



FEDERAL OPERATING PERMIT

Permit No.: **39701067**

Company: **Mobile Pipe Lining & Coating, Inc.**

Facility: **Mobile Pipe Lining & Coating, Inc.**

Issue date: **1/9/20**

Expiration date: **1/9/25**

**MOJAVE DESERT
AIR QUALITY
MANAGEMENT
DISTRICT**

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Signed and issued by

BRAD POIRIEZ

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER

PERMIT REVISIONS

Date of Change, 11/1/19:

Re-Issue Title V Permit for new 5-year term: Permit valid November 1, 2019 through November 1, 2024. (Update by Roseana Brasington)

Date of Change, 09-15-14:

Re-Issue Title V Permit for new 5-year term: Permit valid September 15, 2014 through September 15, 2019. (Update by Sheri Haggard)

Date of Change, June 5, 2017:

Significant modification to add two new permit units. Administrative correction, updated Executive Director/Air Pollution Control Officer. (Update by Roseana Brasington)

Date of Change, 09-15-14:

Re-Issue Title V Permit for new 5-year term: Permit valid September 15, 2014 through September 15, 2019. (Update by Sheri Haggard)

Date of Change, 01-11-07:

Re-Issue Title V Permit for new 5-year term: Permit valid February 27, 2007 through February 27, 2012. (Update by Bill Weese)

Date of Change, 12-11-06:

Administrative change: Revised wording for E009234 to clarify requirements for natural gas fuel sulfur content logging, see page 31, Part III, # D.5 (d). (Update by Bill Weese)

Date of Change, 12-17-02:

Administrative Amendment 12/17/2002, delete B004195 and C004196.

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PART I
INTRODUCTORY INFORMATION

A. **FACILITY IDENTIFYING INFORMATION:**

Owner/Company Name: Mobile Pipe Lining & Coating, Inc.

Owner Mailing Address: Mobile Pipe Lining & Coating, Inc.
12766 Violet Road
Adelanto, California 92301

Facility Name: Mobile Pipe Lining & Coating, Inc.

Facility Location & Mailing Address: 12766 Violet Road
Adelanto, California 92301

MDAQMD Federal Operating Permit Number: 039701067

MDAQMD Company Number: 0397

MDAQMD Facility Number: 01067

Responsible Official: James Harvey
Title: General Manager
Phone Number: 760-246-4707
Email Address: jharvey@mobilepipe.net

Facility "Site" Contacts: James Harvey
Phone Number: 760-246-4707
Fax Number: 760-246-4348

Facility "Site" Contacts: Mark Tessororf
Title: Production Manager
Phone Number: 760-246-4707

Nature of Business: Cleaning and Coating of Steel Pipes
SIC Code: 3479 Coating/Cleaning Pipe Operations
Facility Coordinates: UTM (km) 3824.559 N / 464.660 E

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 39701067) is for Mobile Pipe Lining & Coaters, Inc. (Mobile Pipe), is located at 12766 Violet Road, in Adelanto, California. Mobile Pipe is a coater and liner operation of steel pipes. The basic processes of the facility are the cleaning, coating and lining of steel pipes of a broad spectrum of sizes. This facility uses support processes to achieve the foregoing, which are described as: pre-heating, abrasive blasting, high-pressure scrubbing, hot enamel tanks and coal tar coating, wrapping machines, and spray coating. Emitting equipment at the facility includes open abrasive blasting equipment, pipe wrapping and spray coating, the hot enamel and coal tar tanks which are vented to the high-pressure scrubber, and a cement mortar batch plant which is vented to bin vents.

C. EQUIPMENT DESCRIPTION:

District Permit	Permit Type	Permit Description
A002432	Abrasive Blasting Equipment	OPEN ABRASIVE BLASTING SYSTEM - NO. 1
A002433	Abrasive Blasting Equipment	OPEN ABRASIVE BLASTING SYSTEM - NO. 2
A002434	Abrasive Blasting Equipment	OPEN ABRASIVE BLASTING SYSTEM - NO. 5
A002435	Abrasive Blasting Equipment	OPEN ABRASIVE BLASTING SYSTEM - NO. 3
A002436	Abrasive Blasting Equipment	OPEN ABRASIVE BLASTING SYSTEM - NO. 4
A012781	Abrasive Blasting Equipment	WHEEL BLAST EQUIPMENT
B002427	Basic	PIPE CLEANING AND APPLICATION LINE
B002429	Basic	PIPE COATING AND WRAPPING LINE
B007998	Basic	CEMENT MORTAR BATCH PLANT
C002428	Air Pollution Control Device	DUST COLLECTOR SYSTEM
C002430	Air Pollution Control Device	HIGH PRESSURE WATER SCRUBBER SYSTEM
C012493	Air Pollution Control Device	DUST COLLECTOR, CEMENT SILO-SYSTEM
C012782	Air Pollution Control Device	DUST COLLECTOR, VENTING WHEEL BLAST EQUIPMENT
S002431	Portable Spray Gun	OPEN SPRAY STATION FOR PIPE SECTIONS

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]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[District Rule 203]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[District Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[District Rule 204]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the Air Pollution Control Officer (APCO) / District.
[District Rule 206]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[District Rule 207]
7. Permits are not transferable.
[District Rule 209]
8. The Air Pollution Control Officer (APCO) may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[District Rule 217]
9. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[District Rule 219]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation

of this facility.
[District Rule 221]

11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[District Rule 301]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[District Rule 312]
13. Owner/Operator shall not discharge into the Atmosphere from any emission source whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour, which is as observed using the appropriate test method referenced in Section (E) of District Rule 401:
 - (a) As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
 - (b) Of such Opacity as to obscure an Observer's view to a degree equal to or greater than 20% Opacity, or as described in Subsection (C)(1)(a) of District Rule 401, as outlined above.~~Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:~~
 - ~~(a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.~~

[District Rule 401 and 40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]
14. Abrasive Blasting operations shall not exceed Visible Emissions limits set by Sections 92000 et seq. of Title 17 of the California Code of Regulations, which are 20% Opacity (or equivalent Ringelmann 1) for indoor operations using noncertified Abrasive Blasting material and 40% Opacity (or equivalent Ringelmann 2) for more than 3 minutes in any hour for outdoor operations using the following methods: wet Abrasive Blasting, hydroblasting, vacuum blasting, or Abrasives Certified for Permissible Dry Outdoor Blasting.
[District Rule 401 and 40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]
15. 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]
- ~~16.~~ Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an "Alternative PM₁₀ Control Plan" (ACP) pursuant to Rule 403.2(G) has been approved.
[District Rule 403.2]

~~1617~~. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

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

[District Rule 404]

~~1718~~. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in 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]

~~1819~~. 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.

[District Rule 406]

~~1920~~. 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]

~~2021~~. Owner/Operator shall not build, erect, install, or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission that would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.

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

[District Rule 408]

~~2122~~. 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]

- ~~2223~~. The Air Pollution Control Officer (APCO), at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:
- (a) Any breakdown that results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
 - (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
 - (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
 - (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
 - (e) If the breakdown occurs outside normal District working hours, the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer (APCO).

[District Rule 430]

- ~~2324~~. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.

[District Rule 431]

- ~~2425~~. The provisions of Regulation IV except Rule 402 shall not apply to experimental research operations when the following requirements are met:
- (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
 - (b) The Air Pollution Control Officer (APCO) has given written prior approval that shall include limitation of time.

[District Rule 441]

2526. Owner/Operator of this facility shall meet the following emission and operating requirements:
- (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
 - (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
 - a. Product reformulation or substitution;
 - b. Process changes;
 - c. Improvement of operational efficiency;
 - d. Development of innovative technology;
 - e. operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).
 - (b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.
 - (c) The provisions of this condition shall not apply to:
 - (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
 - (iii) The use of pesticides including insecticides, rodenticides or herbicides.
 - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
 - (v) Aerosol products.
 - (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.
 - (d) Owner/operator shall maintain daily usage 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]

2627. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open

outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
[District Rule 444]

2728. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of Rule 1104 when engaged in wipe cleaning, cold solvent cleaning, and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:

(a) VOC Content

- (i) An Owner/Operator shall not use a Solvent with a VOC content that exceeds 25 grams VOC per liter, as applied, for cleaning or surface preparation in any operation subject to this Rule.
- (ii) As an alternative to, or in lieu of, subsection (C)(1)(a) of this rule, an Owner/Operator may use cleaning materials with a VOC composite vapor pressure limit of 8 millimeters of mercury (mmHg) or less at 20 degrees Celsius.

(b) Control Equipment

- (i) Owners and/or Operators may comply with subsection (C)(1)(a) of this rule by using approved air pollution Control Equipment provided that the VOC emissions from such operations and/or materials are reduced in accordance with the following:
- ~~a.(ii)~~ The Control Equipment shall reduce emissions from an emission collection system by at least 95 percent (95%), by weight, or by reducing the output of the air pollution Control Equipment to less than 25 ppm calculated for carbon with no dilution; and
- ~~b.(iii)~~ The Owner/Operator demonstrates that the system collects at least 90 percent (90%), by weight, of the emissions generated by the sources of emissions.

(c) Cleaning Equipment and Method Requirements: An Owner/Operator shall not perform Solvent cleaning unless one of the cleaning devices or methods contained in subsections ~~(ai)~~ through ~~(ev)~~ below is used, and the applicable requirements in subsections ~~(fvi)~~ through ~~(kxv)~~ below are used:

- (i) Wipe Cleaning;
- (ii) Closed containers or hand held spray bottles from which Solvents are applied without a propellant-induced force;
- (iii) Cleaning Equipment which has a Solvent container that can be, and is closed during cleaning operations, except when depositing and removing objects to be cleaned, and is closed during non-operation with the exception of maintenance and repair to the Equipment itself;
- (iv) Non-atomized Solvent flow method where the cleaning Solvent is collected in a container or a collection system which is closed except for Solvent collection openings and, if necessary, openings to avoid pressure build-up inside the container; or
- (v) Solvent flushing method where the cleaning Solvent is discharged into a container which is closed except for Solvent collection openings and, if

- necessary, openings to avoid excessive pressure build-up inside the container. The discharged Solvent from the Equipment must be collected into containers without atomizing into the open air. The Solvent may be flushed through the system by air or hydraulic pressure, or by pumping.
- (vi) All Degreasers shall be equipped with the following:
- a.(1) An apparatus or cover(s) which reduces Solvent Evaporation, except for Remote Reservoirs.
 - b.(2) A permanent, conspicuous label summarizing the applicable operating requirements contained in subsection (C)(4) of this rule. 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.
- (ix) Remote Reservoirs shall be equipped with the following:
- (1)a. A sink, platform or work area which is sloped sufficiently towards a drain to prevent pooling of Solvent within the work area.
 - (2)b. A single or total drain hole area, not larger than 100 square centimeters (15.5 square inches) in area, for the Solvent to flow from the sink (platform/work area) into the Enclosed Reservoir.
 - (3)c. If High Volatility Solvent is used, a drain cover/plug/closure device or a cover for placement over the top of the sink (platform/work area), when the Equipment is not being used, cleaned or repaired.
 - (4)d. A minimum sink depth of six (6) inches, as measured from the top of the drain to the top of the side of the sink.
- (ix) Cold Solvent Degreasers - Freeboard Requirements:
- (1)a. Cold Solvent Degreasers using only Low Volatility Solvents which are not agitated, shall operate with a Freeboard Height of not less than six (6) inches.
 - (2)b. 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.
 - (3)c. Any Cold Solvent Degreasers using Solvent which is agitated, or heated above 50 degrees Celsius (120 degrees Fahrenheit) shall operate with a Freeboard Ratio equal to or greater than 0.75.
 - (4)d. A water cover may be used as an acceptable control method to meet the freeboard requirements, when the Solvent is insoluble in water and has a specific gravity greater than one (1).
 - e.(1) Cold Solvent Degreasers - Cover Requirements: 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.
 - f.(1) Cold Solvent Degreasers - Solvent Level Identification: A permanent, conspicuous mark locating the maximum allowable Solvent level conforming to the applicable freeboard requirements.
- (xiik) Conveyorized Cold Solvent Degreasers shall be equipped with the following:

- ~~(1)~~a. A rotating basket or other method, to prevent cleaned parts from carrying out Solvent liquid.
- ~~(2)~~b. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the cleaner openings are less than 10 centimeters (4 inches) or less than ten (10) percent of the opening width, whichever is greater.
- ~~(3)~~c. A Freeboard Ratio equal to or greater than 0.75.
- ~~(4)~~d. Alternately, a hood or enclosure to collect emissions which are vented to Control Equipment may be used to satisfy requirement of subsection (C)(3)(i)(iii) ~~above of this rule~~, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of this rule. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the Air Pollution Control Officer (APCO).
- ~~(ixiv)~~ Batch-loaded Vapor Degreasers shall be equipped with the following:
 - ~~(1)~~a. 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.
 - ~~(2)~~b. A Vapor Level Control Thermostat, a Condenser Flow Switch and a Spray Safety Switch.
 - ~~(3)~~c. A Freeboard Ratio greater than or equal to 0.75.
 - ~~(4)~~d. A Primary Condenser.
 - ~~(5)~~e. In addition, Degreasers with an Evaporative Surface Area greater than or equal to one (1) square meter, shall be equipped with a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air-Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
 - ~~(6)~~f. Alternately, a hood or enclosure to collect emissions which are vented to- Control Equipment may be used to satisfy the requirements of subsections (C)(3)(j)(i) and(iii) ~~above of this rule~~, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of this rule. The collection system shall have a ventilation rate of 15-20 cubic meters per minute per square meter of Solvent cleaner opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and/or State Occupational Safety and Health Administration requirements, and is approve in writing by the APCO.
- ~~(mxv)~~ Conveyorized Vapor Degreasers shall be equipped with the following:

- ~~(1)~~a. An enclosed drying tunnel or other method, such as a rotating basket, sufficient to prevent cleaned parts from carrying out Solvent liquid or vapor.
 - ~~(2)~~b. Minimized entrance and exit openings which silhouette the Workloads such that the average clearance between material and the edges of the Degreaser openings are less than ten (10) centimeters (four (4) inches) or less than ten (10) percent of the opening, whichever is greater.
 - ~~(3)~~c. A Primary Condenser.
 - ~~(4)~~d. A Freeboard Ratio equal to or greater than 0.75.
 - ~~(5)~~e. A vapor control thermostat, a Condenser Flow Switch, and a Spray Safety Switch.
 - ~~(6)~~f. Additionally, a Refrigerated Freeboard Chiller for which the chilled air blanket temperature (degrees Fahrenheit) at the coldest point on the vertical axis in the center of the Air-Vapor Interface shall be no greater than 30 percent of the Initial Boiling Point (degrees Fahrenheit) of the Solvent used, or 40 degrees Fahrenheit, whichever is greater. (If the chiller operates below the freezing temperature of water, it shall be equipped with an automatic defrost).
 - ~~(7)~~g. Alternately, a hood or enclosure to collect emissions which are vented to -Control Equipment may be used to satisfy requirements of subsections (C)(3)(k)(iv) and (vi) of this rule~~above~~, provided that the air pollution Control Equipment meets the provisions of subsection (C)(2) of this rule. The collection system shall have a ventilation rate of 15-20 cubic meters/min per square meter of Degreaser opening (at each Air-Vapor Interface), unless the rate must be changed to meet Federal and State Occupational Safety and Health Administration requirements, and is approved in writing by the District APCO.
- ~~(nd)~~ Operating Requirements
- ~~(a)~~(i) All Degreasers shall comply with the following:
 - ~~a.~~(i) Any Solvent cleaning Equipment and any emission Control Equipment shall be operated and maintained in strict accord with the recommendations of the manufacturer.
 - ~~(b.)~~(i) Degreasers shall not be operating with any detectable Solvent Leaks.
 - ~~(c.)~~(i) All Solvent, including Waste Solvent, Waste Solvent residues, and used applicators shall be stored in closed containers at all times. All containers for any Solvent(s) shall have a label indicating the name of the Solvent/material they contain.
 - ~~(d.)~~(v) 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.

- ~~(e.v)~~ Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
- ~~(fv.i)~~ Solvent carry-out shall be minimized by the following methods:
 - ~~a(1)~~ Rack Workload arranged to promote complete drainage.
 - ~~b(2)~~ Limit the vertical speed of the power hoist to 3.3 meters per minute (11 feet per minute) or less when such a hoist is used.
 - ~~(3e)~~ Retain the Workload inside of the vapor zone until condensation ceases.
 - ~~(4d)~~ Tip out any pools of Solvent remaining on the cleaned parts before removing them from the Degreaser if the Degreasers are operated manually.
 - ~~(5e)~~ 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)g.~~ The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
- ~~(viii)h.~~ Except for Sealed Chamber Degreasers, all Solvent agitation shall be by either pump recirculation, a mixer, or Ultrasonics.
- ~~(ii.x)~~ 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.
- ~~j.(x)~~ For those Degreasers equipped with a water separator, no Solvent shall be visually detectable in the water in the separator.
- ~~(xk.i)~~ Wipe Cleaning materials, including shop towels, containing Solvent shall be kept in closed containers at all times, except during use.
- ~~(xil.i)~~ Cleaning operations shall be located so as to minimize air circulation and drafts being directed across the cleaning Equipment, the exposed Solvent surface, or the top surface of the vapor blanket.
- ~~(xm.iii)~~ 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.
- ~~(ii)(f)~~ Batch-loaded and Conveyorized Degreasers shall, in addition to the requirements in subsection (C)(4)(a) of this rule, meet the following operating requirements:
 - ~~(a.g)~~ When starting the Degreaser, the cooling system shall be turned on before, or simultaneously with, the sump heater.
 - ~~(ib.i)~~ When shutting down the Degreaser, the sump heater shall be turned off before, or simultaneously with, the cooling system.
 - ~~(iic.i)~~ The Workload Area shall not occupy more than half of the Evaporative Surface Area of the Degreaser.
 - ~~d.(iv)~~ Except for Sealed Chambers, the spray must be kept at least ten (10)

centimeters (four (4) inches) below the top of the vapor level and be pointed downward, to prevent turbulence at the air-Solvent vapor interface.

~~(iii)(g)~~ Remote Reservoir Degreasers shall, in addition to the applicable requirements in subsection (C)(4)(a) of this rule, meet the following operating requirements:

~~(i)a.~~ The Solvent pump shall not circulate Solvent into the sink unless a Workload is being actively processed.

~~(ii)b.~~ The sink of a Remote Reservoir Degreaser or any container placed therein may not be used to soak a Workload. Such use is prohibited and such use will cause the unit to be classified as a Cold Solvent Degreaser and be subject to provisions of subsection (C)(3)(h) of this Rule.

~~(iii)c.~~ Parts shall be visually dry and not dripping/leaking Solvent before being removed from the sink. Parts shall be tipped to release any trapped pools of Solvent before being removed from the sink.

~~(d.v)~~ The Workload must “drip-dry” while being contained completely within the sink.

~~(div)~~ Recordkeeping Requirements

~~a.(i)~~ Solvent Usage Records: All Persons subject to this Rule and any Person claiming any exemption under Section (E) of this rule shall comply with the following requirements:

~~(a1)~~ 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:

~~(1a)~~ Product name(s) used in the Degreaser;

~~(2b)~~ The mix ratio of mixtures containing Solvents as used;

~~(3c)~~ VOC content of Solvent or mixture of compounds as used;

~~(4d)~~ The total volume of the Solvent(s) used for the Facility, on a monthly basis: and

~~(5e)~~ The name and total volume applied of Wipe Cleaning Solvent(s) used, on a monthly basis.

~~(ii2)~~ Additionally, for any Degreaser utilizing an add-on emission Control Equipment/system as a means of complying with provisions of this Rule shall, maintain and produce daily records of key operating parameters and maintenance procedures which will demonstrate continuous operation and compliance of the air pollution abatement Equipment during periods of emission producing activities. Key system operating parameters are those necessary to ensure compliance with subsection (C)(2)(a) of this rule, such as

temperatures, pressures and flow rates. The data shall be recorded in a manner as prescribed by the District.

~~(iii)~~ Documentation shall be maintained on site of the disposal or on site recycling of any Waste Solvent or residues.

~~(iv)~~ Such records shall be retained on site (at the Facility) and available for inspection by the APCO for the previous five (5) years.

~~(a) All degreasers shall be equipped with a cover, which reduces solvent evaporation and minimizes disturbing the vapor zone.~~

~~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 one.~~

~~(d) Cold Solvent Degreasers – Cover Requirements:~~

~~(i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type, which is designed to easily open and close without disturbing the vapor zone.~~

~~(e) Cold Solvent Degreasers – Solvent Level Identification:~~

~~(h) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.~~

~~(f) All Degreasers shall comply with the following operating requirements:~~

~~(i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accord with the recommendations of the manufacturer.~~

~~(ii) Degreasers shall not be operating with any detectable solvent leaks.~~

~~(ii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.~~

~~(iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste~~

- ~~solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.~~
- ~~(v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.~~
 - ~~(vi) Solvent carryout shall be minimized by the following methods:
 - ~~(a) Rack workload arranged to promote complete drainage~~
 - ~~(b) Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.~~
 - ~~(c) Retain the workload inside of the vapor zone until condensation ceases.~~
 - ~~(d) Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.~~
 - ~~(e) Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)~~~~
 - ~~(vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.~~
 - ~~(viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.~~
 - ~~(ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.~~
 - ~~(x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.~~
 - ~~(xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.~~
 - ~~(xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.~~
 - ~~(xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.~~
 - ~~(g) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.~~
 - ~~(h) Solvent Usage Records: Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
 - ~~(1) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate~~~~

~~compliance, including the following information separately for each degreaser, as applicable:~~

- ~~(i) Product name(s) used in the degreaser, and~~
- ~~(ii) The mix ratio of solvent compounds mixtures of solvents are used, and~~
- ~~(iii) VOC content of solvent or mixture of compounds as used, and~~
- ~~(iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and~~
- ~~(v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.~~

~~(2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.~~

~~Documentation shall be maintained on-site of the disposal or on-site recycling of any waste solvent or residues.~~

~~(3) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5-year period as required by this Title V / Federal Operating Permit (Reference Rule 1203(D)(1)(d)(ii)).~~

[District Rule 1104]

2829. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the applicable requirements of Rule 1113, including the VOC limits specified in Rule 1113, part C, Table 1, as listed below:

Table 1
 VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Limits are expressed in grams of VOC per liter^a of Coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. "Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the Coating container.

Coating Category	Effective, 02/24/2003	Effective, 01/01/2013
Primary Coatings		
Flat Coatings	100	50
Nonflat Coatings	150	100
Nonflat-High Gloss Coatings	250	150
Specialty Coatings		
Aluminum Roof Coatings	n/a	400

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

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 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*]

~~3029~~. Owner/Operator’s use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, part C, Table of Standards, as listed below:

~~(4a)~~ Limits for VOC Content of Coatings & Adhesives for New Wood Products ~~VOC Content of Coatings & Adhesives~~

:

~~(i)~~ No Person shall apply any Coatings to a New Wood Product if such materials have a VOC Content exceeding the applicable limits specified in Table 1.

~~(1)~~ Table 1

VOC Content of Coatings and Adhesives for New Wood Products

<u>Coating</u>	<u>Current Limit</u>	<u>On and After 01/31/2019</u>
	<u>g/l (lb/gal) Less Water and Less Exempt Compounds</u>	<u>g/L (lb/gal) Less Water and Less Exempt Compounds</u>
<u>General</u>	<u>N/A</u>	<u>275 (2.3)</u>
<u>Clear Sealers</u>	<u>275 (2.3)</u>	<u>275 (2.3)</u>
<u>Clear Topcoats</u>	<u>275 (2.3)</u>	<u>275 (2.3)</u>
<u>Pigmented Primers, Sealers and Undercoats</u>	<u>275 (2.3)</u>	<u>275 (2.3)</u>
<u>Pigmented Topcoats</u>	<u>275 (2.30)</u>	<u>275 (2.3)</u>
<u>Fillers</u>	<u>275 (2.3)</u>	<u>275 (2.3)</u>
<u>High-Solids Stains</u>	<u>350 (2.9)</u>	<u>350 (2.9)</u>
<u>Inks</u>	<u>500 (4.2)</u>	<u>500 (4.2)</u>
<u>Mold Seal</u>	<u>750 (6.3)</u>	<u>750 (6.3)</u>
<u>Multi-Colored Coatings</u>	<u>275 (2.3)</u>	<u>275 (2.3)</u>
<u>Low-Solids Stains, Toners and Washcoats</u>	<u>120 (1.0)</u>	<u>120 (1.0)</u>
<u>Adhesives</u>	<u>250 (2.1)</u>	<u>250 (2.1)</u>
<u>Conversion Varnish</u>	<u>N/A</u>	<u>550 (4.6)</u>

(b2) Limits for VOC Content of Coatings & Adhesives for Refinishing, Repairing, Preserving or Restoring Wood Products:

- (i) Except as provided in subsections (C)(4) or (C)(5) of this rule, no Person shall apply any Coatings to refinish, repair, preserve or restore a wood product if such materials have a VOC Content exceeding the applicable limits specified in Table 2. The VOC Content of Coatings, except Low-Solids Stains, Toners, Washcoats and Solvents shall be determined in accordance with subsection (G)(4)(a)(i) and (G)(2)(a) of this rule. The VOC Content of Low-Solids Stains, Toners, Washcoats and Solvents shall be determined in accordance with subsection (G)(4)(a)(ii) and (G)(2)(a) of this rule. VOC limits expressed in grams VOC per liter of Coating shall be used.

Table 2
VOC Content of Coatings and Adhesives for Refinishing, Repairing, Preserving or Restoring Wood Products.

<u>Coating</u>	<u>g/l (lb/gal) Less Water and Less Exempt Compounds</u>
<u>General</u>	<u>420 (3.5)</u>
<u>Clear Topcoats</u>	<u>680 (5.7)</u>

<u>Conversion Varnishes</u>	<u>550 (4.6)</u>
<u>Fillers</u>	<u>500 (4.2)</u>
<u>High-Solids Stains</u>	<u>700 (5.8)</u>
<u>Inks</u>	<u>500 (4.2)</u>
<u>Medium Density Fiberboard (MDF) Coatings</u>	<u>680 (5.7)</u>
<u>Mold-Seal Coating</u>	<u>750 (6.3)</u>
<u>Multi-Colored Coatings</u>	<u>680 (5.7)</u>
<u>Pigmented Coatings</u>	<u>600 (5.0)</u>
<u>Sealers</u>	<u>680 (5.7)</u>
<u>Low-Solids Stains, Toners and Washcoats</u>	<u>480 (4.0)</u>
<u>Any other Low Solids Coatings</u>	<u>480 (4.0)</u>

(bc) Transfer Efficiency

(i) A Person or Facility shall not apply Coatings to Wood Products subject to the provisions of this Rule unless the Coating is applied with properly operating Equipment, according to manufacturer's suggested guidelines, and by the use of one of the following methods:

- ~~(1)~~a. Flow Coat;
- ~~(2)~~b. Dip Coat;
- ~~(3)~~c. High-Volume Low-Pressure (HVLP) spray;
- ~~(4)~~d. Low-Volume Low-Pressure spray Equipment;
- ~~(5)~~e. Paint brush;
- ~~(6)~~f. Hand roller;
- ~~(7)~~g. Roll Coater;
- ~~(8)~~h. Air-Assisted Airless Spray (for Touch-Up and Repair Coating only);
- ~~(9)~~i. Electrostatic Application Equipment; or
- ~~(10)~~j. Such other Coating application methods as are demonstrated to the Air Pollution Control Officer to have a Transfer Efficiency equal to or better than achieved by HVLP spraying and for which written approval of the Air Pollution Control Officer has been obtained.

(ed) Strippers, Surface Preparation, Clean-up Solvent and Equipment Cleaning

(i) The requirements of this Section shall apply to any Person using Solvent for surface preparation and cleanup.

- ~~a.(1)~~ A Person shall not use an organic compound for surface preparation or cleanup, except Strippers, with a VOC Content in excess of 25 Grams of VOC Per Liter of Material (0.21 pounds per gallon).
- ~~b.(2)~~ A Person shall use closed, non-leaking, and non-absorbent containers for the storage or disposal of cloth or paper used for Solvent surface preparation and cleanup.
- ~~c.(3)~~ A Person shall store fresh or spent Solvent in closed containers.

- ~~d.(4)~~ A Person shall not use organic compounds for the cleanup of spray Equipment, including paint lines, unless Equipment for collecting the cleaning compounds and minimizing their evaporation to the Atmosphere is used.
- ~~e.(5)~~ Spray gun nozzles only, may be soaked in Solvent-based materials for cleaning, provided the container is not more than five (5) gallons in size, and is kept tightly covered at all times except when accessing the container.
- ~~f.(6)~~ A Person shall not use Solvent based VOC-containing materials for the clean-up of spray Equipment used in Wood Products Coating Application Operations, unless the spray Equipment is disassembled and cleaned in an enclosed gun cleaner.
- (ii) A Person shall not use a Stripper on wood products unless:
 - ~~a.(1)~~ The Stripper contains less than 200 Grams of VOC Per Liter of Material; or
 - ~~b.(2)~~ The VOC composite partial vapor pressure for the Stripper is 2 mm Hg (0.04 psia) or less at 68 °F (20 °C), as calculated pursuant to subsection (G)(5) of this rule.
 - ~~(a)~~ Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(i) ~~_____~~ LIMITS

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

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

			On	
			7/1/	

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

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

~~(c) LIMITS~~

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

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

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€	2
€	6

€	€
P	2

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P	€

€	¢

~~(d) ————— LIMITS~~
~~Grams of VOC Per Liter of Coating,~~

Less

Coat			
Fille			
High			

Inks			
Mol			
Mult			

Low			

Adh			

[District Rule 1114]

~~3031~~. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

~~(a)~~ Requirements:

~~(i)~~ Transfer Efficiency:

~~a.(i)~~ A Person shall not apply any Coatings to Metal Parts and Products subject to the provisions of this Rule, unless the Coating is applied with Equipment properly operated according to manufacturer's suggested guidelines, and using one of the following application methods:

- (1) Electrostatic Spray;
- (2) High Volume Low Pressure (HVLP) Spray Equipment;
- (3) Dip coat (including electrodeposition);
- (4) Flow coat;
- (5) Roller Coat;
- (6) Airless spray;
- (7) Air-assisted airless spray;
- (8) Hand Application Methods;
- (9) Other coating application methods as are demonstrated to have a Transfer Efficiency at least equal to or better than achieved by HVLP spraying; or
- (10) Equipment as approved by the APCO, CARB and USEPA, provided that the Owner/Operator submits an application and demonstrates that the use of HVLP spray Equipment would result in greater emissions than the proposed system Equipment. The approval shall be limited to only those Coatings listed in the application plan.

~~(bii)~~ VOC Content of Coatings

~~(i)a.~~ A Person shall not apply any Coating to Metal Parts and Products, including any VOC-containing materials added to the original

Coating supplied by the manufacturer, which contains VOC in excess of the limits specified in subsection ~~(C)(2)(a)(i)~~ below:

~~(1)~~ COATING LIMITS

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

<u>Coating Category</u>	<u>Air-Dried</u>		<u>Baked</u>	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
<u>General One-Component*</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>General Multi-Component*</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>Military Specification</u>	<u>340</u>	<u>(2.8)</u>	<u>275</u>	<u>(2.3)</u>
<u>Etching Filler</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Solar-Absorbent</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Heat-Resistant</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>High-Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Extreme High-Gloss</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Metallic</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Extreme-Performance</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Prefabricated Architectural One-Component</u>	<u>420</u>	<u>(3.5)</u>	<u>275</u>	<u>(2.3)</u>
<u>Prefabricated Architectural Multi-Component</u>	<u>420</u>	<u>(3.5)</u>	<u>275</u>	<u>(2.3)</u>
<u>Touch-Up</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Repair</u>	<u>420</u>	<u>(3.5)</u>	<u>360</u>	<u>(3.0)</u>
<u>Silicone-Release</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>High-Performance Architectural</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Camouflage</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Vacuum-Metalizing</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Mold-Seal</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>High-Temperature</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Electric-Insulating Varnish</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Pan-Backing</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Pretreatment Wash Primer</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Clear</u>	<u>520</u>	<u>(4.3)</u>	<u>520</u>	<u>(4.3)</u>
<u>Drum (New, Exterior)</u>	<u>340</u>	<u>(2.8)</u>	<u>340</u>	<u>(2.8)</u>
<u>Drum (New, Interior)</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Drum (Reconditioned, Exterior)</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>
<u>Drum (Reconditioned, Interior)</u>	<u>500</u>	<u>(4.2)</u>	<u>500</u>	<u>(4.2)</u>

<u>Coating Category</u>	<u>Air-Dried</u>		<u>Baked</u>	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
<u>Chemical Agent Resistant</u>	<u>420</u>	<u>(3.5)</u>	<u>420</u>	<u>(3.5)</u>

*A General Coating is a Coating that does not meet a specific Coating category definition and is assumed to be a general use Coating and subject to the VOC limit for a General Coating.

[District Rule 1115]

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:

LIMITS

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

<u>Coating</u> <u>(lb/gal)</u>	<u>Air Dried</u>		<u>Baked</u>	
	<u>g/L</u>	<u>(lb/gal)</u>	<u>g/L</u>	<u>(lb/gal)</u>
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)
Prefabricated Architectural				
Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone Release	420	(3.5)	420	(3.5)
High Performance				
Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum Metalizing	420	(3.5)	420	(3.5)
Mold Seal	420	(3.5)	420	(3.5)
High Temperature	420	(3.5)	420	(3.5)
Electric Insulating Varnish	420	(3.5)	420	(3.5)
Pan Backing	420	(3.5)	420	(3.5)
Pretreatment Wash Primer	420	(3.5)	420	(3.5)
Clear Coating	520	(4.3)	520	(4.3)

[District Rule 1115]

3132. Owner/Operator's use of *Automotive Refinishing Operations* at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in Rule 1116, as listed below:

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

Table 1 - Coating Categories and VOC Limits

Coating Categories	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)
	Effective on and after 7/1/2011
Adhesion Promoter	540 (4.5)
Clear Coating	250 (2.1)
Color Coating	420 (3.5)
Multi-color Coating	680 (5.7)
Pretreatment Coating	660 (5.5)
Primer	250 (2.1)
Primer Sealer	250 (2.1)
Single-stage Coating	340 (2.8)
Temporary Protective Coating	60 (0.5)
Truck Bed Liner Coating	310 (2.6)
Underbody Coating	430 (3.6)
Uniform Finish Coating	540 (4.5)
Any Other Coating Type	250 (2.1)

Table 2 - Coating Categories and VOC Limits

Coating Categories	VOC Regulatory Limit, as applied, in grams per Liter (pounds per gallon)	
	Group I Vehicles* Effective prior to 7/1/2011	Group II Vehicles** Effective prior to 7/1/2011

Pretreatment Wash Primer	780 (6.5)	780 (6.5)
Primer	250 (2.1)	250 (2.1)
Primer Sealer	250 (2.1)	340 (2.8)
Topcoat	340 (2.8)	420 (3.5)
Metallic Topcoat	420 (3.5)	420 (3.5)
Extreme Performance	420 (3.5)	420 (3.5)

*Group 1 Vehicles are public transit buses and mobile equipment including but not limited to: truck bodies, truck trailers, utility bodies, camper shells, mobile cranes, bulldozers, street cleaners, golf carts, and implements of husbandry, where color match is not required.

**Group 2 Vehicles are passenger cars; large/heavy duty truck cabs and chassis with a manufacturer's gross vehicle weight over 10,000 pounds; light and medium duty trucks and vans having a manufacturer's gross vehicle weight rating of 10,000 pounds or less; and motorcycles; and Group 1 Vehicles where color match is required.

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

(2) Most Restrictive VOC Limit

- (a) If anywhere on the container of any Automotive Coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the Coating meets the definition of, or is recommended for use of, more than one of the Coating categories listed in subsection (C)(1)(a) and (b), then the lowest applicable VOC content limit in Table 1 and Table 2 shall apply.

(3) Alternative Compliance

- (a) Emission Control System

A Person may comply with the provisions of subsection (C)(1) by using an approved Emission Control System consisting of collection and control devices, that is approved, in writing, by the APCO for reducing emissions of VOC. The APCO shall approve such Emission Control Systems only if the VOC emissions resulting from the use of non-compliant Automotive Coatings will be reduced to a level equivalent to or lower than that which would have been achieved by the compliance with the terms of subsection (C)(1). The approved Emission Control System must achieve a control efficiency of at least 85 percent.

[District Rule 1116]

~~3233~~. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - *Federal Operating Permits*).

[District Regulation XII]

3334.– Owner/Operator shall comply with all requirements of Rule 1211 - *Greenhouse Gas Provisions of Federal Operating Permits*. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.
 [District Rule 1211]

345.– Owner/Operator’s use of Internal Combustion Engines at this facility shall comply with the applicable requirements of Rule 1116. This rule applies to any stationary Internal Combustion Engine rated at 50 or more brake horsepower (bhp) other than those exempted in Section D of the Rule, when located within the Federal Ozone Non-attainment Area.

(a) Emissions Limits

(1) NO_x Emissions

a. Internal Combustion Engines subject to this rule shall not exceed the following emission limits in Table 1, unless compliance is demonstrated using an Alternative Compliance Strategy pursuant to subsection (C)(2) of this rule.

<u>Table 1</u> <u>NO_x Emission Limits for Internal Combustion Engines</u>	
<small>(ppmv limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes)</small>	
<u>Engine Type</u>	<u>NO_x Limit</u>
<u>Spark-Ignited Internal Combustion Engine, Rich Burn</u>	<u>50 ppmv</u>
<u>Spark-Ignited Internal Combustion Engine, Lean Burn</u>	<u>125 ppmv</u>
<u>Compression-Ignited Internal Combustion Engine</u>	<u>80 ppmv</u>

(2) VOC Emissions

a. Internal Combustion Engine(s) subject to this rule shall not exceed the following emission limits for VOC, as listed in Table 2, unless compliance is demonstrated using an Alternative Compliance Strategy pursuant to subsection (C)(2) of this rule.

b. Internal Combustion Engines located at the Facility of Southern California Gas, Newberry Springs shall not exceed the VOC limit of 255 ppmv, referenced at 15 percent, volume stack gas, oxygen measured on a dry basis and averaged over 15 consecutive minutes.

<u>Table 2</u> <u>VOC Emission Limits for Internal Combustion Engines</u>	
<small>(ppmv limitations shall be referenced at 15 percent, volume stack gas, oxygen measured on a dry basis and averaged over 15 consecutive minutes)</small>	

<u>Engine Type</u>	<u>VOC Limit</u>
<u>Spark-Ignited Internal Combustion Engine, Rich Burn</u>	<u>106 ppmv</u>
<u>Spark-Ignited Internal Combustion Engine, Lean Burn</u>	<u>106 ppmv</u>
<u>Compression-Ignited Internal Combustion Engine</u>	<u>106 ppmv</u>

ε(iii) CO Emissions

a.(i) Internal Combustion Engines subject to this rule shall not exceed the following emission limits in Table 3, unless compliance is demonstrated using an Alternative Compliance Strategy pursuant to subsection (C)(2) of this rule.

<u>Table 3</u> <u>CO Emission Limits for Internal Combustion Engines</u>	
<small>(ppmv limitations shall be referenced at 15 percent volume stack gas oxygen measured on a dry basis and averaged over 15 consecutive minutes)</small>	
<u>Engine Type</u>	<u>CO Limit</u>
<u>Spark-Ignited Internal Combustion Engine, Rich Burn</u>	<u>4500 ppmv</u>
<u>Spark-Ignited Internal Combustion Engine, Lean Burn</u>	<u>4500 ppmv</u>
<u>Compression-Ignited Internal Combustion Engine</u>	<u>4500 ppmv</u>

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

1. Any data and records generated and/or kept pursuant to the requirements in this federal operating permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data, or logs shall be supplied to District, state, or federal personnel upon request.
 [District Rule 1203(D)(1)(d)(ii) and 40 CFR 70.6(a)(3)(ii)(B)]

2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the *Written Test Protocol* accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved *Written Test Protocol* may be used with District concurrence.
 [District Rule 204]

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

of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent).

Vendor data meeting this requirement are sufficient.

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

[District Rule 204]

[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. (a) Owner/Operator shall submit Compliance Certifications as prescribed by District Rule 1203(F)(1) and District Rule 1208, in a format approved by MDAQMD. Compliance Certifications by a Responsible Official shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
- (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
- (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (U.S.C.) §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[District Rule 1203 (D)(1)(g)(x)]
- (d) On an annual basis, of any given year, Owner/Operator shall submit a Compliance Certification Report to the APCO/District pursuant to District Rule 1203 on the following schedule:

<u>Report covering 9/15 – 9/14</u>	<u>Due by 10/15</u>
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Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator. Compliance Certification Form/Format shall be obtained from MDAQMD Compliance Section.

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

~~On an annual basis, of any given year, Owner/Operator shall submit a Compliance Certification Report, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the Air Pollution Control Officer (APCO)/ District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.~~

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

5. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the Air Pollution Control Officer (APCO)/-District. Each *Monitoring Report* shall be submitted each semi-annual compliance period on the following schedule:

<u>Report covering 9/1 – 2/28</u>	<u>Due by 3/31</u>
<u>Report covering 3/1 – 8/31</u>	<u>Due by 9/30</u>

This *Monitoring Report* shall be certified to be true, accurate, and complete by “The Responsible Official” and shall include the following information and/or data:

- (a) Summary of deviations from any federally enforceable requirement in this permit.
- (b) ~~Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.~~
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD.

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

~~Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the Air Pollution Control Officer (APCO)/District. Each *Monitoring Report* must cover the reporting periods from February 28th to August 31st and from August 31st to February 28th, and be postmarked by the 30 day of the end of the reporting period. 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:~~

- ~~Summary of deviations from any federally enforceable requirement in this permit.~~
- ~~(b) ~~Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.~~~~
 - ~~(c) ~~Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.~~~~

~~An alternate Monitoring Report format may be used upon prior approval by MDAQMD.~~

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

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.

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

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.
[District Rule 430]
 - (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 during the 5-year permit term, then Owner/Operator shall obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (District Rules 501 - 518). In addition, Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with District Rule 1201(I)(3)(iii) and shall include:
- (a) A narrative description of how the facility will achieve compliance with such requirements; and
 - (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
 - (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.
[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(e)(ii); and District Rule 1203 (D)(1)(g)(v)]

C. **FACILITY-WIDE COMPLIANCE CONDITIONS:**

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.
[40 CFR 70.6(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); 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 Air Pollution Control Officer (APCO) / District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.
[40 CFR 61.145.b]
9. Owner/Operator shall notify the Air Pollution Control Officer (APCO) / District, on an

annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].
[40 CFR 61.145.b]

10. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]

11. Pursuant to 40 CFR 63, Subpart HHHHHH—National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations. [40 CFR 63.11170(a)(1)]

12. Pursuant to 40 CFR 63, Subpart HHHHHH—National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd). [40 CFR 63.11170(a)(3)]

13. Pursuant to 40 CFR 63, Subpart XXXXXX—National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in Table 1 of this subpart. “Primarily engaged” is defined in 40 CFR 63.11522
 - (a) Electrical and Electronic Equipment Finishing Operations;
 - (b) Fabricated Metal Products;
 - (c) Fabricated Plate Work (Boiler Shops);
 - (d) Fabricated Structural Metal Manufacturing;
 - (e) Heating Equipment, except Electric;
 - (f) Industrial Machinery and Equipment Finishing Operations;
 - (g) Iron and Steel Forging;
 - (h) Primary Metal Products Manufacturing; and
 - (i) Valves and Pipe Fittings.[40 CFR 63.11514(a)]

14. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.
[Consolidated Emissions Reporting Rule, 40 CFR 51, Subpart A and District Rule 1302(C)(2)(a)] ***District and State Applicability only.***

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

- A. OPEN ABRASIVE BLASTING SYSTEM - NO. 1; MDAQMD Permit # A002432: One Kelco Abrasive Blasting Machine, model K1258 with 900 lbs capacity. Serial No. 12548.**
- B. OPEN ABRASIVE BLASTING SYSTEM - NO. 2; MDAQMD Permit # A002433: One Kelco Abrasive Blasting Pot, model K125 with 900 lbs capacity. Serial No. 12544.**
- C. OPEN ABRASIVE BLASTING SYSTEM - NO. 3; MDAQMD Permit # A002435: One Kelco Abrasive Blasting Pot, model K125 with 900 lbs capacity. Serial No. 10884.**
- D. OPEN ABRASIVE BLASTING SYSTEM - NO. 4; MDAQMD Permit # A002436: One Kelco Abrasive Blasting Pot, model K125 with 900 lbs capacity. Serial No. 4983.**
- E. OPEN ABRASIVE BLASTING SYSTEM - NO. 5; MDAQMD Permit # A002434: One union Oil Abrasive Blasting Pot, with 1,000 lbs capacity. Serial No. 150.**

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

- 1. This equipment shall only be operated and maintained in strict accord with the manufacturer's recommendations.
- 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.
- 3. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]
- 4. This open abrasive blasting system shall only be used when one or more of the following conditions are met:
 - (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.

[Title 17 CCR 92500(b)] ***District and State Applicability only.***

5. Any open abrasive blasting conducted in accordance with (b) or (c) in condition 4 must use, exclusively:
 - (a) Abrasives certified for permissible dry outdoor blasting by the California Air Resources Board (CARB) pursuant to Title 17 CCR 92530;
 - (b) Wet abrasive blasting;
 - (c) Vacuum blasting; or,
 - (d) Hydroblasting or steel or iron shot/grit, if (b) or (c) is met in condition 4. Additionally, steel or iron shot/grit is the only abrasive allowed for (a) in condition 4. [Title 17 CCR 92500(c)(4)] ***District and State Applicability only.***
6. This open abrasive blasting system must be operated such that no visible emissions from the equipment result in an opacity greater than 20 percent on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. Compliance with this condition shall be demonstrated by weekly Visible Emission Determinations (VED) pursuant to the method described in condition 10, below, or by using USEPA Method 22, and USEPA Method 9, if necessary. The results of these VEDs shall be recorded and retained, for at least five (5) years, in a log made available to the District upon request.
[District Rule 401(a)]
7. This open abrasive blasting system must be operated such that no visible fugitive dust is visible in the atmosphere beyond the property line of this facility, verified by weekly Visible Emission Determinations (VED) when the equipment is in use. The monitoring method is as follows:
 - (a) Ensure that the observer's back is to the sun. Observe the property line for a period of one minute, and designate the emission point as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must shut down the equipment immediately.
 - (b) A VED must be made at each property line to ensure compliance with this condition.
 - (c) VED date, location, and result must be recorded and retained, for at least five (5) years, in a log made available to the District upon request.
[District Rule 403(a) and 40 CFR 70.6 (a)(3)(B)]
8. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The permit number of the blaster used, the daily hours of operation for each

blaster, and a brief description of each blasting project. These daily recordings shall be used to calculate the monthly PM emission rate in average pounds per day, pursuant to condition 3(b) using emission factors as approved by the District. (~~emission factors for PM from open blasting are 22 pounds of PM per hour, 16.45 pounds of PM₁₀ per hour and 1.645 pounds of PM_{2.5} per hour.~~)

- (b) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 3(c).
- (c) The type of blasting media used and the CARB certification number, pursuant to condition 5.
- (d) The weekly VEDs pursuant to condition 7.
[District Rule 1302 (C)(2)(a) and 40 CFR 70.6 (a)(3)(B)]

9. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations.
~~[40 CFR 63.11170(a)(1)]~~

10. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
~~[40 CFR 63.11170(a)(3)]~~

11. Pursuant to 40 CFR 63, Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in Table 1 of this subpart. "Primarily engaged" is defined in 40 CFR 63.11522-.
~~(a) -Electrical and Electronic Equipment Finishing Operations;
(b) -Fabricated Metal Products;
(c) -Fabricated Plate Work (Boiler Shops);
(d) -Fabricated Structural Metal Manufacturing;
(e) -Heating Equipment, except Electric;
(f) -Industrial Machinery and Equipment Finishing Operations;
(g) -Iron and Steel Forging;
(h) -Primary Metal Products Manufacturing; and
(i) -Valves and Pipe Fittings.
[40 CFR 63.11514(a)]~~

12. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request. [District Rule 1302(C)(2)(a) and 40 CFR 51, Subpart A]

F. WHEEL BLAST EQUIPMENT - MDAQMD Permit # A012781: Wheelabrator LE RC 4 Shot Blast Machine.

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

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. [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. [Rule 204]
3. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C012782. [Rules 1302 and 1303]
4. This unit shall only use steel shot abrasive media exempt from certification requirements of the California Air Resources Board (CARB).[Rules 1302 and 1303] ***District and State Applicability only.***
5. This abrasive blasting system must be operated such that no visible emissions from the equipment result in an opacity greater than 20 percent on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. Compliance with this condition shall be demonstrated by weekly Visible Emission Determinations (VED) pursuant to the method described in condition 6, below, or by using USEPA Method 22, and USEPA Method 9, if necessary. The results of these VEDs shall be recorded and retained, for at least five (5) years, in a log made available to the District upon request.
[District Rule 401(a)]
6. This abrasive blasting system must be operated such that no visible fugitive dust is visible in the atmosphere beyond the property line of this facility, verified by weekly Visible Emission Determinations (VED) when the equipment is in use. The monitoring method is as follows:
 - (a) Ensure that the observer's back is to the sun. Observe the property line for a period of one minute, and designate the emission point as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must shut down the equipment immediately.
 - (b) A VED must be made at each property line to ensure compliance with this condition.
 - (c) VED date, location, and result must be recorded and retained, for at least five (5) years, in a log made available to the District upon request.
[District Rule 403(a) and 40 CFR 70.6 (a)(3)(B)]

7. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]

8. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The date of use and the hours operated that day
 - (b) PM emissions associated with the operation of this equipment which shall be incorporated into the calculation of facilitywide average lb/day PM emissions pursuant to permit condition 7.
 - (c) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 7.
 - (e) The weekly VEDs pursuant to condition 6.
[District Rule 1302 (C)(2)(a) and 40 CFR 70.6 (a)(3)(B)]

9. 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 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

G. PIPE CLEANING AND APPLICATION LINE: MDAQMD Permit Number B002427; including the following equipment:

Pre-heater system with sixteen (16), exempt, natural gas burner heads rated at 9,800 BTU each for a total of 0.157 million BTU/hr.

One abrasive blast/shot-cleaning machine.

One primer reservoir assembly and adjustable double squeegee system.

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with the manufacturer's recommendations.

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.
3. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]
4. This equipment shall not be operated unless vented to air pollution control equipment operating under valid District permit C002428.
5. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The daily hours of operation for the entire system. These daily recordings shall be used to calculate the monthly PM emission rate in average pounds per day, pursuant to condition 3(b) (emission factors for PM from blasting associated with this equipment are 22 pounds of PM per hour, 16.45 pounds of PM₁₀ per hour and 1.645 pounds of PM_{2.5} per hour. At 99.9% control efficiency of the associated air pollution control device (C002428) the controlled emission factors are 0.022, 0.0164 and 0.0016 pounds per hour, respectively).
 - (b) The amount of coatings, linings, and solvents applied in gallons per day and the corresponding VOC content in pounds of VOC per gallon. These daily recordings shall be used to calculate the monthly ROG emission rate in average pounds per day, pursuant to condition 3(a).
 - (c) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 3(c).
 - (d) The annual hours of operation of the heating burners (for CEIR purposes). [District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]
6. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations.
-[40 CFR 63.11170(a)(1)]

7. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
-[40 CFR 63.11170(a)(3)]

8. Pursuant to 40 CFR 63, Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in Table 1 of this subpart. "Primarily engaged" is defined in 40 CFR 63.11522.
 - (a) -Electrical and Electronic Equipment Finishing Operations;
 - (b) -Fabricated Metal Products;
 - (c) -Fabricated Plate Work (Boiler Shops);
 - (d) -Fabricated Structural Metal Manufacturing;
 - (e) -Heating Equipment, except Electric;
 - (f) -Industrial Machinery and Equipment Finishing Operations;
 - (g) -Iron and Steel Forging;
 - (h) -Primary Metal Products Manufacturing; and
 - (i) -Valves and Pipe Fittings.-[40 CFR 63.11514(a)]

9. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.
[District Rule 1302(C)(2)(a) and 40 CFR 51, Subpart A]

H. PIPE COATING AND WRAPPING LINE: MDAQMD Permit Number B002429; including the following equipment:

Pre-heater system with twenty-five (25), exempt, natural gas burner heads rated at 9,800 BTU each for a total of 0.245 MMBTU/hr
One CL-MPHT-5000 Hot Enamel Holding Tank
One CL-MPCM-36 Coal Tar Coat & Wrap Machine

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.

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.

3. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]
4. This equipment shall not apply coal tar unless vented to air pollution control equipment operating under valid District permit C002430.
5. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The amount of adhesive and coal tar applied per day in gallons and the corresponding VOC content in pounds VOC per gallon. These daily recordings shall be used to calculate the monthly VOC emission rate in average pounds per day, pursuant to condition 3(a).
 - (b) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 3(c).
 - (c) The annual hours of operation of the heating burners (for CEIR purposes). [District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]
6. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations.
-[40 CFR 63.11170(a)(1)]
7. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
[40 CFR 63.11170(a)(3)]
8. Pursuant to 40 CFR 63, Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in

Table 1 of this subpart. "Primarily engaged" is defined in 40 CFR 63.11522.

- (a) -Electrical and Electronic Equipment Finishing Operations;
 - (b) -Fabricated Metal Products;
 - (c) -Fabricated Plate Work (Boiler Shops);
 - (d) -Fabricated Structural Metal Manufacturing;
 - (e) -Heating Equipment, except Electric;
 - (f) -Industrial Machinery and Equipment Finishing Operations;
 - (g) -Iron and Steel Forging;
 - (h) -Primary Metal Products Manufacturing; and
 - (i) -Valves and Pipe Fittings.
- [40 CFR 63.11514(a)]

9. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.
-[District Rule 1302(C)(2)(a) and 40 CFR 51, Subpart A]

I. CEMENT MORTAR BATCH PLANT: MDAQMD Permit Number B007998;
including the following equipment:

A cement mortar lining machine with the following equipment (note that the pipe spinner and mortar blower are not subject to permitting):

- Cement mortar mixer, with 5 hp motor.
- Drive motor, 3 hp.
- Pump motor, 10 hp.
- Sand hopper, w/ 30,000 lb scale.
- Cement silo, 70,000 lb capacity, with bin vent dust collector.
- 24" x 24' belt conveyor, with 5 hp motor.

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.
3. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per

year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>.

~~-[District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]~~

4. Materials processed shall contain sufficient natural and/or added moisture to ensure compliance with District rules, such as, but not limited to, 401, 402, and 403. Sufficient water and equipment to properly wet the material being processed shall be maintained in operable condition and used as necessary to ensure compliance.
5. The associated bin vents and dust collector must be operated and maintained to ensure compliance with those rules stated in Condition 4.[District Rules 204, 1303 and Regulation IV]
~~The bin vent must be operated and maintained to ensure compliance with those Rules stated in Condition 4 above.~~
6. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The daily amount of cement and sand used in the cement mortar batch plant shall be recorded in pounds. These daily recordings shall be used to calculate the monthly PM emission rate in average pounds per day pursuant to condition 3(b) (emission factors for PM from the cement mortar batch plant are 2.118E-05pounds of PM per pound of wet mix material, 9.761E-06 pounds of PM₁₀ per pound of wet mix material and 9.731E-07 pounds of PM_{2.5} per hour).
 - (b) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 3(c).~~[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]~~
7. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations.
~~-[40 CFR 63.11170(a)(1)]~~
8. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd).
~~-[40 CFR 63.11170(a)(3)]~~
9. Pursuant to 40 CFR 63, Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source

Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in Table 1 of this subpart. "Primarily engaged" is defined in 40 CFR 63.11522.

- (a) -Electrical and Electronic Equipment Finishing Operations;
 - (b) -Fabricated Metal Products;
 - (c) -Fabricated Plate Work (Boiler Shops);
 - (d) -Fabricated Structural Metal Manufacturing;
 - (e) -Heating Equipment, except Electric;
 - (f) -Industrial Machinery and Equipment Finishing Operations;
 - (g) -Iron and Steel Forging; (h) Primary Metal Products Manufacturing; and
 - (i) -Valves and Pipe Fittings.
- [40 CFR 63.11514(a)]

10. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.
-[District Rule 1302(C)(2)(a) and 40 CFR 51, Subpart A]

J. MDAQMD Permit Number C002428; DUST COLLECTOR SYSTEM; Model No. CPJ-44-DC, venting the Abrasive Blast Cleaning Machine. (for Pipe Cleaning & Application Line under B002427):

Manufacturer: Center Line Equipment
Model No.: CPJ-44-DC
Number of Bags: 16
Type of Cloth: Resin Impregnated Cellulose Fibers
A/C Ratio: 1.4:10
Horsepower: 10

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.
3. This equipment shall be operated when the Pipe Cleaning and Application Line (B002427) is operating.
4. The owner/operator shall have on-site at all times, a minimum inventory of replacement filters to maintain compliance with these conditions at all times.
5. This air pollution control device shall be equipped with a differential pressure gauge,

which shall be maintained between 1 and 7 inches of water column during operation.

6. This air pollution control device must be operated such that no visible emissions from the equipment result in an opacity greater than 20 percent on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. Compliance with this condition shall be demonstrated by monthly Visible Emission Determinations (VED) using USEPA Method 22, and USEPA Method 9, if necessary, pursuant to condition 7, below.
[District Rule 401(a)]

7. The owner/operator must conduct a minimum program of inspection and maintenance on this equipment inclusive of the following:
 - (a) Each day this unit is operated the pressure drop reading shall be recorded in inches of water column.
 - (b) Once a week a calibration check on the pressure gauge must be recorded by checking for a 'zero reading' before the unit is in operation.
 - (c) A monthly Visible Emission Determination (VED) and result must be recorded using the following procedures: Ensure that the observer's back is to the sun or artificial light, the observation spot provides a clear view of the emission point(s), observe the emission point(s) for a period of one minute, and designate the emission point(s) as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must conduct a Visible Emission Evaluation using USEPA Method 22, and USEPA Method 9, on each dusting emission point if necessary, or shut down the equipment immediately; and,
 - (d) Quarterly bag/filter and bag/filter suspension system inspections.
[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

8. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum the following information:
 - (a) The daily operating pressure drop readings and dates;
 - (b) The weekly 'zero reading' calibration dates;
 - (c) The monthly VDE dates, locations, and results; and,
 - (d) The dates and results of the quarterly bag/filter and bag/filter suspension system inspections.
[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

K. MDAQMD Permit Number C012493; DUST COLLECTOR SYSTEM; (for Cement Silo under Cement Mortar Batch Plant B007998):

Manufacturer: Flex Kleen
Model No.: 84-BVBS-16IIG
Serial:10-52-17933
No. of Filters: 14
Type of Cloth: 100% Polyester

A/C Ratio: 6.7:1 at 1140 acfm
Horsepower: 3

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.
3. This equipment shall be operated when the Cement Silo under the Cement Mortar Batch Plant (B007998) is being loaded or unloaded.
4. The owner/operator shall have on-site at all times, a minimum inventory of replacement filters to maintain compliance with these conditions at all times.
5. This air pollution control device shall be equipped with a differential pressure gauge, which shall be maintained between 1 and 7 inches of water column during operation.
6. This air pollution control device must be operated such that no visible emissions from the equipment result in an opacity greater than 20 percent on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. Compliance with this condition shall be demonstrated by monthly Visible Emission Determinations (VED) using USEPA Method 22, and USEPA Method 9, if necessary, pursuant to condition 7, below.
[District Rule 401(a)]
7. The owner/operator must conduct a minimum program of inspection and maintenance on this equipment inclusive of the following:
 - (a) Each day this unit is operated the pressure drop reading shall be recorded in inches of water column.
 - (b) Once a week a calibration check on the pressure gauge must be recorded by checking for a 'zero reading' before the unit is in operation.
 - (c) A monthly Visible Emission Determination (VED) and result must be recorded using the following procedures: Ensure that the observer's back is to the sun or artificial light, the observation spot provides a clear view of the emission point(s), observe the emission point(s) for a period of one minute, and designate the emission point(s) as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must conduct a Visible Emission Evaluation using USEPA Method 22, and USEPA Method 9, on each dusting emission point if necessary, or shut down the equipment immediately; and,
 - (d) Quarterly bag/filter and bag/filter suspension system inspections.[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

8. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum the following information:
- (a) The daily operating pressure drop readings and dates;
 - (b) The weekly 'zero reading' calibration dates;
 - (c) The monthly VDE dates, locations, and results; and,
 - (d) The dates and results of the quarterly bag/filter and bag/filter suspension system inspections.

[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

KL. MDAQMD Permit Number C012782; DUST COLLECTOR SYSTEM; 3300 CFM dust collector, venting the Wheelabrator Abrasive Blast Machine. (under A012781):

Manufacturer: Wheelabrator

Model No.: 33 MPF, modular pulse type

Number of Bags: 9

A/C Ratio: 1.8:1

Horsepower: 7.5

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.
3. This equipment shall be operated when the Wheel Blast Equipment (A012781) is operating.
4. The owner/operator shall have on-site at all times, a minimum inventory of replacement filters to maintain compliance with these conditions at all times.
5. This air pollution control device shall be equipped with a differential pressure gauge, which shall be maintained between 1 and 7 inches of water column during operation.
6. This air pollution control device must be operated such that no visible emissions from the equipment result in an opacity greater than 20 percent on the Ringelmann Chart for a period or periods aggregating more than three (3) minutes in any one hour. Compliance with this condition shall be demonstrated by monthly Visible Emission Determinations (VED) using USEPA Method 22, and USEPA Method 9, if necessary, pursuant to condition 7, below.

[District Rule 401(a)]

7. The owner/operator must conduct a minimum program of inspection and maintenance on this equipment inclusive of the following:
 - (a) Each day this unit is operated the pressure drop reading shall be recorded in inches of water column.
 - (b) Once a week a calibration check on the pressure gauge must be recorded by checking for a 'zero reading' before the unit is in operation.
 - (c) A monthly Visible Emission Determination (VED) and result must be recorded using the following procedures: Ensure that the observer's back is to the sun or artificial light, the observation spot provides a clear view of the emission point(s), observe the emission point(s) for a period of one minute, and designate the emission point(s) as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must conduct a Visible Emission Evaluation using USEPA Method 22, and USEPA Method 9, on each dusting emission point if necessary, or shut down the equipment immediately; and,
 - (d) Quarterly bag/filter and bag/filter suspension system inspections.
[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

8. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum the following information:
 - (a) The daily operating pressure drop readings and dates;
 - (b) The weekly 'zero reading' calibration dates;
 - (c) The monthly VDE dates, locations, and results; and,
 - (d) The dates and results of the quarterly bag/filter and bag/filter suspension system inspections.
[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

LM. MDAQMD Permit Numbers C002430; HIGH PRESSURE WATER SCRUBBER SYSTEM; Model No. CL-MPSC-60, venting the Coating and Wrapping Machine, including the following equipment:

3,500 gallons water reservoir, Fog Nozzles.

Fog Nozzles – 36 Bete Fog Nozzle, model TF8FCCN, with a flow rate of 3.18 gpm, each, and 114.48 gpm combined.

220 GPM Marlow water pump, model 37-Hei-110 with 7" impeller powered by a 15 hp electric motor.

34" tube axle fans powered by one 5 hp electric motor each:

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.

3. This equipment shall be operated when the Pipe Coating and Wrap Line (B002429) is operating.
4. The water flow to this scrubber shall be equal to or greater than 114 gallons per minute at 60 psig).
5. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum the following information:
 - (a) The daily water flow in gallons per minute and date;
 - (b) The daily water pressure reading in psig and date; and,
 - (c) The date and nature of any repairs made to this equipment.[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

MN. Requirements Applicable to MDAQMD Permit Number S002431, OPEN SPRAY STATION FOR PIPE SECTIONS; consisting of:

Spray guns for applying coatings with VOCs:

- 1 - Graco, Silver Plus Guns - 160, Airless Gun
- 1 - Graco, Silver Plus Guns - 92G, Airless Gun,
- 1 - Graco, Silver Plus Guns - KIG, Airless Gun
- 1 - Binks 2001

Spray guns for applying coatings with 100% solid and 0% VOCs (coatings are electrical heated to 100 – 120^oF prior to applying)

- 1 - Graco, XTR-5 - Airless Spray Gun
- 1 - Graco, XTR-7 - Airless Spray Gun
- 1 - Graco, Fusion MP – Mechanical Purge Spray gun
- 1 – Binks, 43P (43PA) – Airless Spray Gun
- 1 – Binks, 43PA – Airless Spray Gun

PERMIT CONDITIONS APPLICABLE TO THE ABOVE EQUIPMENT:

1. This equipment shall only be operated and maintained in strict accord with manufacturer's recommendations.
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.

3. Emissions from this facility, including all stationary, portable and fugitive emissions, may not exceed the following emission limits:
 - (a) 250 pounds per day of Reactive Organic Gases, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (b) 250 pounds per day of Particulate Matter, calculated and recorded, in average pounds per day, on a calendar month basis. [District Rule 1302 (C)(2)(a)]
 - (c) 9.9 tons per year of a single Hazardous Air Pollutant (HAP) and/or 24.9 tons per year of any combined HAPs, calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. The list of HAPs can be found in Section 112(b)(1) of the Federal Clean Air Act or at web site: <http://www.epa.gov/ttn/atw/188polls.html>. [District Rule 1320 (B)(3)(a) and Title 40 CFR 63 subpart A]

4. The owner/operator (o/o) is allowed to coat metal parts with an air-atomized spray tip gun when coating internal and inset surfaces of pipes with an inside diameter of 24 inches or less.
[District Rule 1115 (C)(1)(a)(v)]

5. The owner/operator shall not apply any coating to metal pipes, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contains VOC in excess of 3.5 pounds of VOC per gallon or less.
[District Rule 1115 (C)(2)(a)(i)]

6. A daily operations log shall be maintained on-site, for at least five (5) years, and made available to District personnel on request. This log shall contain, as a minimum, the following information:
 - (a) The amount of coatings and solvents applied per day in gallons and the corresponding VOC content in pounds VOC per gallon. These daily recordings shall be used to calculate the monthly VOC emission rate in average pounds per day, pursuant to condition 3(a).
 - (b) The HAP emissions, calculated in tons, for each consecutive twelve month period to verify compliance with condition 3(c).[District Rule 1302 (C)(2)(a), 40 CFR 70.6 (a)(3)(B)]

7. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not conduct any paint stripping operations on any substrate that use methylene chloride (MeCl)-containing paint stripping formulations.
-[40 CFR 63.11170(a)(1)]

8. Pursuant to 40 CFR 63, Subpart HHHHHH National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, this facility shall not spray apply coatings to metal and plastic surfaces that contain compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or

cadmium (Cd).

-[40 CFR 63.11170(a)(3)]

9. Pursuant to 40 CFR 63, Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories, this facility shall not be primarily engaged in the operations in one of the nine source categories listed below. Descriptions of these source categories are shown in Table 1 of this subpart. "Primarily engaged" is defined in 40 CFR 63.11522
- (a)- Electrical and Electronic Equipment Finishing Operations;
 - (b)- Fabricated Metal Products;
 - (c) -Fabricated Plate Work (Boiler Shops);
 - (d)- Fabricated Structural Metal Manufacturing;
 - (e)- Heating Equipment, except Electric;
 - (f)- Industrial Machinery and Equipment Finishing Operations;
 - (g)- Iron and Steel Forging;
 - (h)- Primary Metal Products Manufacturing; and
 - (i)- Valves and Pipe Fittings.
- [40 CFR 63.11514(a)]
10. The facility must submit a Comprehensive Emissions Inventory Report (CEIR) to the District, in a format approved by the District, upon District request.
-[District Rule 1302(C)(2)(a) and 40 CFR 51, Subpart A]

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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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); District 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):

B. OFF PERMIT CHANGES:

I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:

A. Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of District Rule 219; and

1. The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See District Rule 1203(E)(1)(c)(i)d]*
 - b. A modification under Title I of the Federal Clean Air Act; or
 - c. A modification subject to Regulation XIII; and *[See District Rule 1203(E)(1)(c)(i) d]*
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See District Rule 1203(E)(1)(c)(i)c]*
 - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See District Rule 1203(E)(1)(c)(i)e]*

II. Procedure for “Off Permit” Changes

A. If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:

1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See District Rule 1203(E)(1)(c)(i)b]*
2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
 - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See District Rule 1203(E)(1)(c)(i)b]*
 - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See District Rule 1203(E)(1)(c)(i)b.]*
 - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See District Rule 1203(E)(1)(c)(i)c]*
3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See District Rule 1203(E)(1)(c)(i)a]*

- B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See District Rule 1203(E)(1)(c)(i)a and g]*
 - C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See District Rule 1203(E)(1)(c)(i)f]*
 - D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to District Rule 1202(B)(3)(b). *[See District Rule 1203(E)(1)(c)(i)f]*
- III. Other Requirements:
- A. The provisions of District Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
 - B. The provisions of District Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)][District Rule 1203(E)(1)(c)]*

PART VI
RULE APPLICABILITY

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 CFR 52.220(c)(103)(xviii)(A)]	Y	-Rule 219 was amended on 1/28/19 and is SIP Pending. This permit includes requirements from the 1/28/19 amendment of this rule which is considered to be more stringent than the currently

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)(i v)(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	-Rule 312 is a fee rule and does not ordinarily require submission to USEPA.
401	<i>Visible Emissions</i>	SB - 7/25/1977 RC - 2/4/1977 (subdivision (a)) RC - 10/15/82 (subdivi	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 (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	-Rule 401 was amended on 8/26/19 and is SIP Pending. This permit includes requirements from the 8/26/19 amendment of this rule which is considered to be more stringent than

403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	07/22/1996	SIP Pending: as amended 07/22/1996 and submitted 10/18/1996	N	
404	<i>Particulate Matter Concentration</i>	07/25/1977	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	<i>Solid Particulate Matter, Weight</i>	07/25/1977	[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 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
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	
			Applicable Version = Amended: 12/21/04		

431	<i>Sulfur Content of Fuels</i>	SB - 10/8/19 76 RC - 10/8/19 76	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>	07/25/1977	SIP: Not SIP: District Rule 441 – <i>Research Operations</i> Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]	N	
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	
900	Standard of Performance for New Stationary Sources	2/25/19	Delegated	Y	
1000	National Emissions Standards for Hazardous Air Pollutants	2/25/19	Delegated	Y	
1104	<i>Organic Solvent Degreasing</i>	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	-Rule 1104 was amended on 4/23/18 and is SIP Pending. This permit includes requirements from the 4/23/18 amendment of

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	Rule 1114 was amended on 1/22/18 and is SIP Pending. This permit includes requirements from the 1/22/18 amendment of this rule which is considered to be more stringent than the currently SIP approved version.
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	Rule 1115 was amended on 1/22/18 and is SIP Pending. This permit includes requirements from the 1/22/18 amendment of this rule which is considered to be more stringent than the currently SIP approved version.
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	
					Rule 1160 was amended on 1/22/18 and is SIP Pending. This permit includes

<u>Regulation XII</u>	<u>Federal Operating Permits</u>	<u>1201-1210: 09/26/2005</u> <u>1200 & 1211: 02/28/2011</u>	<u>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; Interim Approval 02/05/96 61 FR 4217]</u>	-	-
<u>1300</u>	<u>NSR -General</u>	<u>8/22/16</u>	<u>SIP Pending: as amended 8/22/16 and submitted 1/24/17</u>	<u>Y</u>	<u>Rule 1300 was amended on 8/22/16 and is SIP Pending. This permit includes requirements from the 8/22/16 amendment of this rule which is considered to be more stringent than the currently SIP approved version.</u>
1302	<u>NSR - Procedure</u>	<u>3/25/96</u> <u>8/22/16</u>	<u>SIP Pending: as amended 8/22/16 and submitted 1/24/17[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]</u>	Y	<u>Rule 1302 was amended on 8/22/16 and is SIP Pending. This permit includes requirements from the 8/22/16 amendment of this rule which is considered to be more stringent than the currently SIP approved version.</u>
<u>1600</u>	<u>Prevention of Significant Deterioration</u>	<u>8/22/16</u>	<u>SIP Pending: as adopted 8/22/16 and submitted 1/24/17</u>	<u>Y</u>	

MDAQMD Federal Operating Permit
Mobile Pipe Lining & Coating
Permit Number: 039701067

PART VII CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. CONVENTIONS:

The following referencing conventions are used in this federal operating permit:

- 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR Part 60, Appendix F, Quality Assurance Procedures
- 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR Part 63, National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
- 40 CFR Part 72, Permits Regulation (Acid Rain Program)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
- 40 CFR Part 75, Continuous Emission Monitoring
- 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR Part 75, Appendix D, Optional SO₂ Emissions Data Protocol
- FR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, 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:

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
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	horsepower
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