982	40 CFR 52.220(c)(124)(vi)(A)	11/10/1982	47 FR 50864
SB	407	Liquid and Gaseous Air Contaminants	SBC	7/25/1977	G-73		40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
SC	408	Circumvention	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	408	Circumvention	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	RC	7/25/1977 via Res. 94-03	8/7/1981	10/23/1981	40 CFR 52.220(c)(103)(viii)(A)	7/6/1982	47 FR 29231
SB	409	Combustion Contaminants	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
SB	431	Sulfur Content of Fuels	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(B)	9/8/1978	43 FR 40011
MD	431	Sulfur Content of Fuels	MD	9/28/2020	(SIP Sub)	6/10/2021			
SB	431	Sulfur Content of Fuels	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(B)	9/8/1978	43 FR 40011
SC	431.1	Sulfur Content of Gaseous Fuels	RC	See MD 431	5/6/1983	7/19/1983	40 CFR 52.220(c)(137)(vi)(B)	10/19/1984	49 FR 41028
SC	431.2	Sulfur Content of Liquid Fuels	RC	See MD 431	Ref 8/80	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	431.3	Sulfur Content of Gaseous Fuels	RC	See MD 431	Ref 8/80	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	432	Gasoline Specifications	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	432	Gasoline Specifications	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(B)	9/8/1978	43 FR 40011
MD	442	Usage of Solvents	MD	2/27/2006	Current	10/5/2006	40 CFR 52.220(c)(247)(i)(C)(1)	9/17/2007	72 FR 52791
SC	443	Labeling of Solvents	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	443	Labeling of Solvents			6/6/1977		40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
MD	444	Open Fires		9/25/2006	Current	5/8/2007	40 CFR 52.220(c)(350)(B)(1)	10/31/2007	72 FR 61525
MD	461	Gasoline Transfer and Dispensing	MD		7/13/1994		40 CFR 52.220(c)(198)(i)(B)(1)	5/3/1995	60 FR 21702
MD	461	Gasoline Transfer and Dispensing	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(3)	5/1/2020	85 FR 25293
MD	462	Organic Liquid Loading	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(4)	5/1/2020	85 FR 25293
MD	463	Storage of Organic Liquids	MD	1/22/2018	Current	5/18/2018	40 CFR 52.220(c)(518)(i)(A)(5)	5/1/2020	85 FR 25293
MD	464	Oil Water Separators		6/12/2014	Current	11/16/2014	40 CFR 52.220(c)(457)(i)(B)(1)	6/5/2015	80 FR 32026
SC	465	Vacuum Producing Devices or Systems	RC	Rescinded & Fed. Neg. Dec 12/21/1994	Ref 5/91	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/1/1992	57 FR 35759
MD	465	Vacuum Producing Devices or Systems (Rescinded)	MD	Rescinded & Fed. Neg. Dec 12/21/1994	Not SIP	12/29/1994	40 CFR 52.222(a)(1)(iii)	9/1/1995	60 FR 47074
SC	466	Pumps and Compressors	RC	Rescinded & See 1102 10/26/94	Ref 12/83	12/2/1983	40 CFR 52.220(c)(166)(i)(A)(1)	1/15/1987	52 FR 1627
MD	466	Pumps and Compressors (Rescinded)	MD	Rescinded & See 1102 10/26/94	Not SIP	11/30/1994	40 CFR 52.220(c)(39)(vi)(G)	8/19/1999	64 FR 45175
SC	466.1	Valves and Flanges	RC	None	5/2/1980	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	468	Sulfur Recovery Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	468	Sulfur Recovery Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
SC	469	Sulfuric Acid Units	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	469	Sulfuric Acid Units	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
MD	471	Asphalt Roofing Operations		12/21/1994	Current	12/22/1994	40 CFR 52.220(c)(210)(i)(C)(2)	2/29/1996	61 FR 7706
SC	472	Reduction of Animal Matter	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	472	Reduction of Animal Matter	SBC	7/21/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
MD	473	Disposal of Liquid and Solid Wastes	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(vi)(C)	9/8/1978	43 FR 40011
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25/1997	Ref 11/86	11/26/1996	40 CFR 52.220(c)(254)(i)(HX)(1)	1/11/1999	64 FR 1517
MD	474	Fuel Burning Equipment - Oxides of Nitrogen	MD	8/25/1997	??	??	??	??	??
MD	475	Electric Power Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(HX)(1)	1/11/1999	64 FR 1517

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SEARLES VALLEY MINERALS—TRONA, ARGUS and WESTEND FACILITY
MDAQMD Federal Operating Permit Number: 90002

Compliance Assurance Monitoring Plan

Searles Valley Minerals

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
MD	FND	Fed. Reg. Dec. - Polymer Manufacturing SOCOMI and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Process Unit Turnarounds	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Emitter Processes and Distribution Operations in SOCOMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Ship Building	MD	Current	Current	8/7/1995	40 CFR 52.220(a)(1)(vi)	11/11/1994	61 FR 56474
MD	FND	Fed. Reg. Dec. - Surface Coating of Cars	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Surface Coating of Coils	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Surface Coating of Fabrics	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Surface Coating of Large Appliances	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Surface Coating of Magnet Ware	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Surface Coating Operations on Automotive and Light Duty Truck	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Assembly Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Synthetic Organic Chemical Manufacturing Batch Processing	MD	Current	Current	8/7/1995	40 CFR 52.220(a)(1)(v)	11/11/1994	61 FR 56474
MD	FND	Fed. Reg. Dec. - Synthetic Organic Chemical Manufacturing Industry	MD	Current	Current	8/7/1995	40 CFR 52.220(a)(1)(v)	11/11/1994	61 FR 56474
MD	FND	Fed. Reg. Dec. - Synthetic Organic Chemical Manufacturing Reactors	MD	Current	Current	8/7/1995	40 CFR 52.220(a)(1)(v)	11/11/1994	61 FR 56474
MD	FND	Fed. Reg. Dec. - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Vacuum Producing Devices	MD	1/22/2007	Current	7/11/2007	40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - 2 CFRs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	8/23/2011	Current	7/16/2011	40 CFR 52.220(a)(51)(6)(A)(I) and 52.220(a)(1)(v)	3/27/2020	85 FR 11812
MD	FND	Fed. Reg. Dec. - 1 CFRs for Miscellaneous Metal and Plastic Parts Coatings (EPA-45FR-08-003), Table 6—Motor Vehicle Materials	MD	10/22/2018	Current	12/7/2018	40 CFR 52.220(a)(51)(6)(A)(I) and 52.220(a)(1)(v)	3/27/2020	85 FR 11812
MD	FND	Program - Federal Operating Permits Title V	MD				40 CFR 70 App. A California (40C)	12/17/2003	68 FR 63563
MD	FND	Program - Federal Operating Permits Title V	MD		Unknown		40 CFR 70 App. A California (40C)	10/15/2002	67 FR 43551
MD	MACT	MACT Delegation (Sections A, F, O, H, I, L, M, N, O, Q, R, S, T, U, W, X, Y, AA, BB, CC, DD, EE, GG, HH, I, JJ, KK, LL, MM, OO, PP, QQ, RR, SS, TT, UU, VV, WW, XX, YY, CCC, DDD, EEE, OOO, HHH, III, JJJ, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, TTT, UUU, VVV, XXX, AAAA, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, III, JJJ, KKK, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUUU, VVVV, WWW, XXXX, YYYY, ZZZZ, AAAA, BBBB, CCCC, DDDD, EEEE, FFFF, GGGG, HHHH, III, JJJ, KKK, LLLL, MMMM, NNNN, OOO, PPP, QQQ, RRR, SSS, TTTT, WWWWWW, YYYYY, ZZZZ, BBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG, HHHHH, IIIII, LLLLL, MMMM, NNNNN, OOOOO, PFFFF, QQQQQ, RRRRR, SSSSS, TTTTT, VVVVV, WWWWWW, XXXXXX, YYYYYY, ZZZZZ, AAAA, BBBB, CCCCC, DDDDD, EEEEE, FFFFF, GGGGG, HHHHH, III, JJJ, KKK, LLL, MMM, NNN, OOO, PPP, QQQ, RRR, SSS, TTT, UUU, VVV, WWW, AAAA, CCCC, EEE, III, HHH, KKK)	MD		Current				
MD	NSR/9	NSR/9 Delegation (Sections A, C, D, E and M)	SB		NSA				
MD	NSR/9	NSR/9 Delegation (Sections A, D, Da, Da, Dc, E, Ea, Ee, F, F, G, H, I, J, Ka, K, Ka, Kc, L, M, N, Na, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, Aaa, Bb, Cc, Dd, Ee, Gg, Hh, Kk, Ll, Mm, Nn, Pp, Qq, Rr, Ss, Tt, Uu, Vv, Vva, Ww, Aaa, Bbb, Ddd, Fff, Ggg, Ggg, Hh, Hh, Kkk, Lll, Mmm, Nnn, Ooo, Ppp, Qqq, Rrr, Sss, Ttt, Uuu, Vvv, Wwww, Aaaa, Cccc, Eee, Hhh, Kkk)	MD		Current				
MD	FND	19 Source Category FNDs (including Oil & Gas)	MD	10/28/2019	CFR Sub	12/20/2019		4/9/2021	78 FR 25185

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MD	1162	Polyester Broom Operations	MD		1/22/2018	Current	5/23/2018 40 CFR 52.220(a)(5)(9)(A)(I)	2/2/2020	65 FR 11812
SC	1164	Semiconductor Manufacturing Operations	B,C	None		Ref 10/1991	10/24/1991	5/1/1994	58 FR 48459
MD	1165	Glass Melting Furnaces	MD		8/12/2008	Current	1/23/2008 40 CFR 52.220(a)(24)(a)(i)(v)	7/2/2011	76 FR 39181
SC	1171	Solvent Cleaning	B,C	None		8/2/1991	6/18/1992 40 CFR 52.220(a)(18)(a)(i)(C)(1)	12/29/1993	58 FR 66285
SC	1173	Fugitive Emissions of Volatile Organic Compounds	B,C	None		12/7/1990	6/18/1992 40 CFR 52.220(a)(18)(a)(i)(C)(1)	12/29/1993	58 FR 66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	B,C	None		SC Ref 5/91	40 CFR 52.220(a)(18)(a)(i)(A)(I)	??	??
SC	1176	Sludge and Wastewater Separators	B,C	None		Ref 1/1/90	12/31/1990 40 CFR 52.220(a)(18)(a)(i)(A)(I)	10/24/1992	57 FR 48459
MD	1200	General (Federal Operating Permit)	MD		3/28/2011				
MD	1201	Definitions (Federal Operating Permit)	MD		9/26/2005				
MD	1202	Applications	MD		9/26/2005				
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD		9/26/2005				
MD	1204	Modifications of Federal Operating Permits (Federal Operating Permit)	MD		9/26/2005				
MD	1205	Reopening, Renewance and Termination of Federal Operating Permits (Federal Operating Permit)	MD		9/26/2005				
MD	1206	Permits	MD		9/26/2005				
MD	1207	Notice and Comment (Federal Operating Permit)	MD		9/26/2005				
MD	1208	Certification (Federal Operating Permit)	MD		9/26/2005				
MD	1209	Appeals (Federal Operating Permit)	MD		9/26/2005				
MD	1210	Air Emission Provisions of Federal Operating Permits (Federal Operating Permit)	MD		9/26/2005				
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD		3/28/2011				
MD	1300	General	MD		3/25/1994		7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1301	General	MD		8/22/2016	(SP Sub)	1/24/2017		
MD	1302	Definitions	MD		9/24/2001	3/25/1994	7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1303	Definitions	MD		9/24/2001	(SP Sub)	1/24/2001		
MD	1304	Procedure	MD		8/22/2016	3/25/1994	7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1305	Procedure	MD		8/22/2016	(SP Sub)	1/24/2017		
MD	1306	Requirements	MD		9/24/2001	3/25/1994	7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1307	Requirements	MD		9/24/2001	(SP Sub)	1/24/2001		
MD	1308	Emissions Calculations	MD		9/24/2001	3/25/1994	7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1309	Emissions Calculations	MD		9/24/2001	(SP Sub)	1/24/2001		
MD	1309	Emissions Offsets	MD		8/28/2006	3/25/1994	7/23/1994 40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1309	Emissions Offsets	MD		8/28/2006	(SP Sub)	1/24/2006		
MD	1309	Electric Energy Generating Facilities	MD		3/25/1994	7/23/1994	40 CFR 52.220(a)(23)(a)(A)(I)	11/13/1994	61 FR 58133
MD	1309	Electric Energy Generating Facilities	MD		9/24/2001	(SP Sub)	1/24/2001		
MD	1310	Federal Major Facilities and Federal Major Modifications	MD		8/28/2006	(SP Sub)	1/24/2006		
MD	1400	General (Emission Reduction Credits)	MD		6/28/1995	Current	8/18/1995 40 CFR 52.220(a)(22)(a)(i)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emission Reduction Credits)	MD		6/28/1995	Current	8/18/1995 40 CFR 52.220(a)(22)(a)(i)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Register	MD		6/28/1995	Current	8/18/1995 40 CFR 52.220(a)(22)(a)(i)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD		6/28/1995	Current	8/18/1995 40 CFR 52.220(a)(22)(a)(i)(C)	1/22/1997	62 FR 3215
MD	1500	Control of Toxic Air Contaminants From Existing Sources	MD		3/25/2019	(SP Sub)			
MD	1600	Prevention of Significant Deterioration	MD		8/22/2016	(SP Sub)			
MD	2001	Competition Conformity	MD		3/21/1995	??			
MD	2002	General Federal Actions Conformity	MD		10/26/1994	Current	5/10/1994 40 CFR 52.220(a)(23)(a)(i)(C)(1)	4/23/1994	64 FR 19916
MD	FND	Fed. Reg. Dec. - Asphalt Air Blowing	MD		Current	Current	1/23/1994 40 CFR 52.220(a)(1)(v)	9/11/1995	60 FR 47074
MD	FND	Fed. Reg. Dec. - Air Condition Process - SO2/MD	MD		1/22/2007	Current	9/11/2007 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Chemical Processing & Manufacturing	B,C	5/25/1994 wa Res 94-03	Current	Current	1/23/1994	1/31/1995	60 FR 38
MD	FND	Fed. Reg. Dec. - Chemical Processing & Manufacturing	B,C	5/25/1994	Current	Current	1/23/1994	1/31/1995	60 FR 38
MD	FND	Fed. Reg. Dec. - Equipment Leaks from Natural Gas/Oil/Gasoline Processing Plants	MD		1/22/2007	Current	9/11/2007 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Fugitive Emissions from Synthetic Organic Chemical Polymer and Resin Manufacturing Equipment	MD		8/23/2010	Current	10/23/2010 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Industrial Wastewater	MD		Current	Current	8/7/1995 40 CFR 52.220(a)(1)(v)	11/11/1996	61 FR 56474
MD	FND	Fed. Reg. Dec. - Large Petroleum Tank Storage	MD		1/22/2007	Current	9/11/2007 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Leaks from Petroleum Refinery Equipment	MD		1/22/2007	Current	9/11/2007 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Resins	MD		8/23/2010	Current	10/23/2010 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Natural Gas/Oil/Gasoline Processing Equipment	B,C	5/25/1994 wa Res 94-03	Current	Current	10/23/2010 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Natural Gas/Oil/Gasoline Processing Equipment	B,C	5/25/1994	Current	Current	9/13/1994 40 CFR 52.220(a)(1)(v)	1/31/1995	60 FR 38
MD	FND	Fed. Reg. Dec. - Offset Lithography	MD		Current	Current	8/7/1995 40 CFR 52.220(a)(1)(v)	11/11/1996	61 FR 56474
MD	FND	Fed. Reg. Dec. - Oven & Citrus Heaters	MD		6/24/1996	??			
MD	FND	Fed. Reg. Dec. - Petroleum Refinery Equipment	MD		8/23/2010	Current	10/23/2010 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153
MD	FND	Fed. Reg. Dec. - Plastics Parts Coating Machines	MD		Current	Current	8/7/1995 40 CFR 52.220(a)(1)(v)	11/11/1996	61 FR 56474
MD	FND	Fed. Reg. Dec. - Plastics Parts Coating (other)	MD		Current	Current	8/7/1995 40 CFR 52.220(a)(1)(v)	11/11/1996	61 FR 56474
MD	FND	Fed. Reg. Dec. - Pneumatic Rubber Tire Manufacturing	MD		1/22/2007	Current	9/11/2007 40 CFR 52.220(a)(1)(v)	5/29/2011	76 FR 29153

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MDAQMD Federal Operating Permit Number: 90002

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Searles Valley Minerals

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
SC	481	Spay Coating Operations	B,C	1113, 1114, 1115 & 1116	5/5/1973	8/11/1989	FR Test	6/9/1982	47 FR 25013
SC	501	General	B,C		6/10/2019	Ref 6/10		8/11/1989	FR Test
MD	900	Standards of Performance for New Stationary Sources	MD		2/25/2019	Delegated			
MD	1000	National emissions Standards for Hazardous Air Pollutants	MD		2/25/2019	Delegated			
SC	1101	Secondary Lead Smelter/Sulphur Oxide (SC Adopted 10/7/77)	B,C	Nine		4/4/1980	8/11/1989	FR Test	6/9/1982
SC	1102	Petroleum Refinery Dry Cleaners (SC Adopted 12/7/90)	B,C	Nine		12/7/1990	5/13/1991	40 CFR 52.22000(18400)(B)(1)	3/24/1992
MD	1102	Exhaust Emissions of VOC's from Components at Pipeline Transfer Stations	MD	Nine		10/26/1994	Current	11/20/1994	40 CFR 52.22000(27600)(D)
SC	1102	Petroleum Refinery Dry Cleaning Systems	B,C	Nine		12/7/1990	5/13/1991	40 CFR 52.22000(18400)(B)(1)	3/24/1992
SC	1103	Pharmaceutical and Cosmetics Manufacturing Operations	B,C	Nine		4/6/1980	4/23/1980	40 CFR 52.22000(49300)	7/8/1982
MD	1103	Subacute and Ameliorated Asphalt Wood Pulp Cook Coating Operations	MD	Nine		12/21/1994	Current	12/22/1994	40 CFR 52.22000(29700)(C)(1)
MD	1104	(SC Amended 8/2/91)		Nine		3/1/1991	10/5/1991	40 CFR 52.22000(18600)(C)(1)	6/3/1994
MD	1104	Organic Solvent Degreasing Operations	MD	Nine		4/23/2019	Current	7/16/2019	40 CFR 52.22000(21900)(A)(1)
SC	1105	Blow Coating Operations Other Than Oxides of Nitrogen (SC Adopted 9/8/94)	B,C	Nine		9/8/1994	9/8/1994	40 CFR 52.22000(12700)(C)	7/7/1995
MD	1106	Mastic & Primer Craft Coating Operations	MD	Nine		10/24/2016	Current	10/24/2016	40 CFR 52.22000(48800)(B)(1)
SC	1107	Miscellaneous Metal Parts, Products and Coatings Operations	B,C	Nine		9/8/1991	5/13/1991	40 CFR 52.22000(19300)(A)(1)	12/29/1993
SC	1108	Subacute Asphalt	B,C	Nine		3/1/1985	4/23/1985	40 CFR 52.22000(14500)(B)(1)	7/12/1985
SC	1109	Blow-off Asphalt	B,C	Nine		Ref 3/84	3/14/1984	40 CFR 52.22000(12300)(A)	1/24/1985
SC	1110	Emissions from Stationary Internal Combustion Engines	B,C	Nine		Ref 3/82	3/9/1982	40 CFR 52.22000(12100)(C)	5/3/1984
SC	1111	NOx Emissions from Natural Gas Fired Fan Type Central Furnaces	B,C	Nine		Ref 10/83	10/27/1983	40 CFR 52.22000(14800)(A)	5/8/1984
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	B,C	Nine		Ref 3/84	4/12/1984	40 CFR 52.22000(15400)(B)(1)	7/7/1985
SC	1113	Architectural Coatings	B,C	Nine		4/23/2019	Ref 3/84	7/19/1984	40 CFR 52.22000(15300)(A)
MD	1113	Architectural Coatings	MD	Nine		4/23/2019	Current	3/6/2019	40 CFR 52.22000(42800)(C)(1)
MD	1114	Wood Products Coating Operations	MD	Nine		1/22/2018	Current	3/3/1997	40 CFR 52.22000(21800)(A)(1)
SC	1115	Motor Vehicle Assembly and Component Coating Operations	B,C	Nine		3/6/1992	9/14/1992	40 CFR 52.22000(18900)(A)(1)	12/29/1993
MD	1115	Metal Parts & Products Coating Operations	MD	Nine		1/22/2018	Current	5/23/2018	40 CFR 52.22000(21800)(A)(2)
MD	1116	Automotive Refinishing Operations	MD	Nine		8/25/2010	Current	4/5/2011	40 CFR 52.22000(38800)(B)(1)
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	B,C	Nine		SC 1/6/1984	12/9/1984	40 CFR 52.22000(15900)(D)	7/12/1985
MD	1117	Graphite Anode	MD	Nine		8/28/2009	Current	7/20/2010	40 CFR 52.22000(38100)(B)(1)
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD	Nine		10/26/2015	Current	4/21/2016	40 CFR 52.22000(48500)(B)(1)
SC	1119	Petroleum Coke Coating Operations Oxides of Sulfur	B,C	Nine		5/21/1979	7/25/1980	40 CFR 52.22000(18900)(A)	9/28/1981
SC	1120	Asphalt Paving Heaters	B,C	Nine		8/4/1978	7/25/1980	40 CFR 52.22000(45500)	9/28/1981
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	B,C	Nine		12/1/1979	4/21/1980	40 CFR 52.22000(47300)(B)	9/28/1981
SC	1122	Solvent Metal Cleaners (Degreasers)	B,C	Nine		7/8/1983	10/29/1983	40 CFR 52.22000(14800)(B)	10/3/1984
SC	1123	Refinery Process Turnaround	B,C	Nine		SC 12/7/1990	5/13/1991	40 CFR 52.22000(18400)(B)(2)	8/11/1992
SC	1124	Aerospace Assembly and Component Coating Operations	B,C	Nine		REF 4/84	4/19/1984	40 CFR 52.22000(15400)(A)	1/24/1985
SC	1125	Metal Containers, Closure and Cap Coating Operations	B,C	Nine		SC 9/2/1991	5/13/1991	40 CFR 52.22000(18900)(A)(2)	4/14/1994
SC	1126	Magnet Wire Coating Operations	B,C	Nine		SC 9/6/1992	9/14/1992	40 CFR 52.22000(18900)(A)(2)	12/29/1993
MD	1126	Mining & Solid Waste Landfills	MD	Nine		8/28/2009	Ref SIP	12/20/2009	40 CFR 60.3
SC	1127	Paper, Paints and Film Coating Operations	B,C	Nine		SC 2/9/1992	9/14/1992	40 CFR 52.22000(18900)(A)(2)	12/29/1993
SC	1128	Graphic Arts	B,C	Nine		Ref 5/1991	5/13/1991	40 CFR 52.22000(19300)(A)(2)	4/14/1994
SC	1129	Wood Furniture and Cabinet Coatings	B,C	Nine		Ref 5/92	5/13/1992	40 CFR 52.22000(18900)(A)(4)	4/14/1994
SC	1140	Aluminum Etching	B,C	Nine		3/1/1989	4/21/1989	40 CFR 52.22000(16700)(B)	9/28/1981
SC	1141	Control of Volatile Organic Compound Emissions from Iron Manufacturing	B,C	Nine		SC 4/9/1992	9/18/1992	40 CFR 52.22000(18900)(A)(2)	12/29/1993
SC	1141.1	Coatings and Ink Manufacturing	B,C	Nine		11/4/1983	3/14/1984	40 CFR 52.22000(15300)(B)	1/24/1985
SC	1141.2	Surfacecoat Manufacturing	B,C	Nine		SC 7/6/1984	10/19/1984	40 CFR 52.22000(15400)(A)	1/13/1985
SC	1142	Magnet Tank Vessel Operations	B,C	Nine		SC 1/16/1992	1/28/1992	40 CFR 52.22000(18900)(C)(1)	12/29/1993
SC	1143	Paints, Enamel and Other Coatings	B,C	Nine		Ref 10/1983	1/11/1984	40 CFR 52.22000(18900)(A)(1)	12/29/1993
SC	1143	Thermally Enhanced Oil Recovery Wells	B,C	Nine		Ref 10/1983	10/29/1983	40 CFR 52.22000(14800)(B)	7/7/85
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	B,C	Nine		Ref 5/13/1991	5/13/1991	40 CFR 52.22000(19300)(A)(1)	12/29/1993
SC	1152	Commercial Bakery Ovens	B,C	Nine		SC 1/4/1991	5/13/1991	40 CFR 52.22000(18400)(B)(3)	9/28/1993
MD	1152	Bakery and Process Heaters	MD	Nine		1/22/2019	5/19/1997	3/13/1997	40 CFR 52.22000(42800)(D)
MD	1157	Bakery and Process Heaters	MD	Nine		1/22/2019	(SP Sub)	5/25/2018	4/29/1994
SC	1158	Storage, Handling and Transport of Petroleum Coke	B,C	Nine		SC Ref 5/93	3/14/1988	40 CFR 52.22000(15300)(B)	1/13/1985
MD	1158	Electric Power Generating Facilities	MD	Nine		6/5/2013	8/23/1993	40 CFR 52.22000(25400)(B)(2)	7/29/1994
MD	1158	Electric Power Generating Facilities	MD	Nine		6/5/2013	(SP Sub)	1/13/2017	
SC	1159	Steel Acid Treats - Oxides of Nitrogen	B,C	Nine		SC 12/6/1985	2/10/1986	40 CFR 52.22000(16800)(B)	7/12/1985
MD	1159	Stationary Gas Turbines	MD	Nine		9/28/2009	Current	5/17/2010	40 CFR 52.22000(37900)(E)(1)
MD	1160	Internal Combustion Engines	MD	Nine		1/22/2019	10/26/1994	40 CFR 52.22000(29700)(D)(3)	1/13/1985
MD	1161	Portland Cement Kilns	MD	Nine		1/22/2019	(SP Sub)	5/25/2018	
MD	1161	Portland Cement Kilns	MD	Nine		1/22/2019	(SP Sub)	6/18/2000	40 CFR 52.22000(30000)(A)(1)
MD	1161	Portland Cement Kilns	MD	Nine		1/22/2019	(SP Sub)	5/25/2018	
MD	1162	Polymer Form Operations	MD	Nine		1/22/2019	8/27/2000	40 CFR 52.22000(35400)(B)(1)	11/24/2003

Updated 6/1/2020

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SEARLES VALLEY MINERALS—TRONA, ARGUS and WESTEND FACILITY
MDAQMD Federal Operating Permit Number: 90002

Compliance Assurance Monitoring Plan

Searles Valley Minerals

Rules in the SIP for the MDAQMD

Agency	Rule #	Rule Title	Effective Area	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
MD	476	Steam Generating Equipment	MD	8/25/1997	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(BY)(1)	1/1/1999	64 FR 1517
SB	480	Natural Gas Fired Control Devices	SBC	2/20/1979	Current	5/23/1979	40 CFR 52.220(c)(51)(mi)(A)	1/27/1981	46 FR 8471
SC	481	Spray Coating Operations	EC	1113, 1114, 1115 & 1116	5/5/1978	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	501	General	EC		6/10/2019	8/11/1980	FR Test	6/9/1982	47 FR 25013
MD	900	Standards of Performance for New Stationary Sources	MD	2/25/2019	Delegated				
MD	1000	National emissions Standards for Hazardous Air Pollutants	MD	2/25/2019	Delegated				
SC	1101	Secondary Lead Smelters/Sulfur Oxides (SC Adopted 10/7/77)	EC	None	4/4/1980	8/11/1980	FR Test	6/9/1982	47 FR 25013
SC	1102	Petroleum Solvent Dry Cleaners (SC Amended 12/7/90)	EC	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
MD	1102	Fugitive Emissions of VOC's from Components at Pipeline Transfer Stations	MD	10/26/1994	Current	11/30/1994	40 CFR 52.220(c)(207)(i)(D)	9/27/1995	60 FR 49772
SC	1102.1	Perchloroethylene Dry Cleaning Systems	EC	None	12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1103	Pharmaceuticals and Cosmetics Manufacturing Operation	EC	None	4/6/1980	4/23/1980	40 CFR 52.220(c)(69)(ii)	7/8/1982	47 FR 29668
MD	1103	Outback and Emulsified Asphalt	MD	12/2/1994	Current	12/2/1994	40 CFR 52.220(c)(207)(i)(C)(1)	2/5/1996	61 FR 4215
SC	1104	Wood Flat Stock Coating Operations (SC Amended 8/2/91)		None	3/1/1991	10/25/1991	40 CFR 52.220(c)(186)(i)(C)(1)	6/23/1994	59 FR 32354
MD	1104	Organic Solvent Degreasing Operations	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(i)(A)(1)	7/2/2019	84 FR 31682
SC	1105	Fluid Catalytic Cracking Units Oxides of Nitrogen (SC Adopted 9/8/84)	Rf	None	9/8/1984	2/6/1985	40 CFR 52.220(c)(159)(v)(C)	7/2/1990	55 FR 28625
MD	1106	Marine & Pleasure Craft Coating Operations	MD	10/24/2016	Current	10/20/2016	40 CFR 52.220(c)(498)(i)(B)(1)	2/12/2018	83 FR 5940
SC	1107	Miscellaneous Metal Parts, Products and Coating Operations	EC	None	9/6/1991	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1108	Outback Asphalt	EC	None	2/1/1985	4/12/1985	40 CFR 52.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1108.1	Emulsified Asphalt	EC	None	Ref 3/84	3/14/1984	40 CFR 52.220(c)(153)(vi)(A)	1/24/1985	50 FR 3339
SC	1110	Emissions from Stationary Internal Combustion Engines	EC	None	Ref 3/82	3/11/1982	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	47 FR 18822
SC	1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces	EC	None	Ref 10/83	10/27/1983	40 CFR 52.220(c)(148)(vi)(A)	5/3/1984	49 FR 18830
SC	1112	Emissions of Oxides of Nitrogen from Cement Kilns	EC	None	1/6/1984	4/12/1984	40 CFR 52.220(c)(154)(vi)(B)	1/7/1986	51 FR 600
SC	1113	Architectural Coatings	EC	Ref 7/84	7/10/1984		40 CFR 52.220(c)(155)(vi)(A)	1/24/1985	50 FR 3339
MD	1113	Architectural Coatings	MD	4/23/2012	4/23/2012	2/6/2013	40 CFR 52.220(c)(428)(i)(C)(1)	1/3/2014	79 FR 365
MD	1113	Architectural Coatings	MD	10/26/2020	(SIP Sub)	6/10/2021			
MD	1114	Wood Products Coating Operations	MD	8/24/2020	Current	11/18/2020	40 CFR 52.220(c)(558)(i)(a)(1)	7/28/2021	86 FR 40335
SC	1115	Motor Vehicle Assembly and Component Coating Operations	EC	None	3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(1)	12/20/1993	58 FR 66282
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	(SIP Sub)	5/23/2018	40 CFR 52.220(c)(518)(i)(A)(2)	2/27/2020	85 FR 11812
MD	1115	Metal Parts & Products Coating Operations	MD	6/8/2020	(SIP Sub)	5/23/2018	40 CFR 52.220(c)(518)(i)(A)(2)	5/20/2021	86 FR 27341
MD	1116	Automotive Refinishing Operations	MD	8/23/2010	Current	4/5/2011	40 CFR 52.220(c)(388)(i)(F)(1)	8/19/2012	77 FR 47536
SC	1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces	EC	None	SC 1/6/1984	12/3/1984	40 CFR 52.220(c)(159)(vi)(D)	7/12/1990	55 FR 28624
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	7/20/2010	40 CFR 52.220(c)(381)(i)(H)(1)	3/1/2012	77 FR 12495
MD	1117	Graphic Arts	MD	8/24/2020	(SIP Sub)	11/17/2020			
MD	1118	Aerospace Vehicle Parts & Products Coating Operations	MD	6/8/2020	(SIP Sub)	4/21/2016	40 CFR 52.220(c)(485)(i)(B)(1)	6/21/2017	82 FR 28240
MD	1118	Aerospace Assembly, Repair and Component Manufacturing Operations	MD	6/8/2020	(SIP Sub)	11/17/2020			
SC	1119	Petroleum Coke Calcining Operations Oxides of Sulfur	EC	None	3/21/1979	7/25/1980	40 CFR 52.220(c)(8)(vi)(A)	9/28/1981	46 FR 47451
SC	1120	Asphalt Pavement Heaters	EC	None	8/4/1978	7/25/1980	40 CFR 52.220(c)(65)(i)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type Natural Gas Fired Water Heaters	EC	None	12/1/1978	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1122	Solvent Metal Cleaners (Degreasers)	EC	None	7/8/1983				
SC	1123	Refinery Process Turnaround	EC	None	SC 12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(2)	8/1/1992	57 FR 35758
SC	1124	Aerospace Assembly and Component Coating Operations	EC	None	1/6/1984	4/19/1984	40 CFR 52.220(c)(154)(vi)(A)	1/24/1985	50 FR 3339
SC	1125	Metal Container, Closure and Coil Coating Operations	EC	None	SC 8/2/1991	5/13/1993	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17898
SC	1126	Magnet Wire Coating Operations	EC	None	SC 3/6/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(2)	12/20/1993	58 FR 66286
MD	1126	Municipal Solid Waste Landfills	MD	8/28/2000	Not SIP	12/20/200	40 CFR 60.23		
SC	1128	Paper, Fabric and Film Coating Operations	EC	None	SC 2/7/1992	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66287
SC	1130	Graphic Arts	EC	None	Ref 5/1993	5/13/1993	40 CFR 52.220(c)(193)(i)(A)(2)	4/14/1994	59 FR 17698
SC	1136	Wood Furniture and Cabinet Coatings	EC	None	Ref 5/92	5/13/1992	40 CFR 52.220(c)(189)(i)(A)(4)	4/14/1994	59 FR 17698
SC	1140	Abrasive Blasting	EC	None	2/1/1980	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing	EC	None	SC 4/3/1992	9/19/1992	40 CFR 52.220(c)(189)(i)(A)(3)	12/20/1993	58 FR 66286
SC	1141.1	Coatings and Ink Manufacturing	EC	None	1/14/1983	3/14/1984	40 CFR 52.220(c)(153)(vi)(B)	1/24/1985	50 FR 3339
SC	1141.2	Surfactant Manufacturing	EC	None	SC 7/6/1984	10/19/1984	40 CFR 52.220(c)(156)(vi)(A)	1/15/1987	52 FR 1627
SC	1142	Marine Tank Vessel Operations	EC	None	None	1/28/1992	40 CFR 52.220(c)(187)(i)(C)(1)		
SC	1145	Plastic, Rubber and Glass Coatings	EC	None	SC 1/10/1992	1/11/1993	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1148	Thermally Enhanced Oil Recovery Wells	EC	None	Ref 10/1983	10/27/1983	40 CFR 52.220(c)(148)(vi)(B)		77
SC	1151	Motor Vehicle and Mobile Equipment Non-Assembly Line Coating Operations	EC	None	Ref 3/13/1993	3/13/1993	40 CFR 52.220(c)(193)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1153	Commercial Bakery Ovens	EC	None	SC 1/4/1991	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(3)	9/29/1993	58 FR 50850
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	5/19/1997	40 CFR 52.220(c)(249)(i)(D)	4/20/1999	64 FR 19277
MD	1157	Boilers and Process Heaters	MD	1/22/2018	(SIP Sub)	5/23/2018			
SC	1158	Storage, Handling and Transport of Petroleum Coke	EC	None	SC Ref 5/93	3/14/1984	40 CFR 52.220(c)(153)(vi)(B)	1/15/1987	52 FR 1627
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	8/25/1997	3/10/1998	40 CFR 52.220(c)(254)(i)(BY)(2)	7/20/1999	64 FR 38832
MD	1158	Electric Power Generating Facilities	MD	6/26/2017	(SIP Sub)	11/13/2017			
SC	1159	Nitric Acid Units - Oxides of Nitrogen	EC	None	SC 12/6/1985	2/10/1986	40 CFR 52.220(c)(168)(i)(H)	7/12/1990	55 FR 28622
MD	1159	Stationary Gas Turbines	MD	9/28/2009	Current	5/17/2010	40 CFR 52.220(c)(379)(i)(B)(1)	10/25/2012	77 FR 65133

Updated 11/19/2021

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SEARLES VALLEY MINERALS—TRONA, ARGUS and WESTEND FACILITY
MDAQMD Federal Operating Permit Number: 90002

Compliance Assurance Monitoring Plan

Searles Valley Minerals

Rules in the SIP for the MDAQMD

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CA 45B	2	Definitions	SB-C	MD 102		2/23/1972	40 CFR 52.223(a)(400)(A)	12/21/1973	43 FR 59489	
CA 45B	5 (a)	Public Availability of Emissions Data	SB-C	None		7/25/1973	40 CFR 52.220(a)(11)(iii)(A)	6/14/1978	43 FR 25684	
BC	31	Storage	SB-C	MD 405, 07/25/1977 via Res. 94-03		7/25/1977	40 CFR 52.220(a)(2)	9/3/1977		
BC	32	Particulate Matter - Concentration	SB-C	MD 405, 07/25/1977 via Res. 94-03		7/25/1977	40 CFR 52.220(a)(1)(ii)(A)	9/3/1977	43 FR 40011	
BC	33	Specific Air Contaminants	SB-C	MD 406, 02/28/1979 via Res. 94-03		6/9/1977	40 CFR 52.240(a)(1)(b)(1)(A)	1/16/1981	46 FR 3883	
BC	34	Solid Particulate Matter - Weight	SB-C	MD 405, 07/25/1977 via Res. 94-03		7/25/1977	40 CFR 52.220(a)(1)(ii)(A)	9/3/1977	43 FR 40111	
CA 45B	54A	Solid Particulate Matter - Weight	SB-C	MD 405, 07/25/1977		Unknown	40 CFR 52.240(a)(1)(b)(4)(A)	1/16/1981	46 FR 3883	
BC	56	Storage Piles	SB-C	None		6/9/1977	40 CFR 52.220(a)(9)(v)(C)	9/3/1978	43 FR 40011	
BC	58	Disposal of Solid and Liquid Wastes	SB-C	MD 473, 7/25/77 via Res. 94-03		7/25/1977	40 CFR 52.220(a)(1)(ii)(A)	9/3/1978	43 FR 40011	
CA 45B	58 A	Disposal of Solid and Liquid Wastes	SB-C	MD 473, 07/25/77		7/25/1977	40 CFR 52.240(a)(1) & (4)(1)(b)	1/16/1981	46 FR 3883	
CA 45B	62.1	Lead Content of Natural Gas	SB-C	None but See MD 431		7/25/1972	40 CFR 52.240(a)(1) & (4)(1)(b)	1/16/1981	46 FR 3883	
CA 45B	67	Flare Burning Equipment	SB-C	None but See MD 474 and 476		7/25/1972	40 CFR 52.280(a)(1)(iv)(A)	6/9/1982	47 FR 25013	
BC	67	Flare Burning Equipment	SB-C	None but See MD 474 and 476		7/25/1972	40 CFR 52.280(a)(2)(v)	5/18/1981	46 FR 27116	
CA 45B	68	Vacuum Producing Devices or Systems	SB-C	Fed Reg Dec. 12/21/1994		7/25/1972	40 CFR 52.240(a)(1) & (4)(1)(b)	1/16/1981	46 FR 3886	
CA 45B	70	High Air Blowing	SB-C	Fed Reg Dec. 10/26/1994		7/25/1972	40 CFR 52.240(a)(1) & (4)(1)(b)	1/16/1981	46 FR 3886	
BC	70	Flare Burning Equipment	SB-C	MD 474, 01/22/1996, MD 475 9/16/1981, and MD 476 01/22/1996 via Res. 94-03		7/25/1972	40 CFR 52.280(a)(1)(iv)	5/18/1981	46 FR 27116	
BC	73	Lead Content and Volatility of Gasoline	SB-C	None		6/9/1977	40 CFR 52.220(a)(9)(v)(C)	9/3/1978	43 FR 4001	
CA 45B	73	Dry Scrubbing	SB-C	None		4/19/1975	40 CFR 52.220(a)(7)(v)	6/14/1978	43 FR 25684	
BC	84	Vacuum Producing Devices or Systems	SB-C	Fed Reg Dec. 12/21/1994		7/25/1972	40 CFR 52.240(a)(1) & (4)(1)(b)	6/9/1982	47 FR 25013	
BC	101	Title	SB-C	11/1/93 via Res. 94-03		7/1/1993	40 CFR 52.220(a)(1)(v)	6/9/1982	47 FR 25013	
BC	101	Title	SB-C			12/1/1993	40 CFR 52.220(a)(1)(v)(B)	11/27/1995	55 FR 49281	
MD	102	Definition of Terms				4/23/2011	40 CFR 52.220(a)(1)(v)(A)(1)	7/2/2011	84 FR 31482	
MD	102	Definition of Terms				8/26/2019				
MD	103	Definition of District Boundaries	MD			6/28/1995	Current	8/10/1995	40 CFR 52.220(a)(2)(4)(v)(C)(2)	
BC	103	Definition of Terms (Unknown rule - no record kept in FR reference)	SB-C	None		1/14/1977	40 CFR 52.236(a)(4)	1/16/1981	46 FR 3883	
BC	104	Reporting of Source Data Analysis	SB-C	None		8/11/1980	FR Test	6/9/1982	47 FR 25013	
MD	104	Reporting of Source Data Analysis				3/26/1990	40 CFR 52.220(a)(1)(v)(B)(ii)	1/12/1995	55 FR 49281	
BC	104	Reporting of Progress	SB-C	12/19/1988 via Res. 94-03		12/19/1988	Current	6/9/1982	47 FR 25013	
MD	104	Reporting of Progress				12/19/1988	Current	3/26/1990	40 CFR 52.220(a)(1)(v)(B)(ii)	
MD	107	Certification and Emissions Statements	MD			9/14/1992	Current	1/12/1992	40 CFR 52.220(a)(1)(v)(F)(1)	
BC	107	Commissioning of Volatile Organic Compounds in Coating Material	SB-C	None		8/1/1982	40 CFR 52.220(a)(1)(v)(B)(iii)	10/1/1981	46 FR 46046	
BC	108	Alternate Emission Control Plans	SB-C	None		4/6/1990	12/31/1990	40 CFR 52.220(a)(1)(2)(v)(A)(3)	6/30/1992	58 FR 45445
BC	109	Record keeping for Volatile Organic Compound Emissions	SB-C	None		8/6/1992	9/14/1992	40 CFR 52.220(a)(1)(v)(B)(iv)	4/1/1993	60 FR 18751
BC	201	Permit to Construct	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	201	Permit to Construct	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	202	Temporary Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	202	Temporary Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	203	Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	203	Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	204	Permit Conditions	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
MD	204	Permit Conditions				7/25/1977	0-73	6/9/1982	47 FR 25013	
BC	205	Construction of Appliance	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	205	Construction of Appliance	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	206	Posting of Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	206	Posting of Permit to Operate	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	207	Altering or falsifying of Permit	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	207	Altering or falsifying of Permit	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	208	Permit for Open Burning	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	208	Permit for Open Burning	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(C)	
BC	209	Transfer and Woking of Permit	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	209	Transfer and Woking of Permit	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	212	Standards for Approving Permits	SB-C	7/25/1977 via Res. 94-03		5/11/1987	6/9/1987	40 CFR 52.220(a)(1)(7)(v)(A)(1)	3/2/1989	54 FR 5448
BC	212	Standards for Approving Permits	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	213	Provision for Sampling and Testing Facilities	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	213	Provision for Sampling and Testing Facilities	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	218	Stack Monitoring	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	8/11/1980	FR Test	
BC	218	Stack Monitoring	SB-C	7/25/1977 via Res. 94-03		7/25/1977	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(C)	
BC	219	Equipment Not Requiring a Written Permit	SB-C	1/28/2019		1/28/2019	0-73	6/9/1977	40 CFR 52.220(a)(9)(v)(B)	
BC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II	SB-C	1/28/2019		9/4/1981	10/23/1981	40 CFR 52.220(a)(10)(v)(v)(A)	7/6/1982	47 FR 29231
MD	219	Equipment Not Requiring a Written Permit	MD			1/28/2019	0-73	6/9/1982	47 FR 29231	
BC	220	Emission, Not Referred to Emissions	SB-C	1/25/1991 via Res. 94-03		1/25/1991	0-73	10/23/1981	40 CFR 52.220(a)(10)(v)(v)(A)	

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Old SB	2	Definitions	SBC	MD 102	Bef 02/72	2/21/1972	40 CFR 52.2236(e)(4)(i)(A)	12/21/1978	43 FR 59489
Old SB	5(a)	Public Availability of Emissions Data	SBC	None	Bef 02/73	7/25/1973	40 CFR 52.220(c)(2)(iv)(A)	6/14/1978	43 FR 25684
RC	51	Notice	RC	MD 402, 07/25/1977 via Res. 94-03	Bef 02/72	2/21/1971	40 CFR 52.220(c)(7)	5/31/1977	
RC	52	Particulate Matter - Concentration	SBC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72		40 CFR 52.228(b)(1)(ii)(A)	9/8/1978	43 FR 40011
Old SB	52A	Particulate Matter - Concentration	SBC			6/19/1972	40 CFR 52.220(c)(1)-2	9/22/1972	34 FR 19812
Old SB	53A	Specific Air Contaminants				6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	53	Specific Air Contaminants				6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	53.2	Sulfur Recovery Units	SBC			6/30/1972	40 CFR 52.220(c)(1)-2	9/22/1972	34 FR 19812
Old SB	53.3	Sulfuric Acid Units	SBC			6/30/1972	40 CFR 52.220(c)(1)-2	9/22/1972	34 FR 19812
RC	54	Solid Particulate Matter, Weight	RC	MD 405, 07/25/1977 via Res. 94-03	Bef 06/72	6/30/1972	40 CFR 52.228(b)(1)(ii)(A)	9/8/1978	43 FR 4011
Old SB	54A	Solid Particulate Matter, Weight	SBC	MD 405, 07/25/1977	Unknown	6/30/1972	40 CFR 52.240(a)(1)&(d)(1)(i)	1/16/1981	46 FR 3883
RC	56	Scavenger Plants	RC	None	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
RC	58	Disposal of Solid and Liquid Wastes	RC	MD 473, 7/25/77 via Res 94-03	Bef 06/72		40 CFR 52.228(b)(1)(ii)(A)	9/8/1978	43 FR 40011
Old SB	58A	Disposal of Solid and Liquid Wastes	SBC	MD 473, 07/25/77	Bef 02/72		40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	62.1	Sulfur Content of Natural Gas	SBC	None but See MD 431	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3883
Old SB	67	Fuel Burning Equipment	SBC	None but See MD 474 and 476	Bef 02/72		40 CFR 52.220(c)(1)(v)(C)	6/9/1982	47 FR 25013
RC	67	Fuel Burning Equipment	RC	None but See MD 474 and 476	Bef 11/79		40 CFR 52.220(c)(1)(v)	5/18/1981	46 FR 27116
Old SB	69	Vacuum Producing Devices or Systems	SBC	Fed Neg Dec. 12/21/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
Old SB	70	Asphalt Air Blowing	SBC	Fed Neg Dec. 10/26/1994	Bef 02/72	2/21/1972	40 CFR 52.240(a)(1) & (d)(1)(i)	1/16/1981	46 FR 3886
RC	72	Fuel Burning Equipment	RC	MD 474, 01/22/1996, MD 475 03/16/1981, and MD 476 01/22/1996 via Res. 94-03	Bef 11/79	11/19/1979	40 CFR 52.220(c)(1)(v)	5/18/1981	46 FR 27116
RC	73	Lead Content and Volatility of Gasoline	RC	G-73	6/6/1977		40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
Old SB	73	Dry Sandblasting	SBC	None	Bef 02/72	4/10/1975	40 CFR 52.220(c)(2)(v)	6/14/1978	43 FR 25684
RC	74	Vacuum Producing Devices or Systems	RC	Fed Neg Dec 12/21/1994	Bef 06/72	6/30/1972	40 CFR 52.269(b)(3)(ii)(A)		
SC	101	Title	RC	7/1/1993 via Res. 94-03	Bef 11/77	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	101	Title	SBC	7/1/1993	12/19/1998	3/26/1990	40 CFR 52.220(c)(179)(E)	11/27/1990	
MD	102	Definition of Terms				8/17/2018	40 CFR 52.220(c)(520)(A)(1)	7/2/2019	84 FR 31682
MD	102	Definition of Terms		9/28/2020	(SIP Sub)	3/10/2021			
MD	103	Definition of District Boundaries		6/28/1995	Current		40 CFR 52.220(c)(224)(C)(2)	6/3/1999	64 FR 29790
SB	103	Definition of Terms (Unknown rule - no record except in FR reference)	SBC	None	Bef 11/77	11/4/1977	40 CFR 52.236(e)(3)(i)	1/16/1981	46 FR 3883
SC	104	Reporting of Source Data Analysis	RC			8/11/1980	FR Test	6/9/1982	47 FR 25013
MD	104	Reporting of Source Data Analysis		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(B)(4)	11/27/1990	55 FR 49281
SC	106	Increments of Progress	RC	12/19/1988 via Res. 94-03	Bef 06/78	8/11/1980	FR Test	6/9/1982	47 FR 25013
MD	106	Increments of Progress		12/19/1988	Current	3/26/1990	40 CFR 52.220(c)(179)(B)(4)	11/27/1990	55 FR 49281
MD	107	Certification and Emissions Statements	MD	9/14/1992	Current	11/21/1992	40 CFR 52.220(c)(179)(B)(4)	5/26/2004	69 FR 29880
SC	107	Determination of Volatile Organic Compounds in Coating Material	RC		Bef 3/1/82	3/1/1982	40 CFR 52.220(c)(121)(a)(ii)(B)	10/11/1983	48 FR 46046
SC	108	Alternate Emission Control Plans	RC	None	4/6/1990	12/31/1990	40 CFR 52.220(c)(182)(A)(3)	8/30/1993	58 FR 45445
SC	109	Record keeping for Volatile Organic Compound Emissions	RC	None	Bef 09/92	9/14/1992	40 CFR 52.220(c)(189)(A)(6)	4/13/1995	60 FR 18751
SC	201	Permit to Construct	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	201	Permit to Construct	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	202	Temporary Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	202	Temporary Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	203	Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	203	Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	204	Permit Conditions	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
MD	204	Permit Conditions	SBC	7/25/1977	G-73				
SC	205	Cancellation of Application	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	205	Cancellation of Application	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	206	Posting of Permit to Operate	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	206	Posting of Permit to Operate	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	207	Altering or Falsifying of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	207	Altering or Falsifying of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	208	Permit for Open Burning	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	208	Permit for Open Burning	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
SC	209	Transfer and Voiding of Permit	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	209	Transfer and Voiding of Permit	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	212	Standards for Approving Permits	RC	7/25/1977 via Res. 94-03	5/1/1987	6/9/1987	40 CFR 52.220(c)(173)(A)(1)	2/3/1989	54 FR 5448
SB	212	Standards for Approving Permits	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237
SC	217	Provision for Sampling and Testing Facilities	RC	7/25/1977 via Res. 94-03	G-73	8/11/1980	FR Test	6/9/1982	47 FR 25013
SB	217	Provision for Sampling and Testing Facilities	SBC	7/25/1977	G-73	6/6/1977	40 CFR 52.220(c)(39)(iv)(B)	11/9/1978	43 FR 52237

Compliance Assurance Monitoring Plan

Searles Valley Minerals

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MD	FND	Fed Neg Dec - Plastic Parts Coating (Business Machines)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Plastic Parts Coating (other)	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Pneumatic Rubber Tire Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Polymer Manufacturing SOCM1 and Polymer manufacturing Equipment Leaks	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Process Unit Turnarounds	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Reactor Processes and Distillation Operations in SOCM1	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Ship Building	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Surface Coating of Cans	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Surface Coating of Coils	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Surface Coating of Fabrics	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Surface Coating of Large Appliances	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Surface Coating of Magnet Wire	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Surface Coating Operations at Automotive and Light Duty Truck Assembly Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Synthesized Pharmaceutical Products	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Synthetic Organic Chemical Manufacturing Batch Processing	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Synthetic Organic Chemical Manufacturing Industry	MD		Current	8/7/1995	40 CFR 52.222(a)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Synthetic Organic Chemical Manufacturing Reactors	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Synthetic Organic Chemical Polymer and Resin Manufacturing	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Vacuum Producing Devices	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - 2 CTGs for Miscellaneous Metal and Plastic Parts Coatings, Table 3—Plastic Parts and Products, and Table 4—Automotive/Transportation and Business Machine Plastic Parts	MD	4/23/2018	Current	7/16/2018	40 CFR 52.220(c)(519)(i)(A)(1) and 52.222(a)(1)(viii)	2/27/2020	85 FR 11812
MD	FND	Fed Neg Dec - 1 CTG for Miscellaneous Metal and Plastic Parts Coatings (EPA-453/R-08-003), Table 6—Motor Vehicle Materials	MD	10/2/2018	Current	12/7/2018	40 CFR 52.220(c)(531)(i)(A)(1) and 52.222(a)(1)(ix)	2/27/2020	85 FR 11812
MD	Title V	Program - Federal Operating Permits - Title V					40 CFR 70 App. A, California (0)(2)	12/17/2001	66 FR 65562

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Searles Valley Minerals

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MD	1160	Internal Combustion Engines	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(518)(v)(A)(7)	9/10/2021	86 FR 50643
MD	1161	Portland Cement Kilns	MD	6/18/2002			40 CFR 52.220(c)(390)(v)(A)(1)	2/27/2003	48 FR 9015
MD	1161	Portland Cement Kilns	MD	1/22/2018	(SIP Sub)	5/23/2018			
MD	1162	Polyester Renn Operations	MD	1/22/2018	8/7/2007	3/7/2008	40 CFR 52.220(c)(354)(v)(B)(1)	11/24/2008	73 FR 70883
MD	1162	Polyester Renn Operations	MD	1/22/2018	Current	5/23/2018	40 CFR 52.220(c)(519)(v)(A)(1)	2/27/2020	85 FR 11812
SC	1164	Semiconductor Manufacturing Operations	RC	None	Ref 10/1993			10/26/1993	58 FR 48459
MD	1165	Glass Melting Furnaces	MD	8/12/2008	Current	12/23/2008	40 CFR 52.220(c)(364)(v)(D)(1)	7/2/2012	77 FR 39181
MD	1168	Adhesive & Sealant Applications	MD	4/27/2020	(SIP Sub)	7/23/2020			
SC	1171	Solvent Cleaning	RC	None	SC Ref 5/91	6/19/1992	40 CFR 52.220(c)(188)(v)(C)(1)	12/20/1993	58 FR 66285
SC	1173	Fugitive Emissions of Volatile Organic Compounds	None	None	12/7/1990	6/18/1992	40 CFR 52.220(c)(189)(v)(C)(1)	12/20/1993	58 FR 66285
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	RC	None	SC Ref 5/91	??	40 CFR 52.220(c)(182)(v)(A)(1)	??	??
SC	1176	Sumps and Wastewater Separators	RC	None	Ref 12/1990	12/31/1990	40 CFR 52.220(c)(182)(v)(A)(1)	10/26/1992	57 FR 48459
MD	1200	General (Federal Operating Permit)	MD	2/28/2011					
MD	1201	Definitions (Federal Operating Permit)	MD	9/26/2005					
MD	1202	Applications	MD	9/26/2005					
MD	1203	Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1205	Modifications of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1206	Respeening, Renewance and Termination of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1207	Notice and Comment (Federal Operating Permit)	MD	9/26/2005					
MD	1208	Certification (Federal Operating Permit)	MD	9/26/2005					
MD	1209	Appeals (Federal Operating Permit)	MD	9/26/2005					
MD	1210	Acid Rain Provisions of Federal Operating Permits (Federal Operating Permit)	MD	9/26/2005					
MD	1211	Greenhouse Gas Provisions of Federal Operating Permits (Federal Operating Permit)	MD	2/28/2011					
MD	1300	General	MD		3/25/1996	7/23/1996	40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1300	General	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1301	Definitions	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1301	Definitions	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1302	Procedure	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1302	Procedure	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1303	Requirements	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Requirements	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1304	Emissions Calculations	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1303	Emissions Calculations	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1305	Emissions Offsets	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1305	Emissions Offsets	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1306	Electric Energy Generating Facilities	MD	3/25/1996	7/23/1996		40 CFR 52.220(c)(239)(v)(A)(1)	11/13/1996	61 FR 58133
MD	1306	Electric Energy Generating Facilities	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	1310	Federal Major Facilities and Federal Major Modifications	MD	Rescinded 3/22/21	(SIP Sub)	7/22/2021			
MD	1400	General (Emission Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(v)(C)	1/22/1997	62 FR 3215
MD	1401	Definitions (Emission Reduction Credits)	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(v)(C)	1/22/1997	62 FR 3215
MD	1402	Emission Reduction Credits Registry	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(v)(C)	1/22/1997	62 FR 3215
MD	1404	Emission Reduction Credit Calculations	MD	6/28/1995	Current	8/10/1995	40 CFR 52.220(c)(224)(v)(C)	1/22/1997	62 FR 3215
MD	1520	Control of Toxic Air Contaminants from Existing Sources	MD	3/25/2019	(SIP Sub)				
MD	1600	Prevention of Significant Deterioration	MD	3/22/2021	(SIP Sub)	7/22/2021			
MD	2001	Transportation Conformity	MD	2/22/1995	??				
MD	2002	General Federal Actions Conformity	MD	10/26/1994	Current	5/10/1996	40 CFR 52.220(c)(231)(v)(C)(1)	4/23/1999	64 FR 19916
MD	FND	Fed Neg Dec - Asphalt Air Blowing	MD		Current	12/20/1994	40 CFR 52.222(a)(1)(a)	9/11/1995	60 FR 47074
MD	FND	Fed Neg Dec - Air Oxidation Process - SO2CMI	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Chemical Processing & Manufacturing	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed Neg Dec - Chemical Processing & Manufacturing	SBC	5/25/1994	Current	12/29/1994		1/31/1995	60 FR 38
MD	FND	Fed Neg Dec - Equipment Leaks from Natural Gas/Gasoline Processing Plants	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Fugitive Emissions from Synthetic Organic chemical Polymer and Renn manufacturing Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(w)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Industrial Wastewater	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	1/11/1996	61 FR 56474
MD	FND	Fed Neg Dec - Large Petroleum Dry Cleaners	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Leaks from Petroleum Refinery Equipment	MD	1/22/2007	Current	7/11/2007	40 CFR 52.222(a)(1)(v)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Manufacture of High-Density Polyethylene, Polypropylene, and Polystyrene Renns	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(w)	5/20/2011	76 FR 29153
MD	FND	Fed Neg Dec - Natural Gas/Gasoline Processing Equipment	RC	5/25/1994 via Res. 94-03	Unknown				
MD	FND	Fed Neg Dec - Natural Gas/Gasoline Processing Equipment	SBC	5/25/1994	Current	7/13/1994	40 CFR 52.222(A)(1)(v)	1/31/1995	60 FR 38
MD	FND	Fed Neg Dec - Offset Lithography	MD		Current	8/7/1995	40 CFR 52.222(A)(1)(v)	11/1/1996	61 FR 56474
MD	FND	Fed Neg Dec - Orchard & Citrus Heaters	MD	6/24/1996	??				
MD	FND	Fed Neg Dec - Petroleum Refinery Equipment	MD	8/23/2010	Current	10/22/2010	40 CFR 52.222(a)(1)(w)	5/20/2011	76 FR 29153

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APPENDIX D
40 CFR PART 60 SUBPART 000
APPLICABLE PERMITS AND REQUIREMENTS

Subpart 000 – Standards of Performance for Nonmetallic Mineral Processing Plants: 40 CFR 60.672 Standard ~~For~~ Particulate Matter:

Stack Emissions Requirements for Units Constructed, Modified, or Reconstructed after August 31, 1983, but before April 22, 2008.

A. THE FOLLOWING PERMIT UNITS SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF 40 CFR 60 SUBPART 000:

1. C003656 BAGHOUSE, CONSOLIDATED PACKAGING & WAREHOUSE
2. C003428 BAGHOUSE, SODA ASH STORAGE BLDG # 6
3. C003668 BAGHOUSE (BICARB FB DRYER NO. 1 TRANS CONV NO. 1)
4. C003669 BAGHOUSE (BICARB FB DRYER NO. 1 TRANS CONV NO. 2)
5. C003670 BAGHOUSE (BICARB FB DRYER NO. 1 TRANSFER CONVEYOR NO.3)
6. C003667 BAGHOUSE (BICARB NO. 1 TRUCK FEED SCREW CONVEYOR)
7. C004542 BAGHOUSE (BICARB FB DRYER NO. 2 TRANS CONV NO. 1)
8. C004543 BAGHOUSE (BICARB FB DRYER NO.2 TRANS CONV NO. 2)
9. C004544 BAGHOUSE (BICARB FB DRYER NO. 2 TRANS CONV NO. 3)
10. C003673 BAGHOUSE (MONO FB NO. 1 DRYER-DEHYDRATOR)
11. C003675 BAGHOUSE (MONO FB DRYER NO.1 TRANSFER CONVEYOR NO. 1)
12. C003676 BAGHOUSE (MONO FB DRYER NO. 1 TRANSFER CONVEYOR NO. 2)
13. C003677 BAGHOUSE (MONO FB DRYER NO. 1 TRANSFER CONVEYOR NO. 3)

§60.672(a): Particulate Matter Emission Limit

Limit stack particulate matter (PM10) emissions to 0.022 gr/dscf for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions.

§60.672(a): Opacity Limit

Limit stack emission opacity to 7% for any transfer point for belt conveyors or any other affected facility, including multiple storage bins with combined stack emissions.

§60.675: Initial Compliance Testing

Perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 5 or Method 17 to determine compliance with the

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~~PM10 standard and use EPA Method 9 to determine compliance with opacity standard.~~

- ~~Particulate Matter Testing: The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.~~
- ~~Opacity Testing – Duration: For multiple storage bins with combined stack emissions, the minimum total time of observations shall be 3 hours (30 6-minute averages). The duration may be reduced from 3 hours to 1 hour if there are no individual readings greater than the opacity limit and there are no more than 3 readings greater than the opacity limit for the 1-hour period.~~
- ~~Opacity Testing – Method: The required observer position relative to the sun (Method 9, Section 2.1) must be followed.~~
- ~~Initial Testing Notification Requirement: A 30-day notice is required prior to the initial performance test. If, after 30 days' notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.~~

Fugitive Emissions Requirements for Units Constructed, Modified, or Reconstructed after August 31, 1983, but before April 22, 2008.

Applies to the following equipment:

B008672 SALT CRUSHING AND LOADING EQUIPMENT

B003955 SALT CRUSHING EQUIPMENT

B003655 CONSOLIDATED PACKAGING & WAREHOUSING FACILITY

T003427 STORAGE AREA, SODA ASH

B003665 DRYER SYSTEM, NO. 1 BICARBONATE FLUIDIZED BED

B004540 DRYER SYSTEM NO. 2 BICARBONATE FLUIDIZED BED

B003672 DRYER SYSTEM NO. 1 MONOHYDRATE FLUIDIZED BED

§60.672(b): Opacity Limit for Fugitive Emissions – Transfer Points

Limit fugitive emission opacity to 10% for any transfer point on belt conveyors or any other affected facility

§60.672(c): Opacity Limit for Fugitive Emissions – Uncontrolled Crusher

Limit fugitive emission opacity to 15% from any crusher at which a capture system is not used.

§60.672(d): Truck Dumping

Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from opacity limits.

§60.8 and §60.675: Initial Compliance Testing:

Perform initial compliance testing within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup and at such other times as may be required by the Administrator under Section 114 of the Clean Air Act. Conduct test under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. Use EPA Method 9 to determine compliance with opacity standard.

- o Opacity Testing – Duration: For transfer points on belt conveyors and any other affected facility, the minimum total time of observations shall be 3 hours (30 6- minute averages). The duration may be reduced from 3 hours to 1 hour if there are no individual readings greater than the opacity limit and there are no more than 3 readings greater than the opacity limit for the 1-hour period.
- o Opacity Testing – Method: The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.
- o Initial Testing Notification Requirement: A 30-day notice is required prior to the initial performance test. If, after 30 days' notice for an initially scheduled performance test, there is a delay in conducting any rescheduled performance test required in this section, the owner or operator of an affected facility shall submit a notice to the Administrator at least 7 days prior to any rescheduled performance test.

General Reporting and Recordkeeping Requirements

§60.7(a)(4): General Notification Requirements

Notify the Administrator of planned changes to the operation or equipment.

§60.7(b): Startup, Shutdown, & Malfunction Recordkeeping Requirements

Keep records of the occurrence and duration of any startup, shutdown, or malfunction in operation.

§60.11(c): Startup, Shutdown, & Malfunction Opacity Exemption

The opacity standards set forth in this part shall apply at all times except during periods of startup, shutdown, and malfunction.

§60.11(d): General Maintenance and Operation Requirements

At all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

§60.676(a): Equipment Replacement Reporting Requirement to Seek Exemption

Submit required information during equipment replacement to seek exemption of certain NSPS OOO provisions.

§60.676(f): Test Performance Results Reporting Requirement

Submit a written report of all performance tests conducted to demonstrate compliance with the PM and opacity standards.

§60.676(h): Anticipated Startup Date Reporting Requirement Exemption

The Subpart A requirement for notification of the anticipated date of initial startup is waived.

§60.676(i): Actual Startup Date Reporting Requirement

Notify the Administrator of the actual date of initial startup.

APPENDIX E
40 CFR PART 60 SUBPART D AND
40 CFR PART 63 SUBPART JJJJJ APPLICABLE PERMITS AND
REQUIREMENTS

40 CFR 60 SUBPART D

Standards Of Performance For Fossil-Fuel Fired Steam Generators For
Which Construction Is Commenced After August 17, 1971

A. THE FOLLOWING NSPS REQUIREMENTS APPLY TO ARGUS BOILER'S, MDAQMD
PERMIT'S B000555 AND B000554;

§60.42 Standard For Particulate Matter (applicable part):

(a) On and after the date on which the performance test required to be
conducted by §60.8 is completed, no owner or operator subject to the
provisions of this subpart shall cause to be discharged into the atmosphere
from any affected facility any gases which:

(a)(1) Contain particulate matter in excess of 43 nanograms per joule heat
input (0.10 lb per million Btu) derived from fossil fuel or fossil fuel and wood
residue.

(a)(2) Exhibit greater than 20 percent opacity except for one six-minute period
per hour of not more than 27 percent opacity.

[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976;
42 FR 61537, Dec. 5, 1977; 44 FR 76787, Dec. 28, 1979; 45 FR 36077, May
29, 1980; 45 FR 47146, July 14, 1980; 46 FR 57498, Nov. 24, 1981; 61 FR
49974, Sept. 24, 1996; 65 FR 61744, Oct. 17, 2000]

§60.43(a)(2) Standard For Sulfur Dioxide (applicable part):

(a) On and after the date on which the performance test required to be
conducted by §60.8 is completed, no owner or operator subject to the
provisions of this subpart shall cause to be discharged into the atmosphere
from any affected facility any gases which contain sulfur dioxide in excess of:

(a)(2) 520 nanograms per joule heat input (1.2 lb per million Btu) derived from
solid fossil fuel or solid fossil fuel and wood residue, except as provided in
paragraph (e) of this section.

[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976;
52 FR 28954, Aug. 4, 1987]

§60.44 Standard For Nitrogen Oxides (applicable part):

(a) On and after the date on which the performance test required to be
conducted by §60.8 is completed, no owner or operator subject to the
provisions of this subpart shall cause to be discharged into the atmosphere

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~~from any affected facility any gases which contain nitrogen oxides, expressed~~
~~as NO₂ in excess of:~~

~~(1) 86 ng/J heat input (0.20 lb/MMBtu) derived from gaseous fossil fuel.~~

~~(2) 129 ng/J heat input (0.30 lb/MMBtu) derived from liquid fossil fuel, liquid fossil fuel and wood residue, or gaseous fossil fuel and wood residue.~~

~~(3) 300 ng/J heat input (0.70 lb/MMBtu) derived from solid fossil fuel or solid fossil fuel and wood residue (except lignite or a solid fossil fuel containing 25 percent, by weight, or more of coal refuse).~~

~~(b) Except as provided under paragraphs (c), (d), and (e) of 60.44, when different fossil fuels are burned simultaneously in any combination, the applicable standard (in ng/J) is determined by proration using the formula in 60.44(b).~~

~~[39 FR 20792, June 14, 1974, as amended at 41 FR 51398, Nov. 22, 1976;
43 FR 9278, Mar. 7, 1978; 51 FR 42797, Nov. 25, 1986]~~

40 CFR §60.45 Emission And Fuel Monitoring (applicable part):

~~(a) Each owner or operator shall install, calibrate, maintain, and operate continuous monitoring systems for measuring the opacity of emissions, sulfur dioxide emissions, nitrogen oxides emissions, and either oxygen or carbon dioxide except as provided in paragraph (b) of this section.~~

~~(b) Certain of the continuous monitoring system requirements under paragraph (a) of this section do not apply to owners or operators under the following conditions:~~

~~(b)(1) For a fossil fuel-fired steam generator that burns only gaseous fossil fuel, continuous monitoring systems for measuring the opacity of emissions and sulfur dioxide emissions are not required .~~

~~(b)(2) For a fossil fuel-fired steam generator that does not use a flue gas desulfurization device, a continuous monitoring system for measuring sulfur dioxide emissions is not required if the owner or operator monitors sulfur dioxide emissions by fuel sampling and analysis.~~

~~(b)(3) Notwithstanding §60.13(b), installation of a continuous monitoring system for nitrogen oxides may be delayed until after the initial performance tests under §60.8 have been conducted. If the owner or operator demonstrates during the performance test that emissions of nitrogen oxides are less than 70 percent of the applicable standards in §60.44, a continuous monitoring system for measuring nitrogen oxides emissions is not required. If the initial performance test results show that nitrogen oxide emissions are greater than 70 percent of the applicable standard, the owner or operator shall install a continuous monitoring system for nitrogen oxides within one year after the date of the initial performance tests under §60.8 and comply with all other applicable monitoring requirements under this part.~~

~~(b)(4) If an owner or operator does not install any continuous monitoring systems for sulfur oxides and nitrogen oxides, as provided under paragraphs (b)(1) and (b)(3) or paragraphs (b)(2) and (b)(3) of this section a continuous~~

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$$E = CF[20.9/(20.9 - \text{percent O}_2)]$$

where:

E, C, F, and % O₂ are determined under paragraph (f) of this section.

(e)(2) When a continuous monitoring system for measuring carbon dioxide is selected, the measurement of the pollutant concentration and carbon dioxide concentration shall each be on a consistent basis (wet or dry) and the following conversion procedure shall be used:

$$E = CFc[100/\text{percent CO}_2]$$

where:

E, C, Fc and % CO₂ are determined under paragraph (f) of this section.

(f) The values used in the equations under paragraphs (e)(1) and (2) of this section are derived as follows:

(f)(1) E = pollutant emissions, ng/J (lb/million Btu).

(f)(2) C = pollutant concentration, ng/dscm (lb/dscf), determined by multiplying the average concentration (ppm) for each one-hour period by 4.15×10^4 M ng/dscm per ppm (2.59×10^{-9} M lb/dscf per ppm) where M = pollutant molecular weight, g/g-mole (lb/lb-mole). M = 64.07 for sulfur dioxide and 46.01 for nitrogen oxides.

(f)(3) % O₂, % CO₂ = oxygen or carbon dioxide volume (expressed as percent), determined with equipment specified under paragraph (a) of this section.

(f)(4) F, Fc = a factor representing a ratio of the volume of dry flue gases generated to the calorific value of the fuel combusted (F), and a factor representing a ratio of the volume of carbon dioxide generated to the calorific value of the fuel combusted (Fc), respectively. Values of F and Fc are given as follows:

(f)(4)(iv) For gaseous fossil fuels, $F = 2.347 \times 10^{-7}$ dscm/J (8,740 dscf/million Btu). For natural gas, propane, and butane fuels, $F_c = 0.279 \times 10^{-7}$ scm CO₂/J (1,040 scf CO₂/million Btu) for natural gas, 0.322×10^{-7} scm CO₂/J (1,200 scf CO₂/million Btu) for propane, and 0.338×10^{-7} scm CO₂/J (1,260 scf CO₂/million Btu) for butane.

(f)(5) The owner or operator may use the following equation to determine an F factor (dscm/J or dscf/million Btu) on a dry basis (if it is desired to calculate F on a wet basis, consult the Administrator) or Fc factor (scm CO₂/J, or scf CO₂/million Btu) on either basis in lieu of the F or Fc factors specified in paragraph (f)(4) of this section:

$$F = 10^{-6} \frac{[227.2 (\text{pct. H}) + 95.5 (\text{pct. C}) + 35.6 (\text{pct. S}) + 8.7 (\text{pct. N}) - 28.7 (\text{pct. O})]}{\text{GCV}}$$

$$F_c = 10^{-6} \frac{2.0 \times 10^{-5} (\text{pct. C})}{\text{GCV (SI units)}}$$

$$F = \frac{106[3.64(\% \text{ H}) + 1.53(\% \text{ C}) + 0.57(\% \text{ S}) + 0.14(\% \text{ N}) - 0.46(\% \text{ O})]}{\text{GCV (English units)}}$$

$$F = \frac{20.0(\% \text{ C})}{\text{GCV (English units)}}$$

$$F = \frac{20.0(\% \text{ C})}{\text{GCV (English units)}}$$

$$F = \frac{20.0(\% \text{ C})}{\text{GCV (English units)}}$$

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Fc = -----

GCV (SI units)

321 x 103(% C)

Fc = -----

GCV (English units)

(f)(5)(i) H, C, S, N, and O are content by weight of hydrogen, carbon, sulfur, nitrogen, and oxygen (expressed as percent), respectively, as determined on the same basis as GCV by ultimate analysis of the fuel fired, using ASTM D3178-73 (Reapproved 1979), 89, or D3176-74 or 89 (solid fuels) or computed from results using ASTM D1137-53 or 75, D1945-64, 76, 91, or 96 or D1946-77 or 90 (Reapproved 1994) (gaseous fuels) as applicable. (These five methods are incorporated by reference--see §60.17.)

(f)(5)(ii) GVC is the gross calorific value (kJ/kg, Btu/lb) of the fuel combusted determined by the ASTM test methods ASTM D2015-77 (Reapproved 1978), 96, or D5865-98 for solid fuels and ASTM D1826-77 or 94 for gaseous fuels as applicable. (These two methods are incorporated by reference--see 60.17.)

(f)(5)(iii) For affected facilities which fire both fossil fuels and nonfossil fuels, the F or Fc value shall be subject to the Administrator's approval.

(g) Excess emission and monitoring system performance reports shall be submitted to the Administrator semiannually for each six-month period in the calendar year. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period. Each excess emission and MSP report shall include the information required in §60.7(c). Periods of excess emissions and monitoring systems (MS) downtime that shall be reported are defined as follows:

(g)(1) Opacity. Excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 20 percent opacity, except that one six-minute average per hour of up to 27 percent opacity need not be reported.

(g)(1)(i) For sources subject to the opacity standard of §60.42(b)(1) excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 35 percent opacity, except that one six-minute average per hour of up to 42 percent opacity need not be reported.

(g)(1)(ii) For sources subject to the opacity standard of §60.42(b)(2) excess emissions are defined as any six-minute period during which the average opacity of emissions exceeds 32 percent opacity, except that one six-minute average per hour of up to 39 percent opacity need not be reported.

(g)(2) Sulfur dioxide. Excess emissions for affected facilities are defined as:

(g)(2)(i) Any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) of sulfur dioxide as measured by a continuous monitoring system exceed the applicable standard under §60.43.

(g)(3) Nitrogen oxides. Excess emissions for affected facilities using a continuous monitoring system for measuring nitrogen oxides are defined as any three-hour period during which the average emissions (arithmetic average of three contiguous one-hour periods) exceed the applicable standards under

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[40 FR 46256, Oct. 6, 1975; 61 FR 49974, Sept. 24, 1996; 64 FR 7458, Feb. 12, 1999; 65 FR 61744, Oct. 17, 2000]

40 CFR §60.46 Test Methods And Procedures (applicable part):

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (d) of this section.

(b) The owner or operator shall determine compliance with the particulate matter, SO₂, and NO_x standards in §§60.42, 60.43, and 60.44 as follows:

(b)(1) The emission rate (E) of particulate matter, SO₂, or NO_x shall be computed for each run using the following equation:

$$E = C Fd (20.9)/(20.9 - \% O_2)$$

E = emission rate of pollutant, ng/J (1b/million Btu).

C = concentration of pollutant, ng/dscm (1b/dscf).

% O₂ = oxygen concentration, percent dry basis.

Fd = factor as determined from Method 19.

(b)(2) Method 5 shall be used to determine the particulate matter concentration (C) at affected facilities without wet flue-gas-desulfurization (FGD) systems and Method 5B shall be used to determine the particulate matter concentration (C) after FGD systems.

(b)(2)(i) The sampling time and sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). The probe and filter holder heating systems in the sampling train shall be set to provide an average gas temperature of 160 ± 14 °C (320 ± 25 °F).

(b)(2)(ii) The emission rate correction factor, integrated or grab sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The O₂ sample shall be obtained simultaneously with, and at the same traverse points as, the particulate sample. If the grab sampling procedure is used, the O₂ concentration for the run shall be the arithmetic mean of the sample O₂ concentrations at all traverse points.

(b)(2)(iii) If the particulate run has more than 12 traverse points, the O₂ traverse points may be reduced to 12 provided that Method 1 is used to locate the 12 O₂ traverse points.

(b)(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

(b)(4) Method 6 shall be used to determine the SO₂ concentration.

(b)(4)(i) The sampling site shall be the same as that selected for the particulate sample. The sampling location in the duct shall be at the centroid of the cross section or at a point no closer to the walls than 1 m (3.28 ft). The sampling time and sample volume for each sample run shall be at least 20 minutes and 0.020 dscm (0.71 dscf). Two samples shall be taken during a 1-hour period, with each sample taken within a 30-minute interval.

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(b)(4)(ii) The emission rate correction factor, integrated sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The O₂ sample shall be taken simultaneously with, and at the same point as, the SO₂ sample. The SO₂ emission rate shall be computed for each pair of SO₂ and O₂ samples. The SO₂ emission rate (E) for each run shall be the arithmetic mean of the results of the two pairs of samples.

(b)(5) Method 7 shall be used to determine the NO_x concentration.

(b)(5)(i) The sampling site and location shall be the same as for the SO₂ sample. Each run shall consist of four grab samples, with each sample taken at about 15-minute intervals.

(b)(5)(ii) For each NO_x sample, the emission rate correction factor, grab sampling and analysis procedure of Method 3B shall be used to determine the O₂ concentration (% O₂). The sample shall be taken simultaneously with, and at the same point as, the NO_x sample.

(b)(5)(iii) The NO_x emission rate shall be computed for each pair of NO_x and O₂ samples. The NO_x emission rate (E) for each run shall be the arithmetic mean of the results of the four pairs of samples.

(c) When combinations of fossil fuels or fossil fuel and wood residue are fired, the owner or operator (in order to compute the prorated standard as shown in §§60.43(b) and 60.44(b)) shall determine the percentage (w, x, y, or z) of the total heat input derived from each type of fuel as follows:

(c)(1) The heat input rate of each fuel shall be determined by multiplying the gross calorific value of each fuel fired by the rate of each fuel burned.

(c)(2) ASTM Methods D2015-77 (Reapproved 1978), 96, or D5865-98 (solid fuels), D240-76 or 92 (liquid fuels), or D1826-77 or 94 (gaseous fuels) (incorporated by reference--see §60.17) shall be used to determine the gross calorific values of the fuels. The method used to the calorific value of wood residue must be approved by the Administrator.

(c)(3) Suitable methods shall be used to determine the rate of each fuel burned during each test period, and a material balance over the steam generating system shall be used to confirm the rate.

(d) The owner or operator may use the following as alternatives to the reference methods and procedures in this section or in other sections as specified:

(d)(1) The emission rate (E) of particulate matter, SO₂ and NO_x may be determined by using the F_c factor, provided that the following procedure is used:

(d)(1)(i) The emission rate (E) shall be computed using the following equation:

$$E = C F_c (100 / \% \text{ CO}_2)$$

where:

E = emission rate of pollutant, ng/J (lb/million Btu).

C = concentration of pollutant, ng/dscm (lb/dscf).

% CO₂ = carbon dioxide concentration, percent dry basis.

F_c = factor as determined in appropriate sections of Method 19.

(d)(1)(ii) If and only if the average F_c factor in Method 19 is used to calculate E and either E is from 0.97 to 1.00 of the emission standard or the relative

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accuracy of a continuous emission monitoring system is from 17 to 20 percent, then three runs of Method 3B shall be used to determine the O₂ and CO₂ concentration according to the procedures in paragraph (b)(2)(ii), (4)(ii), or (5)(ii) of this section. Then if F_o (average of three runs), as calculated from the equation in Method 3B, is more than ± 3 percent than the average F_o value, as determined from the average values of F_d and F_c in Method 19, i.e., $F_{oa} = 0.209 (F_{da}/F_{ca})$, then the following procedure shall be followed:

(d)(1)(ii)(A) When F_o is less than 0.97 F_{oa}, then E shall be increased by that proportion under 0.97 F_{oa}, e.g., if F_o is 0.95 F_{oa}, E shall be increased by 2 percent. This recalculated value shall be used to determine compliance with the emission standard.

(d)(1)(ii)(B) When F_o is less than 0.97 F_{oa} and when the average difference (d) between the continuous monitor minus the reference methods is negative, then E shall be increased by that proportion under 0.97 F_{oa}, e.g., if F_o is 0.95 F_{oa}, E shall be increased 2 percent. This recalculated value shall be used to determine compliance with the relative accuracy specification.

(d)(1)(ii)(C) When F_o is greater than 1.03 F_{oa} and when the average difference d is positive, then E shall be decreased by that proportion over 1.03 F_{oa}, e.g., if F_o is 1.05 F_{oa}, E shall be decreased by 2 percent. This recalculated value shall be used to determine compliance with the relative accuracy specification.

(d)(2) For Method 5 or 5B, Method 17 may be used at facilities with or without wet FGD systems if the stack gas temperature at the sampling location does not exceed an average temperature of 160 °C (320 °F). The procedures of sections 2.1 and 2.3 of Method 5B may be used with Method 17 only if it is used after wet FGD systems. Method 17 shall not be used after wet FGD systems if the effluent gas is saturated or laden with water droplets.

(d)(3) Particulate matter and SO₂ may be determined simultaneously with the Method 5 train provided that the following changes are made:

(d)(3)(i) The filter and impinger apparatus in sections 2.1.5 and 2.1.6 of Method 8 is used in place of the condenser (section 2.1.7) of Method 5.

(d)(3)(ii) All applicable procedures in Method 8 for the determination of SO₂ (including moisture) are used:

(d)(4) For Method 6, Method 6C may be used. Method 6A may also be used whenever Methods 6 and 3B data are specified to determine the SO₂ emission rate, under the conditions in paragraph (d)(1) of this section.

(d)(5) For Method 7, Method 7A, 7C, 7D, or 7E may be used. If Method 7C, 7D, or 7E is used, the sampling time for each run shall be at least 1 hour and the integrated sampling approach shall be used to determine the O₂ concentration (% O₂) for the ate correction factor.

(d)(6) For Method 3, Method 3A or 3B may be used.

(d)(7) For Method 3B, Method 3A may be used.

[54 FR 6662, Feb. 14, 1989; 54 FR 21344, May 17, 1989, as amended at 55 FR 5212, Feb. 14, 1990; 65 FR 61744, Oct. 17, 2000]

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CFR 63 Subpart JJJJJ

National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers 40 CFR Part 63 Subpart JJJJJ Title V Permit Conditions

A. THE FOLLOWING NESHAP REQUIREMENTS APPLY TO ARGUS BOILER’S, MDAQMD PERMIT’S B000555 AND B000554;

Applicability Determination: Boiler 25 (B000555) and Boiler 26 (B000554) are existing coal fired boiler (industrial) and both have a design maximum heat input capacity of 1025 MMBtu/hr located at area source. [40 CFR 63.11194(a) (1), 40 CFR 63.11200(a)]

EMISSION LIMITS

Table 1 to Subpart JJJJJ of Part 63—Emission Limits

Pursuant to §63.11201, the permittee must comply with the following applicable emission limits:

<u>If your boiler is in this subcategory.</u>	<u>For the following pollutants.</u>	<u>You must achieve less than or equal to the following emission limits, except during periods of startup and shutdown.</u>
<u>Existing coal-fired boilers with heat input capacity of 10 MMBtu/hr or greater that do not meet the definition of limited-use boiler</u>	<u>a. Mercury b. CO</u>	<u>2.2E-05 lb per MMBtu of heat input. 420 ppm by volume on a dry basis corrected to 3 percent oxygen (10 day rolling average).</u>

*Source may show compliance with mercury standard by fuel analyses per JJJJJJ.

WORK PRACTICE STANDARDS, EMISSION REDUCTION MEASURES, AND MANAGEMENT PRACTICES

Table 2 to Subpart JJJJJ of Part 63—Work Practice Standards, Emission Reduction Measures, and Management Practices

Pursuant to §63.11201, the permittee must comply with the following applicable work practice standards, emission reduction measures, and management practices:

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<u>If your boiler is in this subcategory.</u>	<u>You must meet the following</u>
<u>Existing or new coal-fired, new biomass-fired, or new oil-fired boilers (units with heat input capacity of 10 MMBtu/hr or greater)</u>	<u>Minimize the boiler's startup and shutdown periods and conduct startups and shutdowns according to the manufacturer's recommended procedures. If manufacturer's recommended procedures are not available, you must follow recommended procedures for a unit of similar design for which manufacturer's recommended procedures are available</u>
<u>Existing coal-fired, biomass-fired, or oil-fired boilers (units with heat input capacity of 10 MMBtu/hr and greater), not including limited-use boilers</u>	<u>Must have a one-time energy assessment performed by a qualified energy assessor. An energy assessment completed on or after January 1, 2008, that meets or is amended to meet the energy assessment requirements in this table satisfies the energy assessment requirement. Energy assessor approval and qualification requirements are waived in instances where past or amended energy assessments are used to meet the energy assessment requirements. A facility that operates under an energy management program compatible with ISO 50001 that includes the affected units also satisfies the energy assessment requirement. The energy assessment must include the following with extent of the evaluation for items (1) to (4)</u>
	<u>(1) A visual inspection of the boiler system,</u>
	<u>(2) An evaluation of operating characteristics of the affected boiler systems, specifications of energy use systems, operating and maintenance procedures, and unusual operating constraints.</u>
	<u>(3) An inventory of major energy use systems consuming energy from affected boiler(s) and which are under control of the boiler owner or operator,</u>
	<u>(4) A review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage.</u>
	<u>(5) A list of major energy conservation measures that are within the facility's control,</u>
	<u>(6) A list of the energy savings potential of the energy conservation measures identified, and</u>

<u>If your boiler is in this subcategory.</u>	<u>You must meet the following</u>
	<u>(7) A comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping those investments.</u>

(1) When demonstrating initial compliance with the mercury emission limit, if the mercury constituents in the fuel or fuel mixture are measured to be equal to or less than half of the mercury emission limit, you do not need to conduct further fuel analysis sampling until September 14, 2017, thereafter, you must conduct sampling for mercury every 12 months.

(2) When demonstrating initial compliance with the mercury emission limit, if the mercury constituents in the fuel or fuel mixture are greater than half of the mercury emission limit, you must conduct quarterly sampling.

Pursuant to §63.11224, if your boiler is subject to a CO emission limit in Table 1 to this subpart, you must install, operate, and maintain a CEMS for CO and oxygen according to the procedures in paragraphs (a)(1) through (6) of this section. Boilers that use a CO CEMS are exempt from the initial CO performance testing and oxygen concentration operating limit requirements specified in §63.11211(a) of this subpart.

(1) Each CO CEMS must be installed, operated, and maintained according to the applicable procedures under Performance Specification 4, 4A, or 4B at 40 CFR part 60, appendix B, and each oxygen CEMS must be installed, operated, and maintained according to Performance Specification 3 at 40 CFR part 60, appendix B. Both the CO and oxygen CEMS must also be installed, operated, and maintained according to the site-specific monitoring plan developed according to paragraph (c) of this section.

(2) You must conduct a performance evaluation of each CEMS according to the requirements in §63.8(e) and according to Performance Specifications 3 and 4, 4A, or 4B at 40 CFR part 60, appendix B.

(3) Each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) every 15 minutes. You must have CEMS data values from a minimum of four successive cycles of operation representing each of the four 15-minute periods in an hour, or at least two 15-minute data values during an hour when CEMS calibration, quality assurance, or maintenance activities are being performed, to have a valid hour of data.

(4) The CEMS data must be reduced as specified in §63.8(g)(2).

(5) You must calculate hourly averages, corrected to 3 percent oxygen, from each hour of CO CEMS data in parts per million CO concentrations and determine the 10-day rolling average of all recorded readings, except as provided in §63.11221(c). Calculate a 10-day rolling average

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from all of the hourly averages collected for the
10-day operating period using Equation 2 of this section.

$$\text{10-day average} = \frac{\sum_{i=1}^n Hpvi}{n} \quad (\text{Eq. 2})$$

Where:

Hpvi = the hourly parameter value for hour i

n = the number of valid hourly parameter values collected over 10 boiler operating days

(6) For purposes of collecting CO data, you must operate the CO CEMS as specified in §63.11221(b). For purposes of calculating data averages, you must use all the data collected during all periods in assessing compliance, except that you must exclude certain data as specified in §63.11221(c). Periods when CO data are unavailable may constitute monitoring deviations as specified in §63.11221(d).

Table 7 to Subpart JJJJJ of Part 63—Demonstrating Continuous Compliance

Pursuant to §63.11222, the permittee must show continuous compliance with the emission limitations for affected sources according to the following:

<u>If you must meet the following operating limits. . .</u>	<u>You must demonstrate continuous compliance by. . .</u>
<u>Fuel Pollutant Content</u>	<u>a. Only burning the fuel types and fuel mixtures used to demonstrate compliance with the applicable emission limit according to §63.11213 as applicable; and</u>
	<u>b. Keeping monthly records of fuel use according to §§63.11222(a)(2) and 63.11225(b)(4).</u>
<u>CO emissions</u>	<u>a. Continuously monitoring the CO concentration in the combustion exhaust according to §§63.11224 and 63.11221; and</u>
	<u>b. Correcting the data to 3 percent oxygen, and reducing the data to 1-hour averages; and</u>
	<u>c. Reducing the data from the hourly averages to 10-day rolling averages; and</u>
	<u>d. Maintaining the 10-day rolling average CO concentration at or below the applicable emission limit in Table 1 to this subpart.</u>

NOTIFICATION, REPORTING, AND RECORDKEEPING REQUIREMENTS

Pursuant to §63.11225, the permittee must comply with the following applicable requirements:

(a) You must submit the notifications specified in paragraphs (a)(1) through (3) of this section to the administrator.

(1) You must submit all of the notifications in §§63.7(b); 63.8(e) and (f); and 63.9(b) through (e), (g), and (h) that apply to you by the dates specified in those sections except as specified in paragraphs (a)(2) and (4) of this section.

(2) An Initial Notification must be submitted no later than January 20, 2014 or within 120 days after the source becomes subject to the standard.

(3) You must submit the Notification of Compliance Status no later than 120 days after the applicable compliance date specified in §63.11196. You must submit the Notification of Compliance Status in accordance with paragraphs (a)(4)(i) and (vi) of this section. The Notification of Compliance Status must include the information and certification(s) of compliance in paragraphs (a)(4)(i) through (v) of this section, as applicable, and signed by a responsible official.

(i) You must submit the information required in §63.9(h)(2), except the information listed in §63.9(h)(2)(i)(B), (D), (E), and (F).

(ii) “This facility complies with the requirements in §63.11214 to conduct an initial tune-up of the boiler.”

(iii) “This facility has had an energy assessment performed according to §63.11214(c).”

(iv) For units that install bag leak detection systems: “This facility complies with the requirements in §63.11224(f).”

(v) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act:

“No secondary materials that are solid waste were combusted in any affected unit.”

(vi) The notification must be submitted electronically using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written Notification of Compliance Status must be submitted to the Administrator at the appropriate address listed in §63.13.

(b) You must prepare, by March 1 of each year, and submit to the delegated authority upon request, an annual compliance certification report for the previous calendar year containing the information specified in paragraphs (b)(1) through (4) of this section. You must submit the report by March 15 if you had any instance described by paragraph (b)(3) of this section. For boilers that are subject only to a requirement to conduct a biennial or 5-year tune-up according to §63.11223(a) and not subject to emission limits or operating limits, you may prepare only a biennial or 5-year compliance report as specified in paragraphs (b)(1) and (2) of this

permit condition. (1) Company name and address.

(2) Statement by a responsible official, with the official's name, title, phone number, email address, and signature, certifying the truth, accuracy and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of this subpart. Your notification must include the following certification(s) of compliance, as applicable, and signed by a responsible official:

(i) “This facility complies with the requirements in §63.11223 to conduct a biennial or 5-year tune-up, as applicable, of each boiler.”

(ii) For units that do not qualify for a statutory exemption as provided in section 129(g)(1) of the Clean Air Act:

“No secondary materials that are solid waste were combusted in any affected unit.”

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(iii) “This facility complies with the requirement in §§63.11214(d) and 63.11223(g) to minimize the boiler's time spent during startup and shutdown and to conduct startups and shutdowns according to the manufacturer's recommended procedures or procedures specified for a boiler of similar design if manufacturer's recommended procedures are not available.”

(3) If the source experiences any deviations from the applicable requirements during the reporting period, include a description of deviations, the time periods during which the deviations occurred, and the corrective actions taken.

(4) The total fuel use by each affected boiler subject to an emission limit, for each calendar month within the reporting period, including, but not limited to, a description of the fuel, whether the fuel has received a non-waste determination by you or EPA through a petition process to be a non-waste under §241.3(c), whether the fuel(s) were processed from discarded non-hazardous secondary materials within the meaning of §241.3, and the total fuel usage amount with units of measure.

(c) You must maintain the records specified in paragraphs (c)(1) through (7) of this section.

(1) As required in §63.10(b)(2)(xiv), you must keep a copy of each notification and report that you submitted to comply with this subpart and all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.

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(2) You must keep records to document conformance with the work practices, emission reduction measures, and management practices required by §63.11214 and §63.11223 as specified in paragraphs (c)(2)(i) through (iii) of this permit condition.

(i) Records must identify each boiler, the date of tune-up, the procedures followed for tune-up, and the manufacturer's specifications to which the boiler was tuned.

(ii) For each boiler required to conduct an energy assessment, you must keep a copy of the energy assessment report.

(iii) For each boiler subject to an emission limit in Table 1 to this subpart, you must also keep records of monthly fuel use by each boiler, including the type(s) of fuel and amount(s) used.

(3) For sources that demonstrate compliance through fuel analysis, a copy of all calculations and supporting documentation that were done to demonstrate compliance with the mercury emission limits. Supporting documentation should include results of any fuel analyses. You can use the results from one fuel analysis for multiple boilers provided they are all burning the same fuel type.

(4) Records of the occurrence and duration of each malfunction of the boiler, or of the associated air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with the general duty to minimize emissions in §63.11205(a), including corrective actions to restore the malfunctioning boiler, air pollution control, or monitoring equipment to its normal or usual manner of operation.

(6) You must keep the records of all inspection and monitoring data required by §§63.11221 and 63.11222, and the information identified in paragraphs (c)(6)(i) through (vi) of this section for each required inspection or monitoring.

(i) The date, place, and time of the

monitoring event. (ii) Person

conducting the monitoring.

(iii) Technique or method used.

(iv) Operating conditions during the activity.

(v) Results, including the date, time, and duration of the period from the time the monitoring indicated a problem to the time that monitoring indicated proper operation.

(vi) Maintenance or corrective action taken (if applicable).

(d) Your records must be in a form suitable and readily available for expeditious review.

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~~You must keep each record for 5 years following the date of each recorded action. You must keep each record on-site or be accessible from a central location by computer or other means that instantly provide access at the site for at least 2 years after the date of each recorded action. You may keep the records off site for the remaining 3 years.~~

GENERAL PROVISIONS

~~Pursuant to §63.11235, Table 8 to this subpart shows parts of the General Provisions in §§63.1 through 63.15.~~