



FEDERAL OPERATING PERMIT

Permit No.: **44501112**

Company: **Northwest Pipe Company**

Facility: **Northwest Pipe Company**

Issue date: **TBD**

Expiration date: **TBD**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

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Signed and issued by

BRAD POIRIEZ

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER

PERMIT REVISIONS

January 2019 – Title V Renewal

The Mojave Desert Air Quality Management District received an application on December 6, 2018 to renew the current Title V Federal Operating Permit (FOP) for Northwest Pipe Company (NWP). The application was reviewed by the District and subsequently determined complete. Specific details pertaining to the renewal can be found in the Districts corresponding Statement of Legal and Factual Basis which supports this renewal.

by C. Anderson

April 3, 2017- Administrative Permit Amendment, described as follows;

Equipment description updates Permits; B011220, P010949, P010950, and P012517.

September 6, 2016- Administrative Permit Amendment, described as follows;

Off-site contact and contact information identified.

August 30, 2016- Minor Permit Modification, described as follows;

NWP proposes to install an additional dust collector (Permit C012589) to the existing abrasive blast cabinet and abrasive blast media reclaim system (Permit B003072) to facilitate efficiency of reclaim system. There are no proposed changes to the abrasive blast process. The new dust collector must meet BACT as NWP is a major source (non-Title V) for PM10. BACT determinations both internally and externally (RBLC/CARB/BAAQMD) were reviewed. The proposed baghouse meets achieved in practice BACT. Additional BACT control would not be cost effective. Dust collector (Permit C012589) along with conditions identifying all applicable requirements are proposed for addition this Title V permit, Part III, Section A, #21 (conditions 1-7).

To complete this permitting action, additional requirements have been placed on Permit B003072 establishing updated potential to emit for all units involved as well as recordkeeping and monitoring provisions. See Part III, Section A, #9 (conditions 7 & 8).

In a prior permitting action involving dust collector with permit C010045 and S010055, the District allowed frequency of testing to be reduced based on excellent performance of dust collector. This provision should have been mutual to both dust collectors and the District is updating permit S010055 with like provisions at this time. Part III Section A, #30, (condition 3).

Other Permit Changes;
Site contact change to M. Peay.

Changes made by C. Anderson

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PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name: NORTHWEST PIPE COMPANY

Owner Mailing Address: NORTHWEST PIPE COMPANY
12351 Rancho Road
Adelanto, CA 92301

Facility Names: NORTHWEST PIPE COMPANY

Facility Location: 12351 Rancho Road
Adelanto, CA 92301

Mailing Address: NORTHWEST PIPE COMPANY
12351 Rancho Road
Adelanto, CA 92301

Federal Operating Permit Number: 044501112

MDAQMD Company Number: 0445

MDAQMD Facility Number: 01112

Responsible Official: Mr. Bruce Akana
Operations Manager
760-246-3191

Facility "Site" Contacts: Mr. Dan Madden
EHS Coordinator
760-246-2205
dmadden@nwpipe.com

Facility "Off Site" Contacts: Stephanie Heldt-Sheller
Corporate Environmental Specialist
503-382-2324

Nature of Business: Fabricated Pipe and Fittings

SIC/NAICS: 3317/331210

Facility Location: UTM (Km) 465E / 3824N

B. DESCRIPTION OF FACILITY & PROCESSES:

Facility is a steel pipe manufacturing and coating facility. Rolls of steel coil are spiral welded into lengths of large diameter pipe. This pipe is then coated with tar, tape or concrete applied to the inside diameter, outside diameter or both. Particulate (PM, PM10, and PM2.5) and ozone precursors (NOx and VOC) emissions result from the process and are generally controlled by baghouse and scrubber.

C. EQUIPMENT LIST:

Permit #	Permit Type	Permit Desc.
A010044	Abrasive Blasting Equipment	INTERNAL PIPE BLASTING (CLEANING) EQUIPMENT
A010940	Abrasive Blasting Equipment	ABRASIVE BLASTER, PORTABLE (ABU#01)
A010941	Abrasive Blasting Equipment	ABRASIVE BLASTER, PORTABLE (ABU#02)
A010942	Abrasive Blasting Equipment	ABRASIVE BLASTER, PORTABLE (ABU#03)
A011075	Abrasive Blasting Equipment	ABRASIVE BLASTER, PORTABLE (ABU#06)
B002653	Basic	SMALL MILL (603)
B003065	Basic	LARGE MILL (605)
B003067	Basic	BELT LINER (CML)
B003068	Basic	LARGE COATER BATCH PLANT
B003069	Basic	PIPE COATING (LARGE CEMENT COATER - SMALL CART)
B003070	Basic	WHEEL LINER BATCH PLANT
B003071	Basic	COAL TAR ENAMEL SYSTEM
B003072	Basic	TAPE WRAP/BLAST CLEAN PROCESSING LINE
B003074	Basic	TAPE WRAP PROCESSING LINE (LATHE TYPE)
B003075	Basic	LARGE CEMENT COATER - LARGE CART PROCESSING LINE
B008800	Basic	VAPORATOR STEAM GENERATOR
B008998	Basic	MID COATER BATCH PLANT
B008999	Basic	SMALL COATER BATCH PLANT
B009000	Basic	BELT LINER BATCH PLANT
B009001	Basic	VAPORATOR STEAM GENERATOR
B009729	Basic	PIPE MANUFACTURING LINE (601)
B011220	Basic	POLYURETHANE PIPE COATING SYSTEM
B011787	Basic	ABRASIVE BLAST ENCLOSURE
B011875	Basic	PLASMA CUTTING TABLE
C002654	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE LARGE COATER

Permit #	Permit Type	Permit Desc.
C002655	Air Pollution Control Device	WATER SCRUBBER (“SMALL”)
C003073	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE
C003264	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE FOR WHEEL LINER BATCH PLANT
C007871	Air Pollution Control Device	SCRUBBER, COAL TAR LINE
C008994	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE FOR MID CEMENT COATER
C008995	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE FOR SMALL CEMENT COATER
C008996	Air Pollution Control Device	DUST COLLECTOR, CARTRIDGE FOR BELT LINER
C010045	Air Pollution Control Device	DUST COLLECTOR
C010049	Air Pollution Control Device	DUST COLLECTOR
C011213	Air Pollution Control Device	PARTICULATE FILTER ASSEMBLIES
C011789	Air Pollution Control Device	DUST COLLECTOR, ABRASIVE BLAST ENCLOSURE
C011876	Air Pollution Control Device	DUST/FUME COLLECTOR, PLASMA CUTTING TABLE
C012589	Air Pollution Control Device	DUST COLLECTOR #2, TAPE WRAP/BLAST CLEAN PROCESSING LINE
N004613	Gasoline Service Station - Non-Retail	GASOLINE DISPENSING FACILITY (NON-RETAIL)
P010945	Portable Spray Gun	SPRAY GUN
P010946	Portable Spray Gun	SPRAY GUN
P010947	Portable Spray Gun	SPRAY GUN
P010948	Portable Spray Gun	SPRAY GUN
P010949	Portable Spray Gun	SPRAY GUN
P010950	Portable Spray Gun	SPRAY GUN
P012517	Portable Spray Gun	PORTABLE SPRAY GUN
S010055	Spray Booth	SPRAY BOOTH
T002656	Tanks (or Silos)	WHEEL LINER SILOS
T002658	Tanks (or Silos)	LARGE COATER, SILO SYSTEM #6
T009738	Tanks (or Silos)	SILO, CEMENT (GUNNITE SILO #1)
T009739	Tanks (or Silos)	SILO, CEMENT

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 is required to operate this facility.
[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.
[District Rule 203 - *Permit to Operate*]
 3. The Air Pollution Control Officer 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 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 equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in District Rule 219 and meets the applicable criteria contained in District Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: District Rule 219 - *Equipment Not Requiring a Written Permit*]
 9. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[District Rule 221 - *Federal Operating Permit Requirement*]
 10. Owner/Operator shall pay all applicable MDAQMD permit fees.

[District Rule 301 - *Permit Fees*]

11. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.
[District Rule 312 - *Fees for Federal Operating Permits*]

12. Except as allowed by CCR Title 17 Sections 92000-92530, owner/operator shall not allow stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, greater than or equal to 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 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.
 - (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 USEPA 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*]

13. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having a sulfur content in excess of 0.5 percent by weight. Compliance with District Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with District Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

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

[District Rule 431 - *Sulfur Content of Fuels*]

14. 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*]

15. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter 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 diesel or PUC quality natural gas 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*]

16. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter 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*]

17. 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.

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

[District Rule 406 - *Specific Contaminants*]

18. 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*]

19. 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 which 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 Rule 402.

[District Rule 408 - *Circumvention*]

20. 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 25 consecutive minutes.

[District Rule 409 - *Combustion Contaminants*]

21. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which 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 which 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 District 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.

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

22. Owner/Operator of this facility shall comply with all applicable requirements of District Rule 442 and must 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 records for all VOC-containing materials 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 - *Usage of Solvents*]

23. 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 and which utilize volatile organic solvents. 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 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 1.
- (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.
 - (iii) 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 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 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) District Rule 442 Applicability:
Any solvent using operation or facility which is not subject to the source-specific District 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 District Rule 1104 shall be subject to the applicable provisions of District Rule 442.
- (h) Solvent Usage Records:
Owner/Operator subject to District Rule 1104 or claiming any exemption under District 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 District 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.
 - (3) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
- (4) 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.
[District Rule 1104 - *Organic Solvent Degreasing Operations*]
24. Owner/Operator's use of Architectural Coatings at this facility shall comply with the applicable requirements of District Rule 1113, including the VOC limits specified 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, 01/01/2013
Primary Coatings	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
Specialty Coatings	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 _a
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Preventative Coatings	250
Shellacs:	

Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340
Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340
a: Limit is expressed as VOC Actual in District Rule 1113(G)(1)(a)(ii)	

Table 2
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Effective January 1, 2013 the coating categories in Table 2 are eliminated and will be subject to the VOC limit of the applicable category in Table 1, except as provided in Section (C)(2), (C)(3), and (C)(5) of District Rule 1113.

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
Antenna Coatings	530
Antifouling Coatings	400
Clear Wood Coatings	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350
Fire-Retardant Coatings:	
Clear	650
Opaque	350
Flow Coatings	420
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers, and Undercoaters	200
Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550

Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400

[District Rule 1113 - *Architectural Coatings*]

25. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of District Rule 1115 by using equipment properly operated according to manufacturer's suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

26. 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:

VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS
(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

Coating	Air Dried g/L (lb/gal)	Baked g/L (lb/gal)
General	420 (3.5)	360 (3.0)
Military Specification	420 (3.5)	360 (3.0)
Etching Filler	420 (3.5)	420 (3.5)
Solar-Absorbent	420 (3.5)	360 (3.0)
Heat-Resistant	420 (3.5)	360 (3.0)
High-Gloss	420 (3.5)	360 (3.0)
Extreme High-Gloss	420 (3.5)	360 (3.0)
Metallic	420 (3.5)	420 (3.5)
Extreme Performance	420 (3.5)	360 (3.0)
<i>Prefabricated Architectural</i>		
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)
<i>High Performance</i>		
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)

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

27. The provisions of Part II, Condition A.26 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.
[District Rule 1115 - *Metal Parts and Products Coating Operations*]

28. The provisions of Part II, Conditions A.26 and A.27 shall not apply to:
 - (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
 - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
 - (c) Stencil coatings.
 - (d) Safety-indicating coatings.
 - (e) Magnetic data storage disk coatings.
 - (f) Solid-film lubricants.
 - (g) Adhesives.
 - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.
[District Rule 1115 - *Metal Parts and Products Coating Operations*]

29. Owner/Operator of any facility classified as exempt or claiming to be exempt under District Rule 1115, shall meet the record keeping requirements of District Rule 1115 so as to be able to certify the exemption status.
[District Rule 1115 - *Metal Parts and Products Coating Operations*]

30. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of District Rule 1115 shall comply with the provisions of District Rule 442 unless compliance with the limits specified in District Rule 1115 are achieved.
[District Rule 1115 - *Metal Parts and Products Coating Operations*]

31. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
 - (a) A person shall not use VOC-containing materials for Surface Preparation unless:
 - (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
 - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
 - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or

less, at 20 deg C (68 deg F).

- (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
- (c) Owner/Operator shall store fresh or spent solvent in closed containers.
- (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

32. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of District Rule 1115 that does not meet the limits and requirements of District Rule 1115. This requirement applies to all written or oral contracts.

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

33. Owner/Operator subject to Part II, Section A, conditions A.26 through A.39 shall comply with the following requirements:

- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
 - 1. coating, catalyst, and reducer used.
 - 2. mix ratio of components used.
 - 3. VOC content of coating as applied.
 - 4. quantity of Group II exempt compounds used.
- (b) Owner/Operator shall maintain records on a daily basis including:
 - 1. coating and mix ratio of components used in the coating; and
 - 2. quantity of each coating applied.
- (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
- (d) 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. [Rule 1203(D)(1)(d)(ii)]

[District Rule 1115 - *Metal Parts and Products Coating Operations*]

34. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.

[District Rule 1115 - *Metal Parts and Products Coating Operations*; 40 CFR 70.6

(a)(3)(i)(B) - Periodic Monitoring Requirements]

35. The Owner/Operator of any facility electing to engage in the mixing of coatings/ paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.

[District Rule 1115 - *Metal Parts and Products Coating Operations*; 40 CFR 70.6

(a)(3)(i)(B) - Periodic Monitoring Requirements]

36. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).
[Applicable via Title V Program interim approval 02/05/96 61 FR 4217]

B. FACILITYWIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS:

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title 5 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); District Rule 1203(D)(1)(d)(ii)].
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 a 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 is 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.]
4. Owner/Operator shall submit, annually, a Compliance Certification as prescribed by District Rule 1203(F)(1) and District Rule 1208 to the APCO/District, with a copy to the USEPA, Region IX Administrator. The Compliance Certification, submitted 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 that the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); District Rule 1203(D)(1)(g)(vii); District Rule 1203(F)(1); District Rule 1208]
 - (a) Owner/Operator shall include in any Compliance Certification the methods used

for monitoring such compliance.

[40 CFR 70.6(c)(5)(ii); District Rule 1203(D)(1)(g)(viii)]

- (b) Owner/Operator when submitting any Compliance Certification(s) to the MDAQMD shall contemporaneously submit such Compliance Certification(s) to USEPA Region IX Administrator.

[40 CFR 70.6(5)(iii); District Rule 1203(D)(g)(ix)]

- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 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.

- (e) The annual certification Compliance Certification period is March 17th of the previous year through March 16th of the current year, and shall be submitted no later than April 30th of each year.

[40 CFR 72.90.a and District Rule 1203 (D)(1)(g)(v - x)]

5. Owner/Operator shall submit, on a *semi-annual* basis, a *Monitoring Report* to the APCO/District, with a copy to the EPA Region IX Administrator. 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.

- (d) Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.

- (e) The semi-annual reporting period shall be submitted as follows:

- (i) March 17th through September 13th, due no later than October 31st of each year; and,

- (ii) September 14th through March 16th, due no later than April 30th of each year.

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

6. 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.

[Rule 1203(D)(1)(e)(ii) and 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: 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)]

- 7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement at the time of permit issuance or renewal, then owner/operator shall obtain a *Schedule of Compliance* approved by the APCO. 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 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.

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

- 8. 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]

C. FACILITYWIDE 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(c)(2)(i); District Rule 1203(D)(1)(g)(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(c)(2)(ii); District Rule 1203(D)(1)(g)(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(c)(2)(iii); District Rule 1203(D)(1)(g)(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(c)(2)(iv); District Rule 1203(D)(1)(g)(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 Rule 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]
8. Owner/Operator shall notify 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 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]

10. Owner/Operator shall comply with all requirements of District Rule 3011 - 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.
[District Rule 1211]

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

**A. INTERNAL PIPE BLASTING (CLEANING) EQUIPMENT- MDAQMD PERMIT
A010044 – consisting of:**

Selmers Abrasive Blaster, including a 114 hp wheel capable of throwing 1100 pounds of abrasive per minute. Blasting media shall be CARB approved steel shot and/or grit. Equipment located within a building vented to two Donaldson Dust collectors, Model numbers DF04-64, and 4DF-80 operating under District Permits C010045, and C010049.

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.
[District Rule 1302(C)(2)(a)]
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 noted below.
[District Rule 1302(C)(2)(a)]
3. The abrasive blast enclosure (building) shall not be operated unless vented to functioning air pollution control device(s) operating under valid District Permit(s), C010045, and/or C010049.
[District Rule 401; District Rule 403; District Regulation XIII, basis BACT and cumulative increase]
4. The abrasive blast enclosure (building) must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.
[Basis District Rule 401; District Rule 403; BACT]
5. This unit shall only use steel shot abrasive media that is exempt from certification requirements of the California Air Resources Board (CARB).
[District Regulation XIII, basis cumulative increase]
6. Abrasive blasting operations shall not discharge into the atmosphere emissions which have an opacity of 10% or greater for more than three minutes in any one hour.
[District Rule 1302(C)(2)(a)]
7. The o/o shall maintain a log which contains the mass of abrasive blast materials used, dates, and times of use. The log shall be maintained current, on-site for a minimum of

five years and provided to District personnel on request.

[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii); BACT]

8. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, on a yearly basis, which is to be received by the District no later than April 30 of each year.

[District Rule 1302(C)(2)(a)]

B. SMALL MILL (603) - MDAQMD PERMIT # B002653 – consisting of:

48" Mill rated at 500 tons/day.

Outside flux recovery

Inside flux recovery

Welder inside No. 1

Welder inside No. 2

Welder outside No. 1

Welder outside No. 2

Welder butt seam

Crane

Plasma power unit No. 1

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
[District Rule 1302(C)(2)(a)]
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

C. LARGE MILL (605) – MDAQMD PERMIT # B003065 – consisting of:

150" Mill rated at 500 tons/day:

Main Drive Rolls

Secondary Drive Rolls

Coil Box Drive

Scrap conveyor

Outside flux conveyor

Inside flux conveyor

Milling head east

Milling head west

Plasma power unit No. 2

Welder inside No. 1

Welder inside No. 2

Welder inside No. 3
Welder outside No. 1
Welder outside No. 2
Welder outside No. 3
Welder butt seam No. 1
Welder butt seam No. 2
Hydraulic Power Unit (off-boring)

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
[District Rule 1302(C)(2)(a)]
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

D. BELT LINER (CML) – MDAQMD PERMIT # B003067 – consisting of:

Rated at 500 tons/day:
AC Pump
AC Pump
Blower
Charging Cart Travel
Charging Cart Pump
Hydraulic Power Unit
Overhead Crane

1. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
2. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

E. LARGE COATER BATCH PLANT – MDAQMD PERMIT # B003068 – consisting of:

Wet cement, rated at 500 tons/day:
Mixer
Cement Screw
Sand Elevator

Rebound Conveyor 1
Rebound Conveyor 2
Rebound Conveyor 3
Thrower
Feed Screw
Baghouse blower

1. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]
2. The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to Rules 401, 402, and 403.
[District Rule 1302(C)(2)(a)]
3. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002654.
[District Rule 1302(C)(2)(a)]
4. This facility shall not produce more than 500 ton of lined, coated or wrapped pipes per day.
[District Rule 1302(C)(2)(a)]
5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
6. The owner/operator (o/o) shall maintain a log which contains at least the following information:
 - a. hours per day this line operated;
 - b. amount in tons of lined and/or coated pipe produced each calendar day;
 - c. amount of cement and/or raw materials used each day;
 - d. Monthly visible emission observations taken on the system to include the date and result (using USEPA Method 22, and USEPA Method 9 if a Method 22 detects opacity) which must be conducted while the equipment is producing materials; and
 - e. all maintenance activities.The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

F. PIPE COATING (LARGE CEMENT COATER - SMALL CART) – MDAQMD PERMIT # B003069 – consisting of:

Rated at 500 tons/day:
Lathe cart Hydraulic Power Unit

Lathe cart Travel Drive Motor
Lathe cart Rotation Motor

1. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1203(D)(1)(d)(ii)]

2. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

G. BATCH PLANT WHEEL LINER – MDAQMD PERMIT # B003070 – consisting of:

Wet mortar, rated at 500 tons/day:

Mixer

Bucker elevator

Baghouse blower for C003264

1. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]
2. The owner/operator shall comply with all applicable Rules and Regulations of the District. Applicable rules include, but are not necessarily limited to Rules 401, 402, and 403.
[District Rule 1302(C)(2)(a)]
3. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C003264.
[District Rule 1302(C)(2)(a)]
4. This facility shall not produce more than 500 ton of lined, coated or wrapped pipes per day.
[District Rule 1302(C)(2)(a)]
5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
6. The owner/operator (o/o) shall maintain a log which contains at least the following information:
 - a. hours per day this line operated;
 - b. amount in tons of lined and/or coated pipe produced each calendar day;
 - c. amount of mortar and/or raw materials used each day;

- d. monthly visible emission observations taken on the system to include the date and result (using USEPA Method 22, and USEPA Method 9 if a Method 22 detects opacity) which must be conducted while the equipment is producing materials; and
- e. all maintenance activities.

[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.

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

H. COAL TAR ENAMEL SYSTEM – MDAQMD PERMIT # B003071 – consisting of:

Rated at 500 tons/day: The coal tar enamel system was part of the original design and at one time was part of ATC B002653.

Travel – Cart Drive – 5 hp

Rotation – Cart Drive – 75 hp

Wire Holdback Brush – 10 hp

Wire Holdback Brush – 10 hp

Coal Tar Pump – 15 hp

1. Construction and/or installation of the coal tar system shall conform with the originally design emission limits and equipment process rate (500 ton/day) and is further restricted to the use of 4,500 gal/day of hot coal tar enamel.
[District Rule 1302(C)(2)(a); 40 CFR Part 64- CAM]
2. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002655 and C007871.
[District Rule 1302(C)(2)(a)]
3. The owner/operator (o/o) shall maintain a log, which contains at least the following information: amount in tons of pipe produced by each line each day, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
4. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

I. TAPE WRAP/BLAST CLEAN PROCESSING LINE – MDAQMD PERMIT # B003072 – consisting of:

Conveyor drive motors – 16 @ 5.0 bhp ea.

Hydraulic power unit

Abrasive Blast unit, Pangborn, model 240-DD-HR1

Thrower motor No. 1

Thrower motor No. 2

Screw Conveyor
Bucket Elevator

Primer applicator is a Polyken YGIII System, with one Naphtha nozzle and a flow rate of 4 gph and uses plant air.

Tape wrapper is a Polyken YGIII System which can apply layers of tape.

Tape cart drive

1. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]
2. This abrasive blast unit shall not be operated unless vented to air pollution control equipment operating under valid District permit C003073 and C012589.
[District Rule 1302(C)(2)(a)]
3. This abrasive blast unit shall only use steel shot and/or grit.
[District Rule 1302(C)(2)(a)]
4. The rubber seals on the abrasive blast unit shall be maintained in good working order to prevent the release of particulate matter.
[District Rule 1302(C)(2)(a)]
5. The total amount of organic solvents (Rule 102) that can be released to the atmosphere by this facility is limited to 250 lb/day.
[Basis Regulation XIII, amended version 9/5/1980]
6. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal personnel upon request and shall contain the following information at a minimum:
 - a. Amount in tons of pipe produced by each line each day;
 - b. Amount and type of primer, solvent and wrap used;
 - c. Solvent content and reactive/non-reactive nature of each primer and other solvent-containing material used;
 - d. Daily reactive and non-reactive emissions in pounds;
 - e. Pressure drops across the pollution control equipment;
 - f. All maintenance activities; and
 - g. Monthly hours of operation (summarized annually).[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
7. This abrasive blast system, which includes permit units C003073 and C012589, shall not exceed 4380 operating hours (equivalent to PM10 emissions of 2,278 pounds) in any one year (rolling 12 month summary).
[Rule 1303(A) BACT; Rule 1303(B); Rule 404; 40 CFR Part 64- CAM]

8. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed unit operating time.
[District Rule 1302]

J. TAPE WRAP PROCESSING LINE (LATHE TYPE) – MDAQMD PERMIT # B003074 – consisting of:

For 120" diameter pipe

Cart Travel & Rotation Motors on B003075

Primer applicator: Polyken YGIII System, with one nozzle having a flow rate of 4 gph using plant air.

Tape wrapper: Polyken YGIII System to apply layers of tape.

Tape car drive – 5 bhp

1. The total amount of photochemically reactive organic solvents (Rule 102) that can be released to the atmosphere by this tape wrap operation is limited to 39.6 lb/day.
[Basis District Rule 442 (amended version 5/23/1979)]
2. The total amount of organic solvents (Rule 102) that can be released to the atmosphere by this facility is limited to 250 lb/day.
[District Rule 1302; District Rule 1303 (from 1986 version)]
3. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal personnel upon request and shall contain the following information at a minimum:
 - a. Amount in tons of pipe produced by each line each day;
 - b. Amount and type of primer, solvent and wrap used;
 - c. Solvent content and reactive/non-reactive nature of each primer and other solvent-containing material used;
 - d. Daily reactive and non-reactive emissions in pounds; and,
 - e. All maintenance activities.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

K. LARGE CEMENT COATER - LARGE CART PROCESSING LINE – MDAQMD PERMIT # B003075 – consisting of:

120' diameter pipe.

Hydraulic power unit – car drive

Travel Drive Motor

1. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five

(5) years and provided to District personnel on request.
[District Rule 1203(D)(1)(d)(ii)]

2. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

L. VAPORATOR STEAM GENERATOR - MDAQMD PERMIT # B008800 - consisting of:

VE Corp., Model 70/4B, 7 MMBtu/hr Vaporator with four pre-mix forced draft natural gas burners.

Air Compressor (100 hp)

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.
[District Rule 1302(C)(2)(a)]
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 1302(C)(2)(a)]
3. This equipment shall be fired on natural gas only.
[District Rule 1302(C)(2)(a); District Rule 431]
4. The owner/operator (o/o) shall maintain an operations log for this equipment that includes the dates of operation, the type of operation, and maximum firing rate on each day. This log shall be maintained current and on-site for five years and provided to the District, State and federal personnel upon request.
[District Rule 1157(E)(2); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
5. This steam generator shall be operated in accordance with District Rule 1157- Boilers and Process Heaters. Specifically, o/o shall meet RACT standards for low annual heat input unit of District Rule 1157(C)(3)(b) and through recordkeeping specified in condition 4 above.
[District Rule 1157(C)(3)(b)]

M. MID COATER BATCH PLANT - MDAQMD PERMIT # B008998 - consisting of:

One EconoBATCH batch plant with electronic controls. The cement storage silo has a passive reverse pulse-cleaned cartridge filter bin vent (C&W Model LPR-6-S with six 8" by 39" polyester cartridges totaling 293 square feet of filter area).

Aggregate Bin

Sand Transfer Conveyor

Cement Storage Silo

Cement Storage Silo Bin Vent

Cement Transfer Screw Conveyor
Cement and Water Weigh Batcher
Concrete Mixer
Rebound Conveyor 1
Rebound Conveyor 23
Rebound Conveyor 3
Electric Thrower Motor

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 contaminants.
[District Rule 1302(C)(2)(a)]
 2. The o/o shall conduct a minimum program of inspection and maintenance on the silo bin vent, and shall maintain an operations log for 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. Date and amount (in tons) of each cement delivery to the facility;
 - b. Quarterly cartridge and cartridge suspension system inspection date and results;
 - c. Date of cartridge replacements; and,
 - d. Date and nature of any system repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
 3. This equipment shall not be charged with cement unless vented through properly operating silo bin vent.
[District Rule 1302(C)(2)(a)]
 4. The owner/operator (o/o) shall maintain on-site a minimum inventory of replacement cartridges for the silo bin vent that assures compliance with these conditions.
[District Rule 1302(C)(2)(a); Basis to ensure compliance with District Rule 401]
 5. Total amount of cement charged to equipment at this facility shall not exceed 187 ton per day.
[District Rule 1302(C)(2)(a)]
 6. This equipment shall not mix a cement product unless vented to the dust collector with valid District permit C008994.
[District Rule 1302(C)(2)(a)]
- N. **SMALL COATER BATCH PLANT - MDAQMD PERMIT # B008999 - consisting of:**
One EconoBATCH batch plant with electronic controls. The cement storage silo has a passive reverse pulse-cleaned cartridge filter bin vent (C&W Model LPR-6-S with six 8" by 39" polyester cartridges totaling 293 square feet of filter area).
Aggregate Bin

Sand Transfer Conveyor
Cement Storage Silo
Cement Storage Silo Bin Vent
Cement Transfer Screw Conveyor
Cement and Water Weigh Batcher
Concrete Mixer
Rebound Conveyor 1
Rebound Conveyor 23
Rebound Conveyor 3
Electric Thrower Motor

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 contaminants.
[District Rule 1302(C)(2)(a)]
 2. The o/o shall conduct a minimum program of inspection and maintenance on the silo bin vent, and shall maintain an operations log for 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. Date and amount (in tons) of each cement delivery to the facility;
 - b. Quarterly cartridge and cartridge suspension system inspection date and results;
 - c. Date of cartridge replacements; and,
 - d. Date and nature of any system repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
 3. This equipment shall not be charged with cement unless vented through properly operating silo bin vent.
[District Rule 1302(C)(2)(a)]
 4. The owner/operator (o/o) shall maintain on-site a minimum inventory of replacement cartridges for the silo bin vent that assures compliance with these conditions.
[District Rule 1302(C)(2)(a); Basis to ensure compliance with District Rule 401]
 5. Total amount of cement charged to equipment at this facility shall not exceed 187 ton per day.
[District Rule 1302(C)(2)(a)]
 6. This equipment shall not mix a cement product unless vented to the dust collector with valid District permit C008995.
[District Rule 1302(C)(2)(a)]
- O. BELT LINER BATCH PLANT - MDAQMD PERMIT # B009000 - consisting of:**

One EconoBATCH batch plant with electronic controls. The cement storage silo has a passive reverse pulse-cleaned cartridge filter bin vent (C&W Model LPR-6-S with six 8" by 39" polyester cartridges totaling 293 square feet of filter area).

Aggregate Bin
Sand Transfer Conveyor
Cement Storage Silo
Cement Storage Silo Bin Vent
Cement Transfer Screw Conveyor
Cement and Water Weigh Batcher
Concrete Mixer

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 contaminants.
[District Rule 1302(C)(2)(a)]
2. The o/o shall conduct a minimum program of inspection and maintenance on the silo bin vent, and shall maintain an operations log for 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. Date and amount (in tons) of each cement delivery to the facility;
 - b. Quarterly cartridge and cartridge suspension system inspection date and results;
 - c. Date of cartridge replacements; and,
 - d. Date and nature of any system repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
3. This equipment shall not be charged with cement unless vented through properly operating silo bin vent.
[District Rule 1302(C)(2)(a)]
4. The owner/operator (o/o) shall maintain on-site a minimum inventory of replacement cartridges for the silo bin vent that assures compliance with these conditions.
[District Rule 1302(C)(2)(a); Basis to ensure compliance with District Rule 401]
5. Total amount of cement charged to equipment at this facility shall not exceed 187 ton per day.
[District Rule 1302(C)(2)(a)]
6. This equipment shall not mix a cement product unless vented to the dust collector with valid District permit C008996.
[District Rule 1302(C)(2)(a)]

P. VAPORATOR STEAM GENERATOR - MDAQMD PERMIT # B009001 - consisting of:

Kraft Energy Model 2S, 2 MMBtu/hr, natural gas fueled.

2 MMBtu/hr Vaporator

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.
[District Rule 1302(C)(2)(a)]
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 1302(C)(2)(a)]
3. This equipment shall be fired on natural gas only.
[District Rule 1302(C)(2)(a)]; District Rule 431]
4. The owner/operator (o/o) shall maintain an operations log for this equipment that includes the total annual operation of the unit in hours or fuel burned. This log shall be maintained current and on-site for five years and provided to the District, State and federal personnel upon request.
[District Rule 1203(D)(1)(d)(ii)]

Q. PIPE MANUFACTURING LINE (601) - MDAQMD PERMIT # B009729 – consisting of:

Spiral Pipe Mill 8" - 24".
Main Drive
Inside Welder
Outside Welder
Inside Flux Recovery
Outside Flux Recovery
Hydraulic Power Unit
Forming Rolls Adjust

1. This facility shall produce no more than 500 tons of lined and coated steel pipe per day.
[District Rule 1302(C)(2)(a)]
2. The owner/operator (o/o) shall maintain a log, which contains at least the following information: hours each line operated, amount in tons of pipe produced by each line, and all maintenance activities. The log shall be kept current, on-site for a minimum of five (5) years and provided to District personnel on request.
[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii)]
3. This equipment shall be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
[District Rule 1302(C)(2)(a)]

R. DUST COLLECTOR, CARTRIDGE LARGE COATER – MDAQMD PERMIT # C002654 – consisting of:

A C&W Model CP-100 cartridge-type, reverse pulse-cleaned dust collector equipped with one 12.75" by 27" polyester cartridge of 110 square feet filter area and blown by a three hp fan generating 350 cfm of flow (for an air to cloth ratio of 3.2:1). This device serves the large coater batch plant mixer (B003068).

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 1302(C)(2)(a)]
2. This equipment shall operate concurrently with the Large Coater Batch Plant (B003068).
[District Rule 1302(C)(2)(a)]
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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if a Method 22 detects opacity);
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Weekly reading of dust collector pressure drop, date and value;
 - d. Date of bag replacements; and,
 - e. Date and nature of any system repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
5. This equipment shall discharge no more than 0.03 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A) BACT]
6. The o/o shall maintain on-site a minimum inventory of replacement cartridges that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]
7. This equipment shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c)]
- S. **WATER SCRUBBER, ("SMALL") – MDAQMD PERMIT # C002655 – consisting of:**

Model CL-SC-60 (8'W x 8'H x 25'L), Center Line Equipment and Consulting, Inc. or equivalent, high-pressure water (220 gpm at 60 psig), air flow at 14,430 SCFM. Control for Hot Coal Tar emissions consisting of the following or equivalent:

Water Reservoir: 3,500 gallons

Fog Nozzles, 35 (BETE TF8-FCN) at 3.2 gpm each

Marlow Water Pump, model 37-Hei-110, max 220 gpm at 60 psig; with electric motor - 15 hp

Fans, two tube axle fans each with a 5 hp motor - 10 hp

Sump Heater, NAG Fired (750,000 btu/h)

1. This equipment must be operated in strict accord with manufacturer's specifications and/or good engineering principles at any time the Coat Tar Enamel System (B003071) is being used to apply a coal tar coat to pipes.
[District Rule 1302(C)(2)(a)]
2. The water flow to this scrubber shall be equal to or greater than 112 gallons per minute at 60 psig.
[District Rule 1302(C)(2)(a); ensures compliance with District Rule 401 and 404; 40 CFR Part 64 - CAM]
3. The scrubber shall be equipped with pressure gauge and water flow meter to allow for the measurements of the water flow and pressure.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c); 40 CFR Part 64 - CAM]
4. The pressure drop across this scrubber shall be within the manufacturer's or design recommended range of 0.1" to 6.0" W.C.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c); 40 CFR Part 64 - CAM]
5. The scrubber shall be equipped with pressure gauge to allow for the measurements of the pressure drop across the scrubber.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c); 40 CFR Part 64 - CAM]
6. The owner/operator 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 water flow rate and pressure drop readings across the scrubber; and,
 - b. Date and nature of any system inspections and repairs, including those required below.

[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii); 40 CFR Part 64 - CAM]

T. DUST COLLECTOR, CARTRIDGE - MDAQMD PERMIT # C003073 – consisting of:

C003073: Manufactured by Hoffman Blast Room Equipment, Inc., model No. CPJ-45.DC for concurrent use with B003072 which consists of:

Type filters: Cartridges

Filter media: Resin impregnated cellulose fibers
No. of filters: 20 cartridges
Filter Area: 226 Sq. Ft/filter; 4520 sq. ft - total
Air flow rate: 6,000 CFM
Air to cloth ratio: 1.327 to 1
Fan and motor: Chicago blower with 10 bhp drive motor

Manufactured by Donaldson Torit and consisting of a Downflo Oval, Model 2DF8, Serial No. TQ 368239-002.

Dust collector consists of:

Type: Pulse jet

Type filters: Ultra-Web or equivalent cartridges

Filter media: Nano-fibers

No. of filters: 8 cartridges

Filter Area: 906 Sq. Ft

Air flow rate: 6,000 CFM

Air to cloth ratio: 3.3 to 1

Fan and motor: 10 hp

1. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[District Rule 1302(C)(2)(a)]
2. This equipment shall operate concurrently with B003072.
[District Rule 1302(C)(2)(a); 40 CFR Part 64 - CAM]
3. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). In operation, the differential pressure drop shall be maintained between 0.2 to 6.0 inches water column.
[District Rule 1303; 40 CFR Part 64 - CAM]
4. The owner/operator shall conduct a minimum program of inspection and maintenance on this equipment. The owner/operator 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 pressure differential recording;
 - b. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if a Method 22 detects opacity);
 - c. Quarterly bag and bag suspension system inspection date and results;
 - d. Date of bag replacements; and,
 - e. Date and nature of any system inspections and repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii); 40 CFR Part 64 - CAM]
5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits

greater than twenty percent opacity.
[District Rule 401]

6. This equipment shall discharge no more than 0.51 pounds per hour of PM₁₀ at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]

7. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]

U. DUST COLLECTOR, CARTRIDGE FOR WHEEL LINER – MDAQMD PERMIT # C003264 – consisting of:

A C&W Model CP-100 cartridge-type, reverse pulse-cleaned dust collector equipped with one 12.75" by 27" polyester cartridge of 110 square feet filter area and blown by a three hp fan generating 350 cfm of flow (for an air to cloth ratio of 3.2:1). This device serves the wheel liner batch plant mixer (B003070).

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 1302(C)(2)(a)]
2. This equipment shall operate concurrently with the Wheel Liner Batch Plant (B003070).
[District Rule 1302(C)(2)(a)]
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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if a Method 22 detects opacity);
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Weekly reading of dust collector pressure drop, date and value;
 - d. Date of bag replacements; and,
 - e. Date and nature of any system repairs.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
5. This equipment shall discharge no more than 0.04 pounds per hour of PM₁₀ at a

maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]

6. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]

7. This equipment shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c)(ii)]

V. SCRUBBER-COAL TAR LINE – MDAQMD PERMIT # C007871 –consisting of:

A Centerline Equipment unit which consists of at least the following: 2 New York blowers size tubular Acusta Foil fans of 30,000 ACFM each and whose motors are rated at 20 hp each; water reservoir of 15,000 gallon capacity with a Peerless pump model C830AMBF rate at max 600 gallons/min at 90 psi with a 40 hp drive motor; 112 fog nozzles, Bete TF8-FCN, rated at 3.2 gallons/min each. The necessary electrical, ducting from permitted unit B003071, water connections and instrumentation are included.

1. This equipment shall be operated in strict accord with manufacturer's specifications and/or good engineering principles and simultaneously with the Coat Tar Enamel System (B003071, which is used to apply a coal tar coat to pipes) and Scrubber C002655.
[District Rule 1302(C)(2)(a)]
2. The water flow to this scrubber shall be equal to or greater than 350 gallons per minute at 90 psig.
[Basis ensures compliance with District Rule 401 and 404; 40 CFR Part 64 - CAM]
3. The pressure drop across this scrubber shall be within the manufacturer's design range of 0.1" to 6.0" W.C.
[District Rule 1302(C)(2)(a); 40 CFR Part 64 - CAM]
4. The scrubber shall be equipped with a differential pressure gauges to allow for the measurements of the gas flow pressure drop across the scrubber.
[District Rule 1302(C)(2)(a); 40 CFR Part 64 - CAM]
5. The owner/operator 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 water flow rate and pressure drop readings across the scrubber; and,
 - b. Date and nature of any system inspections and repairs, including those required below.

[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); 40 CFR Part 64 - CAM]

W. DUST COLLECTOR, CARTRIDGE FOR MID CEMENT COATER - MDAQMD PERMIT # C008994 – consisting of:

A C&W Model CP-100 cartridge-type, reverse pulse-cleaned dust collector equipped with one 12.75" by 27" polyester cartridge of 110 square feet filter area and blown by a two hp fan generating 350 cfm of flow (for an air to cloth ratio of 3.2:1). This device serves the cement batch plant mixer (B008998).

1. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[District Rule 1302(C)(2)(a)]
2. This equipment shall operate concurrently with the Cement Batch Plant (B008998).
[District Rule 1302(C)(2)(a)]
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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if Method 22 detects opacity);
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Date of bag replacements; and,
 - d. Date and nature of any system repairs.
 - e. Weekly pressure differential reading date and result, during each calendar week in which the unit operated.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
5. This dust collector shall discharge no more than 0.03 pounds per hour of PM₁₀ at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a)]
6. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]
7. The o/o shall install and maintain a manometer measuring the pressure differential across the cartridges.

[District Rule 1302(C)(2)(a)]

**X. DUST COLLECTOR, CARTRIDGE FOR SMALL CEMENT COATER -
MDAQMD PERMIT # C008995 – consisting of:**

A C&W Model CP-100 cartridge-type, reverse pulse-cleaned dust collector equipped with one 12.75" by 27" polyester cartridge of 110 square feet filter area and blown by a two hp fan generating 350 cfm of flow (for an air to cloth ratio of 3.2:1). This device serves the cement batch plant mixer (B008999).

1. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[District Rule 1302(C)(2)(a)]
2. This equipment shall operate concurrently with the Cement Batch Plant (B008999).
[District Rule 1302(C)(2)(a)]
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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if Method 22 detects opacity);
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Date of bag replacements; and,
 - d. Date and nature of any system repairs.
 - e. Weekly pressure differential reading date and result, during each calendar week in which the unit operated.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
5. This dust collector shall discharge no more than 0.03 pounds per hour of PM₁₀ at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]
6. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]
7. The o/o shall install and maintain a manometer measuring the pressure differential across

the cartridges.

[District Rule 1302(C)(2)(a)]

Y. DUST COLLECTOR, CARTRIDGE FOR BELT LINER - MDAQMD PERMIT # C008996 – consisting of:

A C&W Model CP-100 cartridge-type, reverse pulse-cleaned dust collector equipped with one 12.75" by 27" polyester cartridge of 110 square feet filter area and blown by a two hp fan generating 350 cfm of flow (for an air to cloth ratio of 3.2:1). This device serves the cement batch plant mixer (B009000).

1. This equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[District Rule 1302(C)(2)(a)]
2. This equipment shall operate concurrently with the Cement Batch Plant (B009000).
[District Rule 1302(C)(2)(a)]
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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if Method 22 detects opacity);
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Date of bag replacements; and,
 - d. Date and nature of any system repairs.
 - e. Weekly pressure differential reading date and result, during each calendar week in which the unit operated.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
4. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
5. This dust collector shall discharge no more than 0.03 pounds per hour of PM₁₀ at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]
6. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]

7. The o/o shall install and maintain a manometer measuring the pressure differential across the cartridges.
[District Rule 1302(C)(2)(a)]

- Z. DUST COLLECTOR– MDAQMD PERMIT # C010045 –consisting of:**
FILTER HOUSE FOR INTERNAL BLAST EQUIPMENT, including a Donaldson Torit Model 4DF80 Dust Collector, 162" H X 58" X 85" D equipped with 80 filter cartridges for a total filter area of 18,080 sq ft. Dust Collector is powered by a 100 hp motor with a flow rate of 23,000 cfm.

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.
[District Rule 1302(C)(2)(a)]

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 noted below.
[District Rule 1302(C)(2)(a)]

3. This dust collector and/or the dust collector operating under District Permit C010049 shall be functioning at all times that the Abrasive Blasting equipment covered under Permit A010044 is in operation.
[District Rule 1302(C)(2)(a)]

4. The owner/operator (o/o) shall have a maintenance plan for this control device. This plan, at a minimum, shall require a log which includes visual emissions determination on a weekly basis, recording of differential pressures across the dust collector and inspection/repairs frequency.
[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii)]

5. The o/o shall maintain an inventory of filter cartridges on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[District Rule 1302(C)(2)(a)]

6. The o/o shall log all filter cartridge replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of five years and provided to District personnel on request.
[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii)]

7. The o/o shall conduct compliance emissions tests relative to District Rules 404, 405, and 1303 within 90 days of startup, and at least once every twelve (12) month period thereafter (or as allowed below). After the o/o has demonstrated compliance for two consecutive tests and maintains the equipment in compliance with operating conditions specified herein, the o/o may reduce the frequency of subsequent compliance tests to at least once every 36 month period (triennial). If the result of any subsequent triennial

compliance test indicates the equipment is not in compliance with the particulate matter emission limits or the o/o fails to maintain equipment in compliance with conditions specified herein, the o/o must resume annual compliance tests. The o/o shall conduct emissions testing for particulates in strict accord with all procedures described in the District's Compliance Test Procedural Manual, and as outlined in Condition 8 below.

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 Rule 404 and 405; District Rule 1302(C)(2)(a); District Rule 1303(A)-BACT]

8. PM-10 emissions from this device and those from devices permitted as C010045 and S010055 were offset with simultaneous emission reductions (SER's) using this facilities gravel surface improvement project. To ensure compliance with NSR requirements of regulation XIII the o/o shall demonstrate using source test data and/or operation in accordance with permit conditions specified herein that the combined emissions from this device and those from C010045 and S010055 are less than 284 lbs of PM-10 per calendar year. PM-10 source testing shall be accomplished using EPA Method 5 or Method 17, and moisture quantified using EPA Method 4, during PM sampling.

[District Rule 1302(C)(2)(a); District Rule 1303(B)]

9. This equipment shall not operate more than 4160 hours/year; 16 hrs/day, 5 days/week, 52 weeks per year.

[District Rule 1302(C)(2)(a)]

AA. DUST COLLECTOR– MDAQMD PERMIT # C010049 – consisting of:

FILTER HOUSE FOR INTERNAL BLAST EQUIPMENT, including a Donaldson Torit Model DF04-64, Serial IG928228-001, Dust Collector, 165" H X 165" W X 84" D equipped with 64 filter cartridges for a total filter area of 12,160 sq ft. Dust Collector is powered by a 100 hp motor with a flow rate of 23,000 cfm.

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.

[District Rule 1302(C)(2)(a)]

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 noted below.

[District Rule 1302(C)(2)(a)]

3. This dust collector and/or the dust collector operating under District Permit C010045 shall be functioning at all times that the Abrasive Blasting equipment covered under Permit A010044 is in operation.
[District Rule 1302(C)(2)(a)]
4. The owner/operator (o/o) shall have a maintenance plan for this control device. This plan, at a minimum, shall require a log which includes visual emissions determination on a weekly basis, recording of differential pressures across the dust collector and inspection/repairs frequency.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
5. The o/o shall maintain an inventory of filter cartridges on-site at all times which will ensure compliance with applicable Rules of District Regulation IV.
[District Rule 1302(C)(2)(a)]
6. The o/o shall log all filter cartridge replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of five years and provided to District personnel on request.
[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii)]
7. The o/o shall conduct compliance emissions tests relative to Rules 404, 405, and 1303 within 90 days of startup, and at least once in each twelve (12) month period thereafter. After the o/o has demonstrated compliance for two consecutive tests and maintains the equipment in compliance with the conditions specified herein, the o/o may reduce the frequency of subsequent compliance tests to at least once every thirty-six (36) month period (triennially). If the result of any subsequent triennial compliance test indicates the equipment is not in compliance with the particulate matter emission limits or the o/o fails to maintain equipment in compliance with conditions specified herein, the o/o must resume annual compliance tests. The o/o shall conduct emissions testing for particulates in strict accord with all procedures described in the District's Compliance Test Procedural Manual, and as outlined in Condition 8 below.

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 Rule 404 and 405; District Rule 1302(C)(2)(a); District Rule 1303(A)-BACT]

8. PM-10 emissions from this device and those from devices permitted as C010045 and

S010055 were offset with simultaneous emission reductions (SER's) using this facilities gravel surface improvement project. To ensure compliance with NSR requirements of regulation XIII the o/o shall demonstrate using source test data and/or operation in accordance with permit conditions specified herein that the combined emissions from this device and those from C010045 and S010055 are less than 284 lbs of PM-10 per calendar year. PM-10 source testing shall be accomplished using EPA Method 5 or Method 17, and moisture quantified using EPA Method 4, during PM sampling.
[District Rule 1302(C)(2)(a); District Rule 1303(B)]

9. This equipment shall not operate more than 4160 hours/year; 16 hrs/day, 5 days/week, 52 weeks per year.
[District Rule 1302(C)(2)(a)]

BB. GASOLINE DISPENSING FACILITY (NON-RETAIL) – MDAQMD PERMIT # N004613 – consisting of:

<i>Capacity</i>	<i>Fuel Type</i>	<i>Underground</i>
500	87U	NO
2500	Diesel	NO

This gasoline dispensing facility (GDF) has a historical monthly throughput of less than 10,000 gallons of gasoline. GDF with a throughput less than 10,000 gallons/month must comply with the following provisions of 40 CFR 63, Subpart CCCCC, *Gasoline Dispensing Facilities*.

[40 CFR 63.11111(b) – *NESHAP for GDF*]

1. Do not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
 - a. Minimize gasoline spills;
 - b. Clean up spills as expeditiously as practicable;
 - c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
 - d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.[40 CFR 63.11116(a) – *NESHAP for GDF*]
2. Have records available within 24 hours of a request by the Administrator to document gasoline throughput.
[40 CFR 63.11116(b) – *NESHAP for GDF*]
3. Quarterly maintenance inspections shall be conducted in accordance with a District-approved protocol to ensure proper operating conditions of all components of the vapor recovery systems.
[40 CFR 70.6 (a)(3)(B) – *Periodic Monitoring*]

4. A log shall be maintained containing:

- a. Quarterly inspection records;
- b. A description of any maintenance or repairs resulting from the inspection.
[40 CFR 70.6 (a)(3)(B) – *Periodic Monitoring*]

5. The owner or operator shall include in this facility's annual compliance report, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with § 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred.
[Derived from 40 CFR 63.11126 – *NESHAP for GDF*]

District and State Enforceable Only

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 (C)(3)]
2. 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 five (5) years and shall be available to the District upon request.
[District Rule 461 (E)(1)]
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 (C)(2)]
4. The vapor vent pipes are to be equipped with pressure relief valves.
[District Rule 461 (C)(2)]
5. The owner or operator shall conduct and pass the following tests at least once every twelve (12) month using the latest adopted version of the required test procedures:
 - a. Pressure Decay Tests per CARB test method TP-201.3B.
 - b. Liquid Removal Test (if applicable) per TP-201.6.

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 (C)(1)(c)]

6. The annual throughput of gasoline shall not exceed 500,000 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.

[District Rule 1320 - NSR for Toxic Air Contaminants; District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

7. The o/o shall maintain and operated this equipment in compliance with CARB Executive Order G-70-116-F.

CC. SPRAY BOOTH – MDAQMD PERMIT # S010055 – consisting of:

An in house fabricated enclosure, 13' W by 4' L by 14' H powered by an 1.5 hp exhaust fan, (8) 2' by 2' by 4" thick inlet filters and two stages of exhaust filters, 8 each; 2' by 2' by 4" thick.

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.
[District Rule 1302(C)(2)(a)]
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 noted below.
[District Rule 1302(C)(2)(a)]
3. The o/o shall conduct compliance emissions tests relative to Rules 404, 405, and 1303 within 90 days of startup, and at least once every twelve (12) month period thereafter (or as allowed below). After the o/o has demonstrated compliance for two consecutive tests and maintains the equipment in compliance with conditions specified herein, the o/o may reduce the frequency of subsequent compliance tests to once every thirty-six (36) month period (triennially). If the result of any subsequent triennial compliance test indicates the equipment is not in compliance with the particulate matter emission limits or the o/o fails to maintain equipment in compliance with conditions specified herein, the o/o must resume annual compliance tests. The o/o shall conduct emissions testing for particulates in strict accord with all procedures described in the District's Compliance Test Procedural Manual, and as outlined in Condition 4 below.

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 Rule 404 and 405; District Rule 1302(C)(2)(a); District Rule 1303(A)-BACT]

4. PM-10 emissions from this device and those from devices permitted as C010045 and C010049 were offset with simultaneous emission reductions (SER's) using this facilities gravel surface improvement project. To ensure compliance with NSR requirements of regulation XIII the o/o shall demonstrate using source test data that the combined emissions from this device and those from C010045 and C010049 are less than 284 lbs of PM-10 per calendar year. PM-10 source testing shall be accomplished using EPA Method 5 or equivalent with prior District approval, and moisture quantified using EPA Method 4, during PM sampling.
[District Rule 1302(C)(2)(a); District Rule 1303(B)]
5. Material safety data sheets (MSDS) for all coatings and solvents used at this facility shall be kept current and made available to District personnel upon request. The coating material shall be 100% solids, and shall not contain any VOC's.
[District Rule 1302(C)(2)(a)]
6. The o/o shall not use any coating that contains hexavalent chromium or cadmium (Section 17 CCR 93112 - Airborne Toxic Control Measure for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Mobile Equipment Coatings). Compliance with this condition shall be verified by the retention of MSDS sheets (or equivalent documentation of chemical content) for every applicable coating used at the facility for five (5) years, and provision of said information to District, State or Federal personnel upon request. *District and State Enforceable Only*
7. Total emissions of Hazardous Air Pollutants (HAP) from all permitted equipment and any other HAP emissions at this facility shall be less than ten (10) tons per twelve months for any single HAP and less than 25 tons per twelve months for any combination of HAPs, calculated monthly on a rolling twelve-month basis.
[District Rule 1302(C)(2)(a); District Rule 222]

DD. TWIN SILO SYSTEM WHEEL LINER – MDAQMD PERMIT # T002656 – consisting of:

Twin-member mortar silos with integrated bin vent system

Twin-member mortar silos;

10' diameter x 18'H (8' H cylinder and 10'H sloping conical section) on a 18'H supporting structure

10' diameter x 18'H (8' H cylinder and 10'H sloping conical section) on a 18'H supporting structure

Bin vent;
Manufacturer: Donaldson Co., Inc., Torit Division
Model No.: Torit TD 486
Airflow Rate: 500 CFM
Filter: Cartridge filters - 9 ea.
Filter Area: 486 ft² total
Filter Media: Pleated, non-woven filter media
Dust Arrestance: 99.8% (efficiency)
Air to cloth ratio: 1.03:1

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 1302(C)(2)(a)]
2. These silos shall not be operated unless vented to a properly functioning integral bin vent system.
[District Rule 1302(C)(2)(a)]
3. Total amount of cement charged to equipment at this facility shall not exceed 187 ton per day.
[District Rule 1302(C)(2)(a)]
4. The o/o shall maintain a daily operating log which contains at least the following information:
 - a. hours per day this line operated,
 - b. amount in tons of pipe produced by each line,
 - c. amount of mortar and/or raw materials used, and
 - d. all maintenance activities.A copy of the log shall be kept on-site for at least five (5) years and made available to the District upon request by authorized District personnel.
[District Rule 1203(D)(1)(d)(ii); District Rule 1302(C)(2)(a)]
5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
6. The o/o shall conduct a minimum program of inspection and maintenance on this bin vent. 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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if Method 22 detects opacity) which must be conducted while the equipment is being charged;
 - b. Quarterly bag and bag suspension system inspection date and results;
 - c. Weekly reading of dust collector pressure drop, date and value;

- d. Date of bag replacements; and,
- e. Date and nature of any system repairs.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

- 7. This equipment shall discharge no more than 0.04 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]
- 8. This equipment shall be equipped with a device to measure the pressure differential across the bin vent system (manometer).
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i)]
- 9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
District Rule 1302(C)(2)(a)]

EE. LARGE COATER, SILO SYSTEM #6 – MDAQMD PERMIT # T002658 – consisting of:

Cement silo

10' diameter x 18'H (Silo w/ 10,000 gallons capacity).

Bin Vent System

Flex-Kleen model 36BV, serial No. 2148

Bags, 25 cotton, 3'L x 6" diameter (112 ft² of cloth)

Air-to-Cloth Ratio: 4.46:1 (500 SCFM air from pump on servicing truck)

Air outlet, 6" diameter, 40' above grade

Reverse pulse jet cleaning

- 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 1302(C)(2)(a)]
- 2. This silo shall not be operated unless vented to a properly functioning integral bin vent system.
[District Rule 1302(C)(2)(a)]
- 3. Total amount of cement charged to equipment at this facility shall not exceed 187 ton per day.
[District Rule 1302(C)(2)(a)]
- 4. The o/o shall maintain a daily operating log which contains at least the following information:

- a. Hours per day this line operated;
- b. Amount in tons of lined and/or coated pipe produced by each line;
- c. Amount of cement and/or raw materials used; and,
- d. All maintenance activities.

A copy of the log shall be kept on-site for at least five (5) years and made available to the District upon request by authorized District personnel.

[District Rule 1203(D)(1)(d)(ii); District Rule 1302(C)(2)(a)]

5. This facility shall not produce more than 500 ton of lined, coated or wrapped pipes per day.

District Rule 1302(C)(2)(a)]

6. The o/o shall conduct a minimum program of inspection and maintenance on this bin vent. 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. Monthly dust collector stack observation date and result (using USEPA Method 22, and USEPA Method 9 if Method 22 detects opacity) which must be conducted while the equipment is being charged;
- b. Quarterly bag and bag suspension system inspection date and results;
- c. Weekly reading of dust collector pressure drop, date and value;
- d. Date of bag replacements; and,
- e. Date and nature of any system repairs.

[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

7. This equipment shall discharge no more than 0.04 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). 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 1302(C)(2)(a); District Rule 1303(A)-BACT]

8. This equipment shall be equipped with a device to measure the pressure differential across the bin vent system (manometer).

[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c)(ii)]

9. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.

[District Rule 1302(C)(2)(a)]

FF. SILO, CEMENT (GUNNITE SILO #1) – MDAQMD PERMIT # T009738 – consisting of:

Cement Silo, cylindrical, steel construction, with a cone shaped bottom for delivery to the Gunnite system. 10' dia x 12' long Volumetric Capacity = 900 cu.ft. @ 94 lb/cu.ft. = 42 ton Weight Capacity, equipped with a pneumatic loading system exhausting through a Donaldson Torit, Model TD-486 Bin Vent Dust Collector.

1. All flanges, seals, blowers, and other necessary equipment shall be installed and maintained to prevent fugitive emissions.
[Basis District Rule 401 and 405]
2. This equipment shall not be operated unless storage silo is venting to a properly functioning bin vent dust collector.
[Basis District Rule 401 and 405; District Rule 1302(C)(2)(a)]
3. Cement unloading shall only occur through a properly operating pneumatic truck unloading system, venting to properly operated and maintained Bin Vent.
[Basis District Rule 401 and 405; District Rule 1302(C)(2)(a)]
4. This equipment and associated operations shall not discharge an exhaust stream that exhibits opacity greater than ten percent.
[District Rule 1302(C)(2)(a); District Rule 401]
5. The o/o shall maintain on-site a minimum inventory of filter media that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]
6. The owner/operator (o/o) shall operate this equipment in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1302(C)(2)(a)]
7. The bin vent shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c)(ii)]
8. Owner/operator must monitor pressure drop, as a minimum, on a weekly basis - recording pressure drop, date and value in a log. The log must be maintained current and on-site for five (5) years provided to District personnel upon request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

GG. SILO, CEMENT – MDAQMD PERMIT # T009739 – consisting of:

Cement Silo, cylindrical, steel construction, with a cone shaped bottom for delivery to the Gunnite system. 8' dia x 10' long Volumetric Capacity = 500 cu.ft. @ 94 lb/cu.ft. = 24 ton Weight Capacity, equipped with a pneumatic loading system exhausting through a Donaldson Torit, Model TD-486 Bin Vent Dust Collector.

1. All flanges, seals, blowers, and other necessary equipment shall be installed and maintained to prevent fugitive emissions.
[District Rule 204]
2. This equipment shall not be operated unless storage silo is venting to a properly

functioning bin vent dust collector.

[Basis District Rule 401 and 405; District Rule 1302(C)(2)(a)]

3. Cement unloading shall only occur through a properly operating pneumatic truck unloading system, venting to properly operated and maintained Bin Vent.
[Basis District Rule 401 and 405; District Rule 1302(C)(2)(a)]
4. This equipment and associated operations shall not discharge an exhaust stream that exhibits opacity greater than ten percent.
[District Rule 1302(C)(2)(a); District Rule 401]
5. The o/o shall maintain on-site a minimum inventory of filter media that assures compliance with these conditions.
[District Rule 1302(C)(2)(a)]
6. The owner/operator (o/o) shall operate this equipment in compliance with all data and specifications submitted with the application under which this permit is issued.
[District Rule 1302(C)(2)(a)]
7. The bin vent shall be equipped with a device to measure the pressure differential across the bags (manometer).
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(c)(ii)]
8. Owner/operator must monitor pressure drop, as a minimum, on a weekly basis - recording pressure drop, date and value in a log. The log must be maintained current and on-site for five (5) years provided to District personnel upon request.
[[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

HH. ABRASIVE BLASTER, PORTABLE – MDAQMD PERMIT #'s A010940, A010941, A010942, and A011075 – consisting of:

ABU #1 (A010940) Kelco Model MN K114 single chamber dry sandblast machine powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inches.

ABU #2 (A010941) a Clemco Model 1648 single chamber dry sandblast machine powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inches.

ABU #3 (A010942) a Clemco Model 2024 single chamber dry sandblast machine, 6.0 cu ft capacity, powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inches.

ABU #6 (A011075) Portable single chamber abrasive blast unit manufactured by Cadillac Products, 3.5-5 gallon (or ~0.5 cu ft) capacity, Model No. QB2 V0002, Serial No. TBD,

fed by plant air at maximum 100 psig. Nozzle diameter 1/2 inch O.D.

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.
[District Rule 1302(C)(2)(a)]
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 noted below.
[District Rule 1302(C)(2)(a)]
3. The combined total operating hours of portable abrasive blast units; A010940, A010941, A010942, and A011075, shall not exceed 800 hours per calendar year.
[District Rule 1302(C)(2)(a)(iii) - SERs utilized]
4. This facility shall comply with District Rules 401, 402, and 403, which corresponds to Visible Emissions, Nuisance, and Fugitive Dust, respectively.
5. The owner/operator shall maintain a log which contains at a minimum the following information. The log shall be maintained current, on-site for a minimum of five years and provided to District, State or Federal personnel on request.
 - a. type of abrasive blast material used;
 - b. Substrate of item to be blasted;
 - c. Blast nozzle diameter;
 - d. Operating pressure in psi;
 - e. Dimensions of each type of item to be blasted;
 - f. Blasting conditions for each type of item blasted, i.e. fully enclosed, open outdoor;
 - g. Date and duration (in hours) of use; and,
 - h. Cumulative hours of operation per calendar year.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]
6. Except as allowed by Condition 7, all abrasive blasting operations shall be conducted within a fully enclosed area. ***District and State enforceable only***
[District Rule 1302(C)(2)(a)]
7. An abrasive blasting operation conducted under one or more of the following conditions is not required to be conducted within a fully enclosed area:
 - a. steel or iron shot/grit is used exclusively;
 - b. the item to be blasted exceeds 8 feet in any dimension; or
 - c. the surface being blasted is situated at its permanent location or no further away from its permanent location than is necessary to allow the surface to be blasted.[17 CCR §92500] ***District and State enforceable only***
8. This unit shall only use abrasives that have been certified by the California Air Resources

Board (CARB) when operated outside of a fully enclosed area.
[17 CCR §92500] *District and State enforceable only*

9. Emissions from abrasive blasting operations shall not exceed the following visible emission limits for a period or periods aggregating more than three minutes in any one hour;
Fully enclosed blasting- 20 percent opacity (Ringleman 1).
Open outdoor blasting- 40 percent opacity (Ringleman 2).
[17 CCR §92200]

Note; Visible emission observations shall be conducted in accordance with the requirements set forth in Title 17 CCR §92000-92530.

District and State enforceable only

10. All abrasive blasting operations conducted at this facility shall comply with Title 17 California Code of Regulations sections 92000-92530.
District and State enforceable only

II. SPRAY GUN – MDAQMD PERMIT #'s P010945, P010946, P010947, P010948, P010949, and P010950 – consisting of:

P010945; Graco Gusmer H35 Pro Airless Spray System, Serial No. BVO 1278. Can be used with the following nozzles; three (3) Graco XTR-7, two (2) Graco Fusion MP (Manual Purge), and one (1) Graco Fusion AP (Air Purge).

P010946; Graco Reactor Airless Spray System, Model No. XP-3 Reactor, Serial No. A222. Can be used with the following nozzles; Graco XTR-7, Graco Fusion MP (manual purge) and one Graco Fusion AP (Air Purge).

P010947; Binks SV100 HVLP Pressure Feed Spray Gun

P010948; Binks SV100 HVLP Pressure Feed Spray Gun

P010949; Graco Merkur X72 Airless Spray System

P010950; Graco XP 70 Airless Spray System. Can be used with the following nozzles; Graco XTR-7, Graco Fusion MP (Manual Purge), and Graco Fusion Ap (Air Purge).

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. Furthermore, this equipment when operated as described is deemed HVLP equivalent.
[District Rule 1302(C)(2)(a)]
2. This equipment shall comply with all applicable requirements set forth in District Rules 1113, 1115, and 442 which correspond to Architectural Coatings, Metal Parts & Products

Coating Operations, and Usage of Solvents, respectively.
[District Rule 204]

3. The total amount of organic solvents (Rule 102) that can be released to the atmosphere by this facility is limited to 250 lb/day.
[Basis Regulation XIII, amended version 9/5/1980]
4. Material Safety Data Sheets, either electronic or hardcopy shall be maintained current and on-site and presented to District, State, or Federal personnel upon request.
[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
5. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal personnel upon request and shall contain the following information at a minimum:
 - a. Substrate type;
 - b. Amount and type of coating and/or solvent used;
 - c. Solvent content and reactive/non-reactive nature of each coating and other solvent-containing material used;
 - d. Daily reactive and non-reactive emissions in pounds;
 - e. Material Safety Data Sheets; and,
 - f. All maintenance activities.[District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

JJ. ABRASIVE BLAST ENCLOSURE - MDAQMD PERMIT # B011787 – consisting of:

A custom fabricated metal enclosure measuring 70' W x 60' L x 25' H, having an abrasive blast area and equipment area divided by a solid partition and featuring an Abrasive Blast and Abrasive Blast Media Reclamation System described as;

Manual feed, below grade abrasive blast media collecting trough, a 3 by 3 hopper and elevator (20' 10" high), a left hand abrasive cleaner/air wash unit, and two abrasive blast pot stand (dimensions 25" x 25" x 77"). Plant air is to be used only.

Clemco Model 2443, Serial No. TBD, single chamber dry sandblast machine, 6.0 cu ft capacity, powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inch (Nozzle #8).

Clemco Model 2452, Serial No. TBD, single chamber dry sandblast machine, 6.0 cu ft capacity, powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inch (Nozzle #8)

Clemco Model P10028 air wash unit (vent to Clemco Model RPH-2L6, C600 (600 CFM) Dust Collector)

Clemco Model RPH-2L6, C600 (600 CFM) Dust Collector, reverse pulse type, 470 sq ft filter area, air-to-cloth ratio of 1.28:1, 2 filter cartridges, 1 HP fan, dimensions 68"L x 46"W x 143"H

1. Abrasive blast nozzle must be periodically checked for wear. Nozzles must be repaired or replaced when inner diameter exceeds 0.5 inch.
[District Rule 1302(C)(2)(a)]
2. Abrasive blasting operations, using the equipment described herein, must be conducted within in the Abrasive Blast Area of the enclosure.
[District Rule 1303 (b)]
3. The abrasive blast and abrasive blast media reclamation system described above shall not be operated unless vented to a functioning air pollution control device operating under valid District Permit, C011789. Note: Reclaim Baghouse will vent to C011789. [District Rule 1305(2)]
4. This equipment shall only use steel grit abrasive blast media.
[District Rule 1302(C)(2)(a), District Rule 1305(2)]
5. The abrasive blast enclosure (building) must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.
[District Rule 401 and District Rule 1305(2)]
6. Abrasive blasting operations inside this enclosure shall not discharge into the atmosphere emissions which have an opacity of 20% or greater for more than three minutes in any one hour.
[17 CCR 92200, District Rule 401]
7. The o/o shall maintain a log current and on-site, for a minimum of five years, and shall provide to District, state, and federal personnel upon request. This log shall contain, at a minimum, the following information:
 - a. Mass (in lbs or tons) and type of abrasive blast materials used;
 - b. Date and duration of use (in hours);
 - c. Maintenance, malfunction, and repairs; and
 - d. Filter replacement date and quantity.[District Rule 1302(C)(2)(a); District Rule 1203(D)(1)(d)(ii)]
8. A pressure differential gauge must be installed and maintained on the Clemco Model RPH-2L6, C600 Dust Collector. In operation, the pressure differential must be within 0.1 to 6.0 inch water column.
[District Rule 1302(C)(2)(a)]
9. The o/o must maintain a minimum inventory of replacement filter cartridges onsite.
[District Rule 401; District Rule 1302(C)(2)(a)]

10. Maximum air pressure applied through the abrasive blast nozzle must not exceed 100 psig.
[District Rule 1302(C)(2)(a)]
11. Potential PM10 emissions from this equipment and equipment with District Permit C011789 are being offset using simultaneous emission reductions (SER) obtained from the shutdown of District Permit units A010943 and A010944 and reduction in permitted operating hours (3000 hrs to 800 hrs) to District Permit units A010940, A010941, A010942, and A011075.
[District Rule 1303 (B) and 1305(2)]

KK. DUST COLLECTOR, ABRASIVE BLAST ENCLOSURE- MDAQMD PERMIT # C011789 – consisting of:

Camfil FARR Gold Series Dust Collector, Model GS-16, pulse jet type, exterior dimensions measuring 84" L x 171 3/4 " H x 108 3/8" W, equipped with total of 16 Camfil HemiPleat cartridge type filters, each filter measures 39" x 14 3/4" (each filter area 455 sq ft), 30 hp fan, 15,600 cfm (15,000 cfm + 600 cfm from reclaim baghouse), air to cloth ratio: 2.14:1. Stack height 21', stack diameter 24".

1. This equipment must be in operation and diligently maintained in proper working order according to the manufacturer's specifications whenever the Abrasive Blast Enclosure (B011787) is being operated and emitting particulate emissions.
[District Rule 401 and 404]
2. Particulate Matter (PM10) emissions from this equipment shall not exceed the following emission limits, verified by initial compliance test:
PM10 - 0.22 lb/hr [District Rule 1303 (B)]
Grain Loading - 0.0027 gr/dscf
[District Rule 404]
3. Owner/operator shall conduct an initial compliance test relative to District Rules 404, 405, and 1303 within 90 days of initial startup. O/o shall use the test methods specified below and in strict accord with the District Compliance Test Procedural Manual. The o/o shall notify the District 10 days prior to conducting the test. Test results must be submitted within 45 days of completion of the test.
Test Methods (PM10):
US EPA Test Method 201 (or other equivalent method with prior District approval); and
US EPA Test Method 9.
[District Rule 404; District Rule 405; District Rule 1303(B)]
4. Owner/operator shall continuously monitor the opacity of the exhaust stream using either Continuous Opacity Monitoring System (COMS) or Triboelectric monitoring. A continuous monitoring protocol must be submitted to the District for approval prior to installation.

In lieu of continuous monitoring (COMS or Tribo) the o/o may elect to perform quarterly visual determinations of emissions opacity in accordance with EPA Method 9. O/o must conduct the EPA Method 9 test while the abrasive blast enclosure is operating under normal conditions. The duration of each EPA Method 9 test must be at least 1 hour. [17 CCR 92400; District Rule 1203(D)(1)(c)ii]

5. A pressure differential gauge shall be installed and maintained on this equipment. In operation, the normal operating range is 0.1" to 4.0" water column (maximum 6" W.C.). The pressure gauge shall have a minimum accuracy of 0.25 inch H₂O and must be calibrated quarterly. Further, pressure taps must be checked monthly for plugging. [District Rule 1203(D)(1)(c)ii]
6. An excursion from the normal operating range specified in condition 5 above shall result in the o/o carrying out the following;
 - a. Conduct inspection of equipment to determine cause.
 - b. Proceed with corrective action.
 - c. Report items a and b above in operations log.[District Rule 1203(D)(1)(c)ii]
7. An operations log shall be maintained current and onsite for a minimum of five years and shall be provided to District, state, or federal personnel upon request. At a minimum log shall include the following;
 - a. Date and nature of any system repairs, maintenance, and malfunction/breakdown;
 - b. Weekly pressure differential recording;
 - c. Filter replacement date and quantity of filters replaced; and
 - d. Date and results of annual inspections.District Rule 1203(D)(1)(c)(ii)]
8. Material discharged from this equipment must be to closed containment only. [District Rule 401]
9. The o/o shall conduct, on an annual basis, a system inspection in accordance with manufacturer guidance and at a minimum, inspection of the filter and filter suspension system, ductwork, pressure gauge, and hatch and door seals. [District Rule 1302(C)(2)(a)]
10. Exhaust stack must have sampling ports in a location which satisfy the requirements of US EPA Reference Method 1 and which do not compromise the safety of individuals tasked with operation or testing of equipment. ***District and State Enforceable Only***
- LL. **PLASMA CUTTING TABLE- MDAQMD PERMIT # B011875 – consisting of:** a Hypertherm HPR400XD plasma cutter set up on a table for cutting steel plate with a single torch. Collected fumes will vent via a downdraft collector to an attached air pollution control device. Process current ranges from 30-400 amperes at 480 volt service voltage, maximum 96 kVA.

1. This equipment shall not be operated unless only vented to properly maintained and functioning air pollution control equipment with valid District Permit C011876.
[District Rule 1302 (C)(2)(a)]
2. This equipment is not to be used to cut stainless steel material (steel alloy greater than 10.5% chromium by weight).
[District Rule 1320] *District and State Enforceable Only*
3. Owner/operator shall maintain a monthly summary of the type(s) of materials cut using this equipment. [District Rule 1302] *District and State Enforceable Only*
4. This equipment shall not be operated unless the following areas are stabilized with asphalt, concrete or asphaltic concrete sufficient to eliminate dust emissions from soil erosion: ~4653 sq. ft. of North Side Facing Cylinder/Blast Tape Building Driveway.
[District Rule 1303 (B); District Rule 1305 (B)(3)(c)]
5. Owner/operator shall provide .0075 tons per year (15 lbs/year) of PM10 offsets utilizing area source actual emission reductions (AER) resulting from onsite soil stabilization project at the North Side Facing Cylinder/Blast Tape Building Driveway.
[District Rule 1302(C)(5)]

MM. DUST/FUME COLLECTOR, PLASMA CUTTING TABLE - MDAQMD PERMIT # C011876 – consisting of:

Messer, Model 3-24 pulse jet type dust collector, having 24 filter cartridges each measuring 13.84 " OD x 27" L, 6330 sq ft of filter area, exhausting at 6500 cfm for an air to cloth ratio of 1.02:1.

1. This equipment shall be operated concurrently with the plasma cutting table with valid District Permit B011875.
[District Rule 1303(A)]
2. A pressure differential gauge shall be installed and maintained as part of this equipment so as to indicate, in inches of water column, the static pressure differential across the bags. In operation, the static pressure differential range shall be maintained within 0.5 to 6.0 inches water column.
[District Rule 1203(D)(1)(c)(ii)]
3. This equipment shall discharge no more than 0.56 pounds per hour of PM10 at a maximum concentration of 0.01 grains/dscf at the operating conditions given in the above description (BACT). Further, emissions of PM10 shall not exceed 15.0 pounds per calendar year (.0017 lb/hr x 8760 hrs) verified by manufacturer guarantee and records of maintenance and monitoring in accordance with condition 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 1303(A); District Rule 1303(B), District Rule 404]

4. The o/o shall maintain on-site a minimum inventory of replacement bags that assures compliance with these conditions.
[District Rule 403]
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. Annual inspection of equipment including filter cartridge system, seals and gaskets, and date and name of person(s) performing inspection;
 - b. Weekly reading of baghouse pressure drop, date and value;
 - c. Date of cartridge replacements; and,
 - d. Date and nature of any system repairs.[District Rule 1203(D)(1)(c)]
6. Collected materials shall be discharged into sealed containment only and disposed of in a manner consistent with safety and good air pollution control practices for minimizing emissions.
[District Rule 401]

NN. POLYURETHANE PIPE COATING SYSTEM - MDAQMD PERMIT # B011220 – consisting of:

Polyurethane pipe coating system and associated enclosure consisting of two Graco XP70 pump units with one each Graco TR-7 and Graco Fusion spray heads operating within a 25 by 87 enclosure permitted under District permit C011213.

Consisting of:

- Pump Units: two (2) Graco XP70, one (1) Reactor 2 H-XP3 (SN A10449), one (1) Reactor H-XP3 (SN A136), one (1) Reactor H-XP3 (SN A210) and one (1) HP40 (SN A189)
- Two (one each) Graco XTR-7 and Graco Fusion spray heads
- Air compressor to feed the sprayers; 25 hp electric motor with a 120 gal tank
- Travel cart; 3 hp drive motor

1. The owner/operator (o/o) shall operate/maintain this equipment accord with recommendations of the manufacturer and/or sound engineering practices, which produce the minimum emissions of air contaminants and preclude violations of District rules 401, 402 and 403.
[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 is issued unless otherwise noted below.
[District Rule 204]

3. 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 maintenance inspections. Inspections shall be logged with the log kept on site for a minimum of five (5) years and provided to District, State and Federal personnel upon request.
[District Rule 204]
4. This equipment shall not be operated unless vented through properly functioning air pollution control equipment under valid District permits C011213.
[District Rule 204]
5. This Polyurethane Pipe Coating System shall only use non VOC containing material.
[District Rule 204]
6. The owner/operator (o/o) shall maintain an operator's log for this equipment current and on-site for five (5) years. This log shall be provided to District, State and Federal personnel upon request and shall contain the following information at a minimum:
 - a. Amount and type of each coating and/or solvent used (summarized monthly); and
 - b. Material Safety Data Sheets for each coating and or solvent used.[District Rule 442; District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(d)(ii); District Rule 1203(D)(1)(c)(ii)]

OO. PARTICULATE FILTER ASSEMBLIES - MDAQMD PERMIT # C011213 – consisting of:

three filter assemblies, each with a 15' X 24" diameter stack flowing at the rate of 7964 CFM @ 1/2"SP and a velocity of 2535 FT/min; Negative air draw system consisting of three 6'4" wide 7'2" tall filter assemblies with 20"X20"X1" filters with a 99.83% particulate removal efficiency, 24" axial fan, 2 HP, resulting in an one building air exchange every 1.8 minutes with 100% particulate capture.

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.
[District Rule 204]
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 noted below.
[District Rule 204]
3. This dust collector shall be functioning at all times that the Polyurethane pipe coating equipment covered under Permit B011220 is in operation.
[District Rule 1303- BACT]
4. The o/o shall maintain an inventory of filters on-site at all times to ensure compliance with applicable Rules of District Regulation IV.
[District Rules 204; 404; 1303- BACT]

5. The o/o shall log all filter replacements, repairs and non-scheduled maintenance. The log shall be kept current, on-site for a minimum of 5 years and provided to District, State, or Federal personnel on request.
[District Rule 1303]

6. The o/o shall conduct compliance emissions tests relative to Rules 404, 405, and 1303 within 90 days of startup, and effective year 2019, shall be tested at least once every thirty six 36 month period (triennial) thereafter. If the result of any subsequent triennial compliance test indicates the equipment is not in compliance with the particulate matter emission limits or the o/o fails to maintain equipment in compliance with conditions specified herein, the o/o must resume annual compliance tests (once every twelve (12) month period).

The o/o shall conduct emissions testing for particulates in strict accord with all procedures described in the District's Compliance Test Procedural Manual, and as outlined in Condition 7 below. 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]

7. PM-10 emissions from this device and from equipment permitted as B011220 were offset with simultaneous emission reductions (SERs) using this facility's concrete surface improvement project. To ensure compliance with NSR requirements of regulation XIII the o/o shall demonstrate using source test data and equipment operation that emissions from this device combined with emissions from B011220 are less than 201 lbs of PM-10 per calendar year. PM-10 source testing shall be accomplished using EPA Method 5 (or equivalent method(s) as approved by the District), and moisture quantified using EPA Method 4, during PM sampling.
[District Rule 1303]

8. This equipment shall not operate more than 4992 hours/year; 16 hrs/day, 5 days/week, 52 weeks per year.
[District Rule 1303]

9. This device is permitted through the use of simultaneous emissions reductions (SERs) through emission reductions associated with the concrete paving of three areas, associated with large fork lift operations, as described herein: concrete pad 37'W X 69'L just north of the Cylinder Blast/Tape Building; concrete pad 17'W X 100'L just south of the Coal/Tar Building, and concrete pad 10'W X 50'L just west of the office section of

the Horseshoe complex. Therefore, these areas shall be poured and cured prior to commencing operation of this equipment and equipment operating under valid District permit B011220.

[District Rule 1303]

10. Subsequent to concrete project completion, the areas described in condition 9 shall be maintained in good operating condition; in a solid configuration free from pot holes and crushed concrete areas.

[District Rule 1303]

11. The o/o shall have a continuing program of maintenance/inspections in accordance with manufacturers recommendations and specifications. 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. Weekly visual emissions determinations per USEPA Method 22 (USEPA method 9 upon detection of emissions),
- b. Weekly observations of differential pressures across the dust collector, and
- c. Inspections/repairs.

[District Rules 401 and 1303]

**PP. DUST COLLECTOR #2, TAPE WRAP/BLAST CLEAN PROCESSING LINE-
MDAQMD Permit # C012589 consisting of:**

Manufactured by Donaldson Torit and consisting of a Downflo Oval, Model 2DF8, Serial No. TQ 368239-002. Dust collector consists of: Type: Pulse jet Type filters: Ultra-Web or equivalent cartridges Filter media: Nano-fibers No. of filters: 8 cartridges Filter Area: 906 Sq. Ft Air flow rate: 6,000 CFM Air to cloth ratio: 3.3 to 1 Fan and motor: Fan Diameter tbd; 10 hp

This unit serves B003072 grit blast machine and aides in the reclaim of abrasives by improving capture of fine particulate through "airwash" of blasting media.

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 operate concurrently with B003072.

[District Rule 1303; 40 CFR Part 64 - CAM]

3. This unit shall be equipped with a device to measure the pressure differential across the bags (manometer). In operation, the differential pressure drop shall be maintained between 0.2 to 6.0 inches water column.

[District Rule 1303; 40 CFR Part 64 - CAM]

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 pressure differential recording;
 - b. Monthly dust collector stack observation date and result (using 6 minute USEPA Method 22)
 - c. Quarterly cartridge and cartridge suspension system inspection date and results;
 - d. Date of cartridge replacements; and,
 - e. Date and nature of any system repairs.
[District Rule 1303; 40 CFR Part 64 - CAM]
5. This equipment shall not discharge into the atmosphere an exhaust stream that exhibits greater than twenty percent opacity.
[District Rule 401]
6. This equipment shall discharge no more than 0.51 pounds per hour of PM10 at a maximum concentration of 0.010 grains/dscf at the operating conditions given in the above description (BACT) and manufacturer guarantee. 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 1303 - BACT]
7. The o/o shall maintain on-site a minimum inventory of replacement cartridges that assures compliance with these conditions.
[District Rule 1303]

PART IV STANDARD FEDERAL OPERATING PERMIT 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. 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. 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. 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. 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. 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); District 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); District 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); District 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); District 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); District 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); District Rule 1203 (G)(3)(g)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, 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 Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), 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.

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
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
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 / MM Btu	pounds per million British thermal units
MM Btu	million British thermal units
MM Btu/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
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

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APPENDIX A - District Rule Citations

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
203	<i>Permit to Operate</i>	1/7/77	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
204	<i>Permit Conditions</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
206	<i>Posting of Permit to Operate</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
207	<i>Altering or Falsifying of Permit</i>	1/9/76	[SIP: Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)]	Y	
209	<i>Transfer and Voiding of Permit</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
217	<i>Provision for Sampling And Testing Facilities</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
219	<i>Equipment Not Requiring a Written Permit</i>	SB - 6/6/77 RC - 9/4/81	SB - [SIP: Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 7/6/82, 47 FR 29231, 40	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			CFR 52.220(c)(103)(xviii)(A)]		
221	<i>Federal Operating Permit Requirement</i>	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	<i>Permit Fees</i>	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 is a fee rule and does not ordinarily require submission to USEPA. Various prior versions of Rule 301 were previously included in the State Implementation Plan (SIP) however USEPA removed this rule from the SIP on 01/18/02 (67 FR 2573; 40 CFR 52.220(c)(39)(iv)(C)). Therefore, this rule is not required to be a federal submittal.
312	<i>Fees for Federal Operating Permits</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	<i>Visible Emissions</i>	SB - 7/25/1977RC - 2/4/1977 (subdivision (a))RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)]RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]RC	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			(b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]		
403	<i>Fugitive Dust</i>	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	
403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	N/A	SIP Pending: as amended 07/22/1996 and submitted 10/18/1996	?	
404	<i>Particulate Matter Concentration</i>		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	<i>Solid Particulate Matter, Weight</i>		[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
406	<i>Specific Contaminants</i>	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	<i>Liquid and Gaseous Air Contaminants</i>	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR	Y	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			25684, 40 CFR 52.220(c)(32)(iv)(A)]		
408	<i>Circumvention</i>	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	<i>Combustion Contaminants</i>	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
430	<i>Breakdown Provisions</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
431	<i>Sulfur Content of Fuels</i>	SB - 10/8/1976	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B) RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)	Y	
441	<i>Research Operations</i>		SIP: Not SIP: District Rule 441 – Research Operations Disapproved 1/16/81 and 40 CFR	N	

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			52.272(a)(9)(i)]		
442	<i>Usage of Solvents</i>	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
444	<i>Open Outdoor Fires</i>	9/25/06	[SIP: Approved 10/31/2007, 72 FR 61525, 40 CFR 52.220(c)(350)(B)(1)]	Y	
1104	<i>Organic Solvent Degreasing Operations</i>	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	
1113	<i>Architectural Coatings</i>	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	
1114	<i>Wood Products Coating Operations</i>	11/25/96	[SIP: Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]	Y	
1115	<i>Metal Parts and Products Coating Operations</i>	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1116	<i>Automotive Finishing Operations</i>	8/23/10	[SIP: Approved 8/9/12, 77 FR 47536, 40 CFR 52.220(c)(388)(i)(F)(1)]	Y	
1302	<i>NSR - Procedure</i>	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	
Regulation XII	<i>Federal Operating Permits</i>		SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503;		

District Rule	Title	SIP Rule Version	Citation	Federally Enforceable	Notes
			Interim Approval 02/05/96 61 FR 4217]		