
San Diego County Air Pollution Control District

10124 Old Grove Rd
San Diego, CA 92131
(858) 586-2600

TITLE V OPERATING PERMIT APCD2003-PTO-960992

Issued To:

National Steel and Shipbuilding Company
Site ID: APCD1976-SITE-00145

Site Address

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San Diego, CA 92113
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Responsible Official –PRIMARY: Kevin Graney, VP and General Manager
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--ALTERNATE: Matthew Luxton, VP and General Counsel
Facility Contact: T. Michael Chee, Environmental Manager
Permit Information Contact: Sara Giobbi, Environmental Engineer

Issued by the San Diego County Air Pollution Control District on _____.

This Title V Operating Permit expires on _____.

Signed by: _____

Robert Kard, Air Pollution Control Officer

Date: _____

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PREAMBLE

This Title V Operating Permit consists of this document and all appendices, including District permits incorporated by reference. The facility is subject to all applicable requirements identified within this permit, unless a specific permit shield is specified within this permit. If an applicable requirement is omitted from this permit, the facility is still obligated to comply with such an applicable requirement. The permittee must comply with all of the terms listed in each section of this permit.

This permit contains five major sections: Section I contains the Regulation XIV requirements required to carry out the Title V Operating Permit program. Section II contains the requirements that are applicable to the facility on a facility-wide basis. Section III contains the requirements that are applicable to individual emission units which have been issued District permits or District registration, or which have been determined to be insignificant emission units. Section IV contains terms and requirements pertaining to variance procedures and compliance schedules, if applicable to the facility. Section V contains three appendices. Appendix A contains all the District permits incorporated within this permit. Appendix B contains a table of all SIP approved and District approved rules. Appendix C contains a list of abbreviations used within this permit.

Copies of the Rules and Regulations of the Air Pollution Control District of San Diego County and the Rules and Regulations for San Diego County contained in the State Implementation Plan (SIP) approved by EPA may be obtained at the District. Copies are also available for review at the following locations:

SD Air Pollution Control District (Library & Public Review Area)	County of SD Law Library (Downtown)	County of SD Law Library (North County)
10124 Old Grove Rd.	1105 Front St.	325 S. Melrose Suite 300
San Diego, CA 92131-1649	San Diego, CA 92101	Vista, CA 92083
(858) 586-2600	(619) 531-3900	(760) 940-4386

The current Rules and Regulations of the Air Pollution Control District of San Diego County may also be viewed and downloaded using the following internet address:

<http://www.sdapcd.org/rules/rules.html>.

The following addresses should be used to submit any certifications, reports or other information required by this permit:

SD Air Pollution Control District Compliance Division 10124 Old Grove Rd. San Diego, CA 92131-1649	USEPA Region IX Director of the Air Division Attn: Air-5 75 Hawthorne Street San Francisco, CA 94105
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SECTION I. REGULATION XIV PERMIT REQUIREMENTS

A. ADMINISTRATIVE PERMIT TERMS

1. This Title V Operating Permit expires five years from date of issuance. [Rule 1410]
2. Commencing or continuing operation under this permit to operate shall be deemed acceptance of all terms and conditions specified within this permit. This does not limit the right of the applicant to seek judicial review or seek federal EPA review of a permit term or condition. [Rule 1421]
3. This permit may be modified, revoked, reopened and reissued, or terminated by the District for cause. [Rule 1421]
4. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay the applicability of any permit condition. [Rule 1421]
5. This permit does not convey any property rights of any sort, or any exclusive privilege. [Rule 1421]
6. The need for the permittee to halt or reduce a permitted activity in order to maintain compliance with any term or condition of this permit shall not be a defense for any enforcement action brought as a result of a violation of any such term or condition. [Rule 1421]
7. In the event of challenge to any portion of this permit, the rest of the permit remains valid. [Rule 1421]
8. For the purpose of submitting compliance certifications or establishing whether or not a person has violated or is in violation of any applicable requirement in this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed. [Rule 1421]

B. RENEWAL REQUIREMENTS AND TERMS

1. The permittee shall submit a complete application for renewal of this permit to the Air Pollution Control Officer at least 12 months, but not more than 18 months, prior to permit expiration. [Rule 1410]
2. If an administratively complete application for renewal of this permit has been submitted to the Air Pollution Control Officer within the dates specified in Section I.B.1., the terms and conditions of this permit shall remain in effect and the source may continue operations under these terms and conditions until the Air Pollution Control Officer issues or denies the permit renewal. [Rule 1410]

C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to California Health and Safety Code Section 41510. [Rule 1421]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five years from their date of creation. Such records shall be maintained on-site for a minimum of three years. This requirement controls and supersedes any other record retention requirement under this permit as it pertains to, and is required by, District Rule 1421 and Title V of the Clean Air Act. [Rule 1421]
3. The permittee shall submit monitoring and recordkeeping summary reports and all other monitoring and recordkeeping reports required by this permit to the District every six months, unless a shorter time frame is required by a specific permit condition contained in Section III of this permit. Unless other dates are specified in Section III, reports for data required to be collected from January 1 through June 30, shall be submitted no later than September 1 of the calendar year, and reports for data required to be collected from July 1 through December 31, shall be submitted no later than March 1 of the following calendar year. The report for the final six months of the year may be consolidated with the annual compliance certification required below. All instances of noncompliance from federally enforceable applicable requirements shall be clearly identified in these reports. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.)
[Rule 1421(a) and (b)(1)(iii)]
4. Each calendar year, the permittee shall submit to the District and to the federal EPA an annual compliance certification, in a manner and form approved in writing by the District, for the previous calendar year that includes the identification of each applicable term or condition of the final permit for which the compliance status is being certified, the compliance status and whether the facility was in continuous or intermittent compliance during the previous calendar year, identification of the method used to determine compliance during the previous calendar year, and any other information required by the District to determine the compliance status. The annual compliance certification for a calendar year shall be submitted no later than March 1 of the following calendar year and may be consolidated with the monitoring and recordkeeping report for the last six months of the year for which compliance is certified. (Timely completion of District Certification Reports Form J1 and Form J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.)
[Rule 1421]
5. Any report submitted to the District or federal EPA pursuant to this permit to comply with a federally enforceable applicable requirement, shall be certified by a responsible official stating that, based on information and belief formed after reasonable inquiry, the report is true, accurate and complete. [Rule 1421]
6. The permittee shall make any trade secret designations of records, documents, or other information submitted to the District or federal EPA in accordance with District Rule 176. [Rule 176]

7. The permittee shall report all deviations from any and all federally enforceable permit terms and conditions including: (a) breakdowns, whether or not they result in excess emissions, (b) deviations that result in excess emissions of any regulated air pollutant, and (c) deviations from monitoring, recordkeeping, reporting and other administrative requirements that do not result in excess emissions. For deviations that result from breakdowns under District Rule 98, the permittee shall report the breakdown within two hours of detection of the breakdown and provide a follow-up written report after corrective actions have been taken. For deviations not due to a breakdown but which result in excess emissions, the permittee shall report the deviation within ten calendar days of detection. For all other deviations where no specific time frame for reporting a deviation applies, the permittee shall report the deviation at the time of the next semi-annual monitoring summary or annual compliance certification, whichever occurs first. If an underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, then the criteria for the applicable requirement shall apply. The report must include the probable cause of such deviations and any corrective actions or preventive measures taken. [Rule 1421]

D. GENERAL PERMIT REQUIREMENTS

1. The permittee shall comply with all terms and conditions of this permit. This permit consists of this document and Appendixes A, B and C. Any noncompliance with the federally applicable terms and conditions of this permit shall constitute a violation of the federal Clean Air Act. Noncompliance with any federally applicable permit term or condition of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. Noncompliance with any District permit term or condition is grounds for enforcement action by the District. [Rule 1421]
2. Upon a written request by the District, the permittee shall furnish to the District any information needed to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit; any information required to determine compliance with this permit; or any records required to be maintained pursuant to this permit. Such information shall be provided within a reasonable time, as specified within the District's written request. [Rule 1421]
3. The permittee shall pay annual fees in accordance with District Rule 40. [Rule 1421]
4. The permittee shall provide access, facilities, utilities and any necessary safety equipment for source testing and inspection upon request of the District. [Rule 19]
5. This permit shall be maintained on-site at all times and be made available to the District upon request. [Rule 1410]
6. The Rule Reference Table provided in Appendix B shall be used to determine whether a cited rule is a federally and District enforceable requirement or a District only enforceable requirement. Any new or revised District rule shall not be considered federally enforceable until the rule is approved by EPA into the SIP. In cases where SIP approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

SECTION II. FACILITY-WIDE REQUIREMENTS

A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

The permittee shall comply with the applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation.

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10	Permits Required
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan
SDCAPCD Reg. VI	132	Traffic Abatement Plan

B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS

The permittee shall comply with the generally applicable requirements specified in the Rules and Regulations cited below, unless specifically exempted by the same Rule or Regulation. These generally applicable requirements apply on a facility-wide basis to all permitted equipment, registered equipment, and insignificant activities. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more permitted emission units, the requirement is also included in Section III.A. of this permit.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	67.0	Architectural Coatings
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOC
SDCAPCD Reg. IV	67.3	Metal Parts and Products Coating
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. X	Subpart A	NSPS - General Provisions
SDCAPCD Reg. XI	Subpart A	NESHAP - General Provisions
40 CFR Part 63	Subpart A	NESHAP - General Provisions
40 CFR Part 63	Subpart II	Shipbuilding and Ship Repair (Surface Coating)
SDCAPCD Reg. XI	Subpart M, 361.145	Standard for Demolition and Renovation
SDCAPCD Reg. XI	Subpart M, 361.150	Standard for Waste Disposal for Manufacturing, Fabricating, Demolition, Renovation, and Spraying Operations
40 CFR Part 82	Subpart A	Production and Consumption Controls
40 CFR Part 82	Subpart B	Servicing of Motor Vehicle Air Conditioners
40 CFR Part 82	Subpart F	Recycling and Emissions Reduction

C. PERMIT SHIELDS

1. The permittee is granted a permit shield from enforcement action for the rules cited in the table below based on the District's determination that such rules are not applicable to any operation at this facility. Permittee shall not perform any operation or activity subject to the rules cited in the table below.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	53	Specific Air Contaminants (1/22/97, 12/9/98)
SDCAPCD Reg. IV	54	Dust and Fumes (1/22/97, 12/9/98)
SDCAPCD Reg. IV	67.4	Metal Container, Metal Closure and Metal Coil Coating Operations (5/15/96, 11/03/97)
SDCAPCD Reg. IV	67.6.2	Vapor Degreasing Operations (5/23/07)
SDCAPCD Reg. XI	361.142	Standard for Asbestos Mills (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.143	Standard for Roadways (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.144	Standard for Manufacturing (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.146	Standard for Spraying (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.147	Standard for Fabricating (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.148	Standard for Insulating Materials (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.149	Standard for Waste Disposal for Asbestos Mills (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.151	Standard for Inactive Waste Disposal Sites for Asbestos Mills and Manufacturing and Fabricating Operations (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.154	Standard for Active Waste Disposal Sites (6/4/85, 7/18/89)
SDCAPCD Reg. XI	361.155	Standard for Operations that Convert Asbestos-Containing Waste Material into Non-asbestos (Asbestos-free) Material (6/4/85, 7/18/89)
NESHAP Subpart KK	40 CFR §63.820 et seq.	Printing and Publishing Industry (5/30/96)
NESHAP Subpart Y	40 CFR §63.560 et seq.	Marine Tank Vessel Loading Operations (9/19/95)

2. Provided that the permittee maintains a record of monthly usage of wood products coating, gluing, cleaning, and washoff materials to demonstrate that the facility applies less than 250 gallons per month of wood products coating, gluing, cleaning, and washoff materials, the permittee is granted a permit shield from enforcement action for 40 CFR Part 63, Subpart JJ. [Rule 1421]
3. Provided that the permittee maintains a copy onsite of an emission inventory to demonstrate that the facility operates below the NOx Rule 69.4 threshold of 50 tons per year, the permittee is granted a permit shield from enforcement action for Rule 69.4.

D. ADDITIONAL TERMS

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas; any emission unit described in this Title V operating permit as being fired on liquid fuel shall use only California diesel, unless the emission unit permit specifies otherwise. [Rule(s) 53, 62]
2. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60 and 63.

SECTION III. EMISSION UNIT REQUIREMENTS

A. DISTRICT PERMITTED EMISSION UNITS

The District Permits listed and attached in Appendix A, including all terms and conditions of such permits, constitute the emission unit portion of this Title V Operating Permit document.

B. REGISTERED AND LEASED EMISSION UNITS

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations cited below for all registered and leased emission units, unless specifically exempted by the same Rule or Regulations.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	67.6.1	Cold Solvent Cleaning and Stripping Operations

C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with the source specific applicable requirements specified in the Rules and Regulations for all emission units not required to obtain a District Permit to Operate pursuant to Rule 11, unless specifically exempted by the same Rule or Regulations.

SECTION IV. DISTRICT-ONLY PROVISIONS

VARIANCE PROCEDURES

The permittee may seek relief from District enforcement action in the event of a breakdown in accordance with District Rule 98. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance does not provide relief from federal enforcement or citizen's suits for federally enforceable provisions. [Rule 98]

APPENDIX A: DISTRICT PERMITS

Permit Number	Source Category
000399	Plasma Cutter
000550	Emergency Generator
000610	Abrasive Blast, Portable
000616	Abrasive Blast, Portable
000802	Abrasive Blast Cell
000803	Abrasive Blast Cell
000878	Marine Coating Cell
001047	Marine Coating Cell
001048	Marine Coating Cell
001049	Marine Coating Cell
001050	Marine Coating Cell
001615	Abrasive Blast Cell
001617	Abrasive Blast Cell
001908	IC Engine, Diesel
002467	Thermal Oxidizer (LNG bunkering)
002690	Abrasive Blast, Portable
007657	Marine Coating Operations
030379	Abrasive Blast, Portable
040695	Abrasive Blast Storage
860526	Abrasive Blast, Stationary
861053	Metal Parts Coating
900255	Polyester Resin Manufacturing
900256	Fiberglass Machining
911128	Solvent Recovery Still
911437	Wood Products Coating
921303	IC Engine, Diesel
950704	IC Engine, Diesel
950705	IC Engine, Diesel
950706	IC Engine, Diesel
961422	IC Engine, Diesel
961424	IC Engine, Diesel
961425	IC Engine, Diesel
972497	Marine Coating Operations
973122	Abrasive Blast, Stationary
974936	Plasma Cutter
975149	Plasma Cutter
975360	IC Engine, Diesel
975361	IC Engine, Diesel
977754	Plasma Cutter
978048	Plasma Cutter

979491	Plasma Cutter
979955	Abrasive Blast Machine
979956	Abrasive Blast Machine
984991	Plasma Cutter
Applications Awaiting Construction Completion	
App3908	Thermal Oxidizer (marine coating)
App4024	Marine Coating
App4025	Abrasive Blasting



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-987560

PERMIT ID
APCD2010-PTO-000399

General Dynamics NASSCO
Michael T Chee
PO Box 85278 MS 22A
San Diego CA, 92186

EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 East Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Plasma cutter Avenger 3.7, Model Avenger 3 VIS 55, S/N 0560944988, with a downdraft table vented to a 18,000 cfm dust collector, Make Donaldson Torit, Model DFO3-60, S/N 2414567-1, with HEPA filters.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
1 [94E] Air Quality Inspector II

BEC: APCD2009-CON-000044

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
3. Differential pressure gauges shall be installed across the Torit dust collector and the HEPA filter system and maintained in good working order at all times. The pressure drop across the Torit dust collector shall be maintained between 0.5 and 8.0 inches of water. The pressure drop across the HEPA filter system shall be maintained between 0.2 and 8.0 inches of water. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [Rule 52]
4. This emission unit shall be equipped with a capture system which applies vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
5. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
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PERMIT ID
APCD2010-PTO-000399


6. Differential pressure gauges shall be installed across the Torit dust collector and the HEPA filter system and maintained in good working order at all times. The pressure drop across the Torit dust collector shall be maintained between 0.5 and 8.0 inches of water. The pressure drop across the HEPA filter system shall be maintained between 0.2 and 8.0 inches of water. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [Rule 52]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
8. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
9. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. Only mild steel with zinc shall be processed by this plasma cutter. (Rule 1200)
10. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
11. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD Condition Update

PERMIT ID
APCD2010-PTO-000550
APCD2010-PTO-000550

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EQUIPMENT ADDRESS
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PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Emergency Engine: John Deere, Model 6068HF485, 315 BHP, diesel fired, turbocharged, S/N PE6068L062917, Tier 3 Certified, Engine Family No. 8JDXL06.8101.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine
BEC: APCD2010-CON-000158

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

4. This engine shall only use CARB diesel fuel. (Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
6. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
 - (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.
 A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
10. The owner or operator of this engine shall install, configure, operate, and maintain this engine and control device, if any, according to the manufacturer's emission-related written instructions. The owner or operator may change only those emission-related settings that are permitted by the manufacturer. The periodic maintenance shall be conducted at least once each calendar year. (Rule 12, Rule 69.4.1, 40 CFR 60 Subpart IIII)



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App ID: APCD Condition Update

PERMIT ID
APCD2010-PTO-000550
APCD2010-PTO-000550

11. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
 - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
 - (b) manual of recommended maintenance provided by the manufacturer.(Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)
12. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
 - (a) dates and times of engine operation; whether the operation was for maintenance and testing purposes or emergency use; and the nature of the emergency, if known;
 - (b) records of periodic engine maintenance shall include the date and a description of the maintenance that was performed; and
 - (c) hours of operation for all uses other than those specified above and identification of the nature of that use.(Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
13. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. (Rule 12, Rule 69.4.1, 40 CFR 60 Subpart IIII)
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing. [Rule 69.4.1]
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
3. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. [Rule 1200, 17 CCR 93115]
7. This engine shall not operate for non-emergency use during the following periods, as applicable:
 - (a) whenever there is any school sponsored activity, if engine is located on school grounds or
 - (b) between 7:30am and 3:30pm on days when school is in session, if the engine is located within 500 feet of, but not on, school grounds. This condition shall not apply to an engine located at or near any school grounds that also serve as the students' place of residence. (17 CCR 93115)
8. Engine operation in response to notification of an impending rotating outage shall be subject to all the following restrictions:
 - (a) the utility distribution company has ordered rotating outages in the control area where the engine is located,
 - (b) the engine is operated no more than 30 minutes prior to the time when the utility distribution company officially forecasts a rotating outage in the cited control area, and
 - (c) the engine operation is terminated immediately after the utility distribution company advises that a rotating outage is no longer in effect.This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001438

PERMIT ID
APCD2005-PTO-000610


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PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Abrasive Blast Machine: Two permanently attached pots, CLEMCO, Model SC2452, 600-lb capacity each (1200-lb capacity total), Equipment No. 1322, S/N 21378/33659, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit model TD6120 or other type with a minimum 99% particulate matter arrestance; with optional Abrasive Vacuum Recovery and Re-use system: MISCO model MDC-3HV utilizing "Ultra-Web" cartridges or other cartridges with a minimum 99.9% particulate matter arrestance;

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01B] Abrasive Blasting Pot

BEC: APCD2011-CON-000302

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The equipment serial number or other unique number shall be permanently welded, stamped, or engraved on the equipment or on the name plate where it is easy to read. [Rule 21]
2. This permit, or copy thereof, including the permit conditions, shall be attached to or accompany the equipment at all times. [Rule 10]
3. Conditions listed below and identified as CONFINED apply only to confined abrasive blasting operations, whereas conditions identified as UNCONFINED apply only to unconfined abrasive blasting operations. [Rule 21]
4. UNCONFINED - The equipment shall not blast more than 2,061 tons of abrasive per calendar year (January through December) and a record of the amount of abrasive blasted on each day of unconfined equipment use shall be maintained for the three previous years on site and be made available to the District upon request. [Rule 21]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001438

PERMIT ID
APCD2005-PTO-000610


5. CONFINED - Particulate matter emissions, except area fugitive emissions, shall be controlled using a fabric or cartridge type dust collector. [Rule 21]
6. CONFINED - For dust collectors not specifically listed on the above equipment description, a copy of the manufacturer's specifications or engineering data which demonstrate a minimum particulate matter arrestance of 99 percent for the dust collection equipment must be kept with the equipment and presented upon request to the Air Pollution Control District. [Rule 21]
7. CONFINED - Except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters. [Rule 21]
8. CONFINED - All filters, gauges and dust control equipment shall be maintained in proper operating order.[Rule 21]
9. UNCONFINED - No air contaminant which causes a public nuisance shall be released into the air. [Rule 51]
10. CONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 1 or equivalent 20 percent opacity. [Rule 50]
11. UNCONFINED - No air contaminant shall being discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
12. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
14. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [Rule 71; CCR 17]
15. Any abrasive blasting operation conducted outside a permanent abrasive blast building, room, booth, or cabinet must use the following methods: wet abrasive blasting, hydro blasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting or steel or iron shot/grit may be used. for procedures and other requirements refer to California Code of Regulations, starting at Section 92000. [Rule 71; CCR 17]
17. Measures shall be taken so that ground dust does not become airborne. (elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). [Rule 55]
18. When blasting fiberglass, the dust generated shall be captured and filtered and such capture and filtration equipment shall have a separate permit. [Rule 10; Rule 1200]
19. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [CCR 17]
16. This equipment shall not be used to blast concrete, stucco, or plaster type materials unless wet blasting equipment or other procedures as described in the California Code of Regulations starting at Section 92000 (especially 92520) are used. [CCR 17]
20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



PORTABLE

Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001440

PERMIT ID

APCD2005-PTO-000616


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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Abrasive Blast Machine: Two permanently attached pots, CLEMCO Model SC2452, 600-LB capacity each (1200-lb capacity total), Equipment No..1323, S/N 28090/21381, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit model TD6120 or other type with a minimum 99% particulate matter arrestance; with optional Abrasive Vacuum Recovery and Re-use system: MISCO model MDC-3HV utilizing "Ultra-Web" cartridges or other cartridges with a minimum 99.9% particulate matter arrestance;

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01A] Abrasive Blasting Pot
BEC: APCD2011-CON-000302

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The equipment serial number or other unique number shall be permanently welded, stamped, or engraved on the equipment or on the name plate where it is easy to read. [Rule 21]
2. This permit, or copy thereof, including the permit conditions, shall be attached to or accompany the equipment at all times. [Rule 10]
3. Conditions listed below and identified as CONFINED apply only to confined abrasive blasting operations, whereas conditions identified as UNCONFINED apply only to unconfined abrasive blasting operations. [Rule 21]
4. UNCONFINED - The equipment shall not blast more than 2,061 tons of abrasive per calendar year (January through December) and a record of the amount of abrasive blasted on each day of unconfined equipment use shall be maintained for the three previous years on site and be made available to the District upon request. [Rule 21]
5. CONFINED - Particulate matter emissions, except area fugitive emissions, shall be controlled using a fabric or cartridge type dust collector. [Rule 21]



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PORTABLE

Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001440

PERMIT ID

APCD2005-PTO-000616



6. CONFINED - For dust collectors not specifically listed on the above equipment description, a copy of the manufacturer's specifications or engineering data which demonstrate a minimum particulate matter arrestance of 99 percent for the dust collection equipment must be kept with the equipment and presented upon request to the Air Pollution Control District. [Rule 21]
7. CONFINED - Except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters. [Rule 21]
8. CONFINED - All filters, gauges and dust control equipment shall be maintained in proper operating order. [Rule 21]
9. UNCONFINED - No air contaminant which causes a public nuisance shall be released into the air. [Rule 51]
10. CONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 1 or equivalent 20 percent opacity. [Rule 50]
11. UNCONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
12. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
14. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [Rule 71; CCR 17]
15. Any abrasive blasting operation conducted outside a permanent abrasive blast building, room, booth, or cabinet must use the following methods: wet abrasive blasting, hydro blasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting or steel or iron shot/grit may be used. For procedures and other requirements refer to California Code of Regulations, starting at Section 92000. [Rule 71; CCR 17]
17. Measures shall be taken so that ground dust does not become airborne. (elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). [Rule 55]
18. When blasting fiberglass, the dust generated shall be captured and filtered and such capture and filtration equipment shall have a separate permit. [Rule 10; Rule 1200]
19. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [CCR 17]
16. This equipment shall not be used to blast concrete, stucco, or plaster type materials unless wet blasting equipment or other procedures as described in the California Code of Regulations starting at Section 92000 (especially 92520) are used. [CCR 17]
20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002548

PERMIT ID
APCD2011-PTO-000802

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PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Blast Cell #1: Custom made; vented to four baghouses, Donaldson Torit, Model Downflo II DFT 4-112, 90,000 cfm capacity each, S/N 2627337-1, 3, 5, 6; with an auto dump bucket elevator system for recycling used and fresh abrasive, vented to a baghouse, Donaldson Torit, Model Downflo II DFT 4-32, 10593 capacity, S/N 2627337-2 Unit 1; equipped with a custom made bulk abrasive storage system, 2515 cu. ft. volume, 300-ton capacity; with sixteen vacuum recycle systems, Dongwon, Model DWVR50, 1766 cfm capacity each, with an integrated cyclone and baghouse dust collection system.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02B] Abrasive Blasting Cabinet

BEC: APCD2011-CON-000266

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. [NSR]
2. This equipment shall be properly maintained and kept in good operating condition at all times. [NSR]
3. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation. [NSR]
4. All process and storage equipment with air pollution control equipment shall be maintained and operated so that there is no leakage (0% opacity during operation and free of accumulated dust when not in operation) of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [NSR]
5. This equipment shall only use steel shot or steel grit abrasive blast material. [NSR]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002548

PERMIT ID
APCD2011-PTO-000802



6. A differential pressure gauge shall be installed across the baghouse filter media and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 0.4 and 7 inches of water column gauge. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [NSR; 40 CFR Part 64]
7. A differential pressure gauge shall be installed across the vacuum filters and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 10 and 200 millimeters of water column gauge. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [NSR; 40 CFR Part 64]
8. For the purpose of this permit, an excursion is each occurrence of any of the following: a vacuum recovery baghouse differential pressure reading that is equal to or less than 5 MM WCG or equal to or greater than 205 MM WCG; an abrasive blast cell or secondary baghouse differential pressure reading that is equal to or less than 0.2 in WCG or equal to or greater than 7.2 in WCG; or an indication of visible emissions as determined by EPA Method 22. If the baghouse differential pressure is outside the specified range or if visible emissions are detected, the permittee shall restore the differential pressure to its normal range or eliminate the visible emissions as expeditiously as practical. [NSR; 40 CFR Part 64]
9. Mechanical shaking or reverse pulse filter cleaning shall not result in dust emission from the filter cabinet and the dust hopper. Disposal of dust from the dust hopper shall not allow dust entrainment into the atmosphere. [Rules 50 and 54]
10. Collected spent abrasive and dust shall be emptied into a container which shall be sealed and disposed of in a manner which prevents dispersal of dust into the atmosphere. [Rules 50 and 54]
11. All records required by this permit shall be maintained on site for at least 3 years or until the next District inspection of the facility, whichever period is longer, and shall be made available to the District upon request. [Rule 21]
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
14. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002549

PERMIT ID
APCD2011-PTO-000803


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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Blast Cell #2: custom made; vented to four baghouses, Donaldson Torit, Model Downflo II DFT 4-112, 90,000 cfm capacity each, S/N 2627337-4, 7, 8, 9; with an auto dump bucket elevator system for recycling used and fresh abrasive, vented to a baghouse, Donaldson Torit, Model Downflo II DFT 4-32, 10593 capacity, S/N 2627337-2 Unit 2; equipped with a custom made bulk abrasive storage system, 2515 cu. ft. volume, 300-ton capacity; with sixteen vacuum recycle systems, Dongwon, Model DWVR50, 1766 cfm capacity each, with an integrated cyclone and baghouse dust collection system.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02B] Abrasive Blasting Cabinet

BEC: APCD2011-CON-000266

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Operation of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. [NSR]
2. This equipment shall be properly maintained and kept in good operating condition at all times. [NSR]
3. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation. [NSR]
4. All process and storage equipment with air pollution control equipment shall be maintained and operated so that there is no leakage (0% opacity during operation and free of accumulated dust when not in operation) of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [NSR]
5. This equipment shall only use steel shot or steel grit abrasive blast material. [NSR]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002549

PERMIT ID
APCD2011-PTO-000803



6. A differential pressure gauge shall be installed across the baghouse filter media and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 0.4 and 7 inches of water column gauge. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [NSR; 40 CFR Part 64]
7. A differential pressure gauge shall be installed across the vacuum filters and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 10 and 200 millimeters of water column gauge. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [NSR; 40 CFR Part 64]
8. For the purpose of this permit, an excursion is each occurrence of any of the following: a vacuum recovery baghouse differential pressure reading that is equal to or less than 5 MM WCG or equal to or greater than 205 MM WCG; an abrasive blast cell or secondary baghouse differential pressure reading that is equal to or less than 0.2 in WCG or equal to or greater than 7.2 in WCG; or an indication of visible emissions as determined by EPA Method 22. If the baghouse differential pressure is outside the specified range or if visible emissions are detected, the permittee shall restore the differential pressure to its normal range or eliminate the visible emissions as expeditiously as practical. [NSR; 40 CFR Part 64]
9. Mechanical shaking or reverse pulse filter cleaning shall not result in dust emission from the filter cabinet and the dust hopper. Disposal of dust from the dust hopper shall not allow dust entrainment into the atmosphere. [Rules 50 and 54]
10. Collected spent abrasive and dust shall be emptied into a container which shall be sealed and disposed of in a manner which prevents dispersal of dust into the atmosphere. [Rules 50 and 54]
11. All records required by this permit shall be maintained on site for at least 3 years or until the next District inspection of the facility, whichever period is longer, and shall be made available to the District upon request. [Rule 21]
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
14. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2012-APP-002465

PERMIT ID
APCD2011-PTO-000878
APCD2011-PTO-000878

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

Marine and metal coating operation consisting of:

Paint Cell #1: a custom built enclosed cell 100'L X 80'W X 65'H, equipped with: regenerative thermal oxidizer, Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO; chart recorded/data logger; and, filters, certified by the manufacturer to achieve at least 90% of control efficiency. Stack parameters: Height: 77 ft; Diameter: 5 ft; no rain cap; exhaust flow rate 51,200CFM

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: APCD2011-CON-000367

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO) or under a valid PTO issued for a Type III emission unit, as defined by District Rule 20.4. For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. [Rule 51]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2012-APP-002465

PERMIT ID
APCD2011-PTO-000878
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3. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.3 and 1200)
4. The thermal oxidizer and zeolite concentrator described above shall be maintained and operated in accordance with the manufacturer's instructions and shall be continuously in operation while coating operations are being conducted. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rules 20.3 and 1200)
5. The coating operations described above shall be conducted in the cell specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.3 and 1200)
6. The "mega doors" of the cell described above shall remain closed at all times when coating operations are being conducted. (Rules 1200 and 20.3)
7. The personnel entry doors of the cell described above shall remain closed at all times while coating operations are being conducted, except when personnel are entering or exiting the paint cell. (Rules 1200 and 20.3)
8. The emissions of VOC from the coating operation described above shall not exceed 2.0 tons per each consecutive 12-month period. (Rule 20.3)
10. The permittee shall only apply coatings using one of the following methods when conducting metal coating operations: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, roll coat or hand application methods (brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.3)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The temperature of the thermal oxidizer shall be maintained above 1400 degrees Fahrenheit at all times while coating operations are being conducted. A temperature indicating device and a properly functioning temperature recorder shall be permanently installed on each thermal oxidizer. (Rules 1200 and 20.3)
14. The thermal oxidizer unit shall be equipped with a control system capable of controlling, continuously monitoring, and recording the combustion chamber temperatures. The system shall continuously monitor and record the combustion chamber gas temperature by use of a chart recorder and/or data logger on site. (Rule 1200 and 20.3)
15. In the event that the oxidizers' temperatures drop to or below 1400 degrees Fahrenheit, the permittee shall cease all coating operations (with the exception of drying) and record any corrective action to address this deficiency (i.e. maintenance, repair or replacement). If the oxidizer's temperatures drop to or below 1400 degrees Fahrenheit while drying is being conducted, the District shall be notified in accordance with Rule 98. (Rules 1200 and 20.3)
16. Upon completion of the coating operations, the exhaust system and thermal oxidizer shall be kept in operation for at least one additional revolution of the zeolite adsorption rotor to desorb and destroy any residual VOC. (Rules 1200 and 20.3)
18. The above equipment shall be equipped with a circular exhaust stack with test ports and provisions for personnel access (e.g. scaffolding, platforms) for source testing. The stack design with the locations of control device inlet and exhaust test ports, access provisions, platforms, etc. shall be submitted to, and approved by, the District's Monitoring and Technical Services Division (Source Test Section, 858-586-2775). (Rules 1200 and 20.3)
19. The thermal oxidizer shall achieve a minimum control efficiency of 95% while coating operations are being conducted. The control efficiency shall be demonstrated in accordance with test methods approved by the District in writing. (Rules 1200 and Rule 20.3)



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20. Source testing of the thermal oxidizer shall be conducted at typical process loads and flow rates to determine the VOC destruction efficiency. The results of the source testing shall include, but are not limited to, emission rates in pounds per hour and concentrations in ppmv at the inlet and outlet of the control equipment. (Rules 1200 and 20.3)
21. In order to demonstrate compliance with the emission standards contained in this permit, the paint cells at this stationary source, permitted under PTO Nos. APCD2011-PTO-000878 (cell #1), APCD2011-PTO-001047 (cell #2), APCD2011-PTO-001048 (cell #3), APCD2011-PTO-001049 (cell #4), APCD2011-PTO-001050 (cell #5) equipped with an associated zeolite concentrator and thermal oxidizer, shall be source tested once every three years as described below:
 - a. cell #1 shall be tested in the year 2015 and once every three years thereafter;
 - b. cell# 2 and cell #3 shall be tested in the year 2013 and once every three years thereafter;
 - c. cell#4 and cell#5 shall be tested in the year 2014 and once every three years thereafter;

In the event a source test fails while testing any paint cell, all paint cells shall be tested once every permit year. The permittee shall submit an application to the District and wait for written authorization prior to reinstating the three-year testing frequency. (Rules 1200 and 20.3)

22. For the purposes of this permit to operate, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. All source tests shall be performed or witnessed by the District. (Rules 1200 and 20.3)
23. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
24. Permittee shall comply with all applicable provisions of Rule 67.3 and 67.18.
25. VOC containing materials used for surface preparation in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20 C (68 F). (Rule 67.18)
26. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
27. VOC-containing materials used to clean equipment used in marine and metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rules 67.3 and 67.18)
28. Permittee shall operate the coating operations described above in compliance with all applicable standards in MACT Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating). (40 CFR Part 63 - Subpart II)



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29. The volatile organic hazardous air pollutants (VOHAP) content as applied shall not exceed the limits in 40 CFR Part 63, Table 2 of Subpart II. VOHAP is defined as any compound listed in or pursuant to section 112(b) of the CAA that contains carbon, excluding metallic carbides and carbonates. This definition includes VOC listed as HAP and exempt compounds listed as HAP22. (40 CFR Part 63 - Subpart II)
30. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
31. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. (40 CFR Part 63 - Subpart II)
32. All containers, tanks, vats, drums, and piping systems holding VOHAP-containing materials are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. (40 CFR Part 63 - Subpart II)
33. Permittee shall maintain records and reports for coating operations in accordance with Rule 67.3, 67.18 and 40 CFR § 63.788. The records shall contain, at a minimum, the following information:
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2) or Rule 67.3(d)(2) and 67.3(d)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.3 or 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.3(d)(3) or Rule 67.18(d)(2);
 5. type of application equipment used when conducting metal coating operations;
 - b. current material safety data sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs for the paint cell;
 - d. records of any corrective action to address deficiencies related to the control device (i.e. description of the deficiency encountered, and any maintenance, repair or replacement);
 - e. identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit as required by §63.788 (b)(2)(iv);
 - f. the volume of each low-usage-exempt coating applied as required by §63.788 (b)(2)(iii);
 - g. certification of the as-supplied VOC content of each batch of coating applied as required by §63.788 (b)(2)(v);
 - h. temperature records for each thermal oxidizer;
 - i. the type of application equipment used for each metal coating operation;
 - j. any test results per Method 24 of appendix A to 40 CFR part 60 or District approved VOHAP measurement test conducted on individual containers of coating, as applied; and
 - k. all reports required by §63.788. (Rules 67.3, 67.18 and 40 CFR Part 63 - Subpart II)
34. Permittee shall maintain all records required by this permit for at least five (5) years from their date of creation. (Rule 1421)
35. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
36. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]



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37. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
38. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
39. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation. (Rule 67.18 and 21)
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(d)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content by weight or weight percentage, TAC content by weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs.
[Rules 67.18 and 21]
40. The permittee shall ensure the usage and/or emission limitation in this permit is not exceeded based on the usage records obtained from the contractor. [Rules 67.18 and 21]
41. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

9. Permittee shall only apply materials containing hexavalent chromium, cadmium, lead, beryllium, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
17. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
42. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
43. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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General Dynamics NASSCO
Mike Chee
PO Box 85278 MS22A
San Diego CA, 92186

EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 E Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Marine and metal coating operation consisting of:

Paint Cell #2: a custom built enclosed cell 100'L X 80'W X 65'H;
Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO; chart recorded/data logger; and, filters, certified by the manufacturer to achieve at least 90% of control efficiency. Stack parameters: Height: 77 ft; Diameter: 5 ft; no rain cap; exhaust flow rate 51,200CFM

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: APCD2011-CON-000367

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO) or under a valid PTO issued for a Type III emission unit, as defined by District Rule 20.4. For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. [Rule 51]



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3. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.3 and 1200)
4. The thermal oxidizer and zeolite concentrator described above shall be maintained and operated in accordance with the manufacturer's instructions and shall be continuously in operation while coating operations are being conducted. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rules 20.3 and 1200)
5. The coating operations described above shall be conducted in the cell specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.3 and 1200)
6. The "mega doors" of the cell described above shall remain closed at all times when coating operations are being conducted. (Rules 1200 and 20.3)
7. The personnel entry doors of the cell described above shall remain closed at all times while coating operations are being conducted, except when personnel are entering or exiting the paint cell. (Rules 1200 and 20.3)
8. The emissions of VOC from the coating operation described above shall not exceed 2.0 tons per each consecutive 12-month period. (Rule 20.3)
10. The permittee shall only apply coatings using one of the following methods when conducting metal coating operations: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, roll coat or hand application methods (brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.3)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The temperature of the thermal oxidizer shall be maintained above 1400 degrees Fahrenheit at all times while coating operations are being conducted. A temperature indicating device and a properly functioning temperature recorder shall be permanently installed on each thermal oxidizer. (Rules 1200 and 20.3)
14. The thermal oxidizer unit shall be equipped with a control system capable of controlling, continuously monitoring, and recording the combustion chamber temperatures. The system shall continuously monitor and record the combustion chamber gas temperature by use of a chart recorder and/or data logger on site. (Rule 1200 and 20.3)
15. In the event that the oxidizers' temperatures drop to or below 1400 degrees Fahrenheit, the permittee shall cease all coating operations (with the exception of drying) and record any corrective action to address this deficiency (i.e. maintenance, repair or replacement). If the oxidizer's temperatures drop to or below 1400 degrees Fahrenheit while drying is being conducted, the District shall be notified in accordance with Rule 98. (Rules 1200 and 20.3)
16. Upon completion of the coating operations, the exhaust system and thermal oxidizer shall be kept in operation for at least one additional revolution of the zeolite adsorption rotor to desorb and destroy any residual VOC. (Rules 1200 and 20.3)
18. The above equipment shall be equipped with a circular exhaust stack with test ports and provisions for personnel access (e.g. scaffolding, platforms) for source testing. The stack design with the locations of control device inlet and exhaust test ports, access provisions, platforms, etc. shall be submitted to, and approved by, the District's Monitoring and Technical Services Division (Source Test Section, 858-586-2775). (Rules 1200 and 20.3)
19. The thermal oxidizer shall achieve a minimum control efficiency of 95% while coating operations are being conducted. The control efficiency shall be demonstrated in accordance with test methods approved by the District in writing. (Rules 1200 and Rule 20.3)



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20. Source testing of the thermal oxidizer shall be conducted at typical process loads and flow rates to determine the VOC destruction efficiency. The results of the source testing shall include, but are not limited to, emission rates in pounds per hour and concentrations in ppmv at the inlet and outlet of the control equipment. (Rules 1200 and 20.3)
21. In order to demonstrate compliance with the emission standards contained in this permit, the paint cells at this stationary source, permitted under PTO Nos. APCD2011-PTO-000878 (cell #1), APCD2011-PTO-001047 (cell #2), APCD2011-PTO-001048 (cell #3), APCD2011-PTO-001049 (cell #4), APCD2011-PTO-001050 (cell #5) equipped with an associated zeolite concentrator and thermal oxidizer, shall be source tested once every three years as described below:
 - a. cell #1 shall be tested in the year 2015 and once every three years thereafter;
 - b. cell# 2 and cell #3 shall be tested in the year 2013 and once every three years thereafter;
 - c. cell#4 and cell#5 shall be tested in the year 2014 and once every three years thereafter;

In the event a source test fails while testing any paint cell, all paint cells shall be tested once every permit year. The permittee shall submit an application to the District and wait for written authorization prior to reinstating the three-year testing frequency. (Rules 1200 and 20.3)

22. For the purposes of this permit to operate, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. All source tests shall be performed or witnessed by the District. (Rules 1200 and 20.3)
23. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
24. Permittee shall comply with all applicable provisions of Rule 67.3 and 67.18.
25. VOC containing materials used for surface preparation in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20 C (68 F). (Rule 67.18)
26. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
27. VOC-containing materials used to clean equipment used in marine and metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.3 and 67.18)
28. Permittee shall operate the coating operations described above in compliance with all applicable standards in MACT Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating). (40 CFR Part 63 - Subpart II)



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29. The volatile organic hazardous air pollutants (VOHAP) content as applied shall not exceed the limits in 40 CFR Part 63, Table 2 of Subpart II. VOHAP is defined as any compound listed in or pursuant to section 112(b) of the CAA that contains carbon, excluding metallic carbides and carbonates. This definition includes VOC listed as HAP and exempt compounds listed as HAP22. (40 CFR Part 63 - Subpart II)
30. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
31. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. (40 CFR Part 63 - Subpart II)
32. All containers, tanks, vats, drums, and piping systems holding VOHAP-containing materials are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. (40 CFR Part 63 - Subpart II)
33. Permittee shall maintain records and reports for coating operations in accordance with Rule 67.3, 67.18 and 40 CFR § 63.788. The records shall contain, at a minimum, the following information:
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2) or Rule 67.3(d)(2) and 67.3(d)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.3 or 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.3(d)(3) or Rule 67.18(d)(2);
 5. type of application equipment used when conducting metal coating operations;
 - b. current material safety data sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs for the paint cell;
 - d. records of any corrective action to address deficiencies related to the control device (i.e. description of the deficiency encountered, and any maintenance, repair or replacement);
 - e. identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit as required by §63.788 (b)(2)(iv);
 - f. the volume of each low-usage-exempt coating applied as required by §63.788 (b)(2)(iii);
 - g. certification of the as-supplied VOC content of each batch of coating applied as required by §63.788 (b)(2)(v);
 - h. temperature records for each thermal oxidizer;
 - i. the type of application equipment used for each metal coating operation;
 - j. any test results per Method 24 of appendix A to 40 CFR part 60 or District approved VOHAP measurement test conducted on individual containers of coating, as applied; and
 - k. all reports required by §63.788. (Rules 67.3, 67.18 and 40 CFR Part 63 - Subpart II)
34. Permittee shall maintain all records required by this permit **including** for at least five (5) years from their date of creation. (Rule 1421)
35. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
36. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]



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- 37. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
- 38. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
- 39. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation. (Rule 67.18 and 21)
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2), manufacturer name, manufacturer identification, VOC content and mix ratio;
 - 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.18;
 - 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(d)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content by weight or weight percentage, TAC content by weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs. (Rule 67.18 and 21)
- 40. The permittee shall ensure the usage and/or emission limitation in this permit is not exceeded based on the usage records obtained from the contractor. [Rule 21]
- 41. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 21]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

- 9. Permittee shall only apply materials containing hexavalent chromium, cadmium, lead, beryllium, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
- 17. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
- 42. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 43. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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General Dynamics NASSCO
Michael T Chee
PO Box 85278 MS 22A
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EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 E Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Marine and metal coating operation consisting of:

Paint Cell #3: a custom built enclosed cell 100'L X 80'W X 65'H;
Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO; chart recorded/data logger; and, filters, certified by the manufacturer to achieve at least 90% of control efficiency. Stack parameters: Height: 77 ft; Diameter: 5 ft; no rain cap; exhaust flow rate 51,200CFM

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: APCD2011-CON-000367

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO) or under a valid PTO issued for a Type III emission unit, as defined by District Rule 20.4. For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)



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3. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.3 and 1200)
4. The thermal oxidizer and zeolite concentrator described above shall be maintained and operated in accordance with the manufacturer's instructions and shall be continuously in operation while coating operations are being conducted. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rules 20.3 and 1200)
5. The coating operations described above shall be conducted in the cell specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.3 and 1200)
6. The "mega doors" of the cell described above shall remain closed at all times when coating operations are being conducted. (Rules 1200 and 20.3)
7. The personnel entry doors of the cell described above shall remain closed at all times while coating operations are being conducted, except when personnel are entering or exiting the paint cell. (Rules 1200 and 20.3)
8. The emissions of VOC from the coating operation described above shall not exceed 2.0 tons per each consecutive 12-month period. (Rule 20.3)
10. The permittee shall only apply coatings using one of the following methods when conducting metal coating operations: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, roll coat or hand application methods (brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.3)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The temperature of the thermal oxidizer shall be maintained above 1400 degrees Fahrenheit at all times while coating operations are being conducted. A temperature indicating device and a properly functioning temperature recorder shall be permanently installed on each thermal oxidizer. (Rules 1200 and 20.3)
14. The thermal oxidizer unit shall be equipped with a control system capable of controlling, continuously monitoring, and recording the combustion chamber temperatures. The system shall continuously monitor and record the combustion chamber gas temperature by use of a chart recorder and/or data logger on site. (Rule 1200 and 20.3)
15. In the event that the oxidizers' temperatures drop to or below 1400 degrees Fahrenheit, the permittee shall cease all coating operations (with the exception of drying) and record any corrective action to address this deficiency (i.e. maintenance, repair or replacement). If the oxidizer's temperatures drop to or below 1400 degrees Fahrenheit while drying is being conducted, the District shall be notified in accordance with Rule 98. (Rules 1200 and 20.3)
16. Upon completion of the coating operations, the exhaust system and thermal oxidizer shall be kept in operation for at least one additional revolution of the zeolite adsorption rotor to desorb and destroy any residual VOC. (Rules 1200 and 20.3)
18. The above equipment shall be equipped with a circular exhaust stack with test ports and provisions for personnel access (e.g. scaffolding, platforms) for source testing. The stack design with the locations of control device inlet and exhaust test ports, access provisions, platforms, etc. shall be submitted to, and approved by, the District's Monitoring and Technical Services Division (Source Test Section, 858-586-2775). (Rules 1200 and 20.3)
19. The thermal oxidizer shall achieve a minimum control efficiency of 95% while coating operations are being conducted. The control efficiency shall be demonstrated in accordance with test methods approved by the District in writing. (Rules 1200 and Rule 20.3)



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20. Source testing of the thermal oxidizer shall be conducted at typical process loads and flow rates to determine the VOC destruction efficiency. The results of the source testing shall include, but are not limited to, emission rates in pounds per hour and concentrations in ppmv at the inlet and outlet of the control equipment. (Rules 1200 and 20.3)
21. In order to demonstrate compliance with the emission standards contained in this permit, the paint cells at this stationary source, permitted under PTO Nos. APCD2011-PTO-000878 (cell #1), APCD2011-PTO-001047 (cell #2), APCD2011-PTO-001048 (cell #3), APCD2011-PTO-001049 (cell #4), APCD2011-PTO-001050 (cell #5) equipped with an associated zeolite concentrator and thermal oxidizer, shall be source tested once every three years as described below:
 - a. cell #1 shall be tested in the year 2015 and once every three years thereafter;
 - b. cell# 2 and cell #3 shall be tested in the year 2013 and once every three years thereafter;
 - c. cell#4 and cell#5 shall be tested in the year 2014 and once every three years thereafter;

In the event a source test fails while testing any paint cell, all paint cells shall be tested once every permit year. The permittee shall submit an application to the District and wait for written authorization prior to reinstating the three-year testing frequency. (Rules 1200 and 20.3)

22. For the purposes of this permit to operate, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. All source tests shall be performed or witnessed by the District. (Rules 1200 and 20.3)
23. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
24. Permittee shall comply with all applicable provisions of Rule 67.3 and 67.18.
25. VOC containing materials used for surface preparation in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20 C (68 F). (Rule 67.18)
26. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
27. VOC-containing materials used to clean equipment used in marine and metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.3 and 67.18)
28. Permittee shall operate the coating operations described above in compliance with all applicable standards in MACT Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating). (40 CFR Part 63 - Subpart II)



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29. The volatile organic hazardous air pollutants (VOHAP) content as applied shall not exceed the limits in 40 CFR Part 63, Table 2 of Subpart II. VOHAP is defined as any compound listed in or pursuant to section 112(b) of the CAA that contains carbon, excluding metallic carbides and carbonates. This definition includes VOC listed as HAP and exempt compounds listed as HAP22. (40 CFR Part 63 - Subpart II)
30. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
31. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. (40 CFR Part 63 - Subpart II)
32. All containers, tanks, vats, drums, and piping systems holding VOHAP-containing materials are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. (40 CFR Part 63 - Subpart II)
33. Permittee shall maintain records and reports for coating operations in accordance with Rule 67.3, 67.18 and 40 CFR § 63.788. The records shall contain, at a minimum, the following information:
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2) or Rule 67.3(d)(2) and 67.3(d)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.3 or 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.3(d)(3) or Rule 67.18(d)(2);
 5. type of application equipment used when conducting metal coating operations;
 - b. current material safety data sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs for the paint cell;
 - d. records of any corrective action to address deficiencies related to the control device (i.e. description of the deficiency encountered, and any maintenance, repair or replacement);
 - e. identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit as required by §63.788 (b)(2)(iv);
 - f. the volume of each low-usage-exempt coating applied as required by §63.788 (b)(2)(iii);
 - g. certification of the as-supplied VOC content of each batch of coating applied as required by §63.788 (b)(2)(v);
 - h. temperature records for each thermal oxidizer;
 - i. the type of application equipment used for each metal coating operation;
 - j. any test results per Method 24 of appendix A to 40 CFR part 60 or District approved VOHAP measurement test conducted on individual containers of coating, as applied; and
 - k. all reports required by §63.788. (Rules 67.3, 67.18 and 40 CFR Part 63 - Subpart II)
34. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
35. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
36. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]



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37. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
38. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
39. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation. (Rule 67.18 and 21)
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(d)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content by weight or weight percentage, TAC content by weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs. (Rules 67.18 and 21)
40. The permittee shall ensure the usage and/or emission limitation in this permit is not exceeded based on the usage records obtained from the contractor. [Rules 67.18 and 21]
41. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

9. Permittee shall only apply materials containing hexavalent chromium, cadmium, lead, beryllium, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
17. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
42. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
43. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Marine and metal coating operation consisting of:

Paint Cell #4: a custom built enclosed cell 100'L X 80'W X 65'H;
Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO; chart recorded/data logger; and, filters, certified by the manufacturer to achieve at least 90% of control efficiency. Stack parameters: Height: 77 ft; Diameter: 5 ft; no rain cap; exhaust flow rate 51,200CFM

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: APCD2011-CON-000367

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO) or under a valid PTO issued for a Type III emission unit, as defined by District Rule 20.4. For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)



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3. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.3 and 1200)
4. The thermal oxidizer and zeolite concentrator described above shall be maintained and operated in accordance with the manufacturer's instructions and shall be continuously in operation while coating operations are being conducted. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rules 20.3 and 1200)
5. The coating operations described above shall be conducted in the cell specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.3 and 1200)
6. The "mega doors" of the cell described above shall remain closed at all times when coating operations are being conducted. (Rules 1200 and 20.3)
7. The personnel entry doors of the cell described above shall remain closed at all times while coating operations are being conducted, except when personnel are entering or exiting the paint cell. (Rules 1200 and 20.3)
8. The emissions of VOC from the coating operation described above shall not exceed 2.0 tons per each consecutive 12-month period. (Rule 20.3)
10. The permittee shall only apply coatings using one of the following methods when conducting metal coating operations: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, roll coat or hand application methods (brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.3)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rules 67.3 and 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The temperature of the thermal oxidizer shall be maintained above 1400 degrees Fahrenheit at all times while coating operations are being conducted. A temperature indicating device and a properly functioning temperature recorder shall be permanently installed on each thermal oxidizer. (Rules 1200 and 20.3)
14. The thermal oxidizer unit shall be equipped with a control system capable of controlling, continuously monitoring, and recording the combustion chamber temperatures. The system shall continuously monitor and record the combustion chamber gas temperature by use of a chart recorder and/or data logger on site. (Rule 1200 and 20.3)
15. In the event that the oxidizers' temperatures drop to or below 1400 degrees Fahrenheit, the permittee shall cease all coating operations (with the exception of drying) and record any corrective action to address this deficiency (i.e. maintenance, repair or replacement). If the oxidizer's temperatures drop to or below 1400 degrees Fahrenheit while drying is being conducted, the District shall be notified in accordance with Rule 98. (Rules 1200 and 20.3)
16. Upon completion of the coating operations, the exhaust system and thermal oxidizer shall be kept in operation for at least one additional revolution of the zeolite adsorption rotor to desorb and destroy any residual VOC. (Rules 1200 and 20.3)
18. The above equipment shall be equipped with a circular exhaust stack with test ports and provisions for personnel access (e.g. scaffolding, platforms) for source testing. The stack design with the locations of control device inlet and exhaust test ports, access provisions, platforms, etc. shall be submitted to, and approved by, the District's Monitoring and Technical Services Division (Source Test Section, 858-586-2775). (Rules 1200 and 20.3)
19. The thermal oxidizer shall achieve a minimum control efficiency of 95% while coating operations are being conducted. The control efficiency shall be demonstrated in accordance with test methods approved by the District in writing. (Rules 1200 and Rule 20.3)



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20. Source testing of the thermal oxidizer shall be conducted at typical process loads and flow rates to determine the VOC destruction efficiency. The results of the source testing shall include, but are not limited to, emission rates in pounds per hour and concentrations in ppmv at the inlet and outlet of the control equipment. (Rules 1200 and 20.3)
21. In order to demonstrate compliance with the emission standards contained in this permit, the paint cells at this stationary source, permitted under PTO Nos. APCD2011-PTO-000878 (cell #1), APCD2011-PTO-001047 (cell #2), APCD2011-PTO-001048 (cell #3), APCD2011-PTO-001049 (cell #4), APCD2011-PTO-001050 (cell #5) equipped with an associated zeolite concentrator and thermal oxidizer, shall be source tested once every three years as described below:
 - a. cell #1 shall be tested in the year 2015 and once every three years thereafter;
 - b. cell# 2 and cell #3 shall be tested in the year 2013 and once every three years thereafter;
 - c. cell#4 and cell#5 shall be tested in the year 2014 and once every three years thereafter;

In the event a source test fails while testing any paint cell, all paint cells shall be tested once every permit year. The permittee shall submit an application to the District and wait for written authorization prior to reinstating the three-year testing frequency. (Rules 1200 and 20.3)

22. For the purposes of this permit to operate, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. All source tests shall be performed or witnessed by the District. (Rules 1200 and 20.3)
23. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
24. Permittee shall comply with all applicable provisions of Rule 67.3 and 67.18.
25. VOC containing materials used for surface preparation in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20 C (68 F). (Rule 67.18)
26. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
27. VOC-containing materials used to clean equipment used in marine and metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.3 and 67.18)
28. Permittee shall operate the coating operations described above in compliance with all applicable standards in MACT Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating). (40 CFR Part 63 - Subpart II)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
PHONE (858) 586-2600 FAX (858) 586-2601
www.sdapcd.org

Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2012-APP-002462

PERMIT ID
APCD2011-PTO-001049
APCD2011-PTO-001049

29. The volatile organic hazardous air pollutants (VOHAP) content as applied shall not exceed the limits in 40 CFR Part 63, Table 2 of Subpart II. VOHAP is defined as any compound listed in or pursuant to section 112(b) of the CAA that contains carbon, excluding metallic carbides and carbonates. This definition includes VOC listed as HAP and exempt compounds listed as HAP22. (40 CFR Part 63 - Subpart II)
30. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
31. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. (40 CFR Part 63 - Subpart II)
32. All containers, tanks, vats, drums, and piping systems holding VOHAP-containing materials are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. (40 CFR Part 63 - Subpart II)
33. Permittee shall maintain records and reports for coating operations in accordance with Rule 67.3, 67.18 and 40 CFR § 63.788. The records shall contain, at a minimum, the following information:
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2) or Rule 67.3(d)(2) and 67.3(d)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.3 or 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.3(d)(3) or Rule 67.18(d)(2);
 5. type of application equipment used when conducting metal coating operations;
 - b. current material safety data sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs for the paint cell;
 - d. records of any corrective action to address deficiencies related to the control device (i.e. description of the deficiency encountered, and any maintenance, repair or replacement);
 - e. identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit as required by §63.788 (b)(2)(iv);
 - f. the volume of each low-usage-exempt coating applied as required by §63.788 (b)(2)(iii);
 - g. certification of the as-supplied VOC content of each batch of coating applied as required by §63.788 (b)(2)(v);
 - h. temperature records for each thermal oxidizer;
 - i. the type of application equipment used for each metal coating operation;
 - j. any test results per Method 24 of appendix A to 40 CFR part 60 or District approved VOHAP measurement test conducted on individual containers of coating, as applied; and
 - k. all reports required by §63.788. (Rules 67.3, 67.18 and 40 CFR Part 63 - Subpart II)
34. Permittee shall maintain all records required by this permit for at least five (5) years from their date of creation. (Rule 1421)
35. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
36. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]



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37. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
38. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
39. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation. (Rule 67.18 and 21)
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(d)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content by weight or weight percentage, TAC content by weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs.
[Rule 67.18 and 21]
40. The permittee shall ensure the usage and/or emission limitation in this permit is not exceeded based on the usage records obtained from the contractor. [Rules 67.18 and 21]
41. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

9. Permittee shall only apply materials containing hexavalent chromium, cadmium, lead, beryllium, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
17. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
42. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
43. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2014-APP-003422

PERMIT ID
APCD2011-PTO-001050
APCD2011-PTO-001050

General Dynamics NASSCO
Michael T Chee
PO Box 85278 MS 22A
San Diego CA, 92186

EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 E Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Marine and metal coating operation consisting of:

Spray booth: Paint Cell #5: a custom built enclosed cell 100'L X 74'W X 65'H;
Regenerative thermal oxidizer: Adwest RETOX 5.0, and an associated rotary zeolite wheel solvent concentrator, Munters Model 1ZS-4200-RTO; chart recorded/data logger; and, filters, certified by the manufacturer to achieve at least 90% of control efficiency. Stack parameters: Height: 77 ft; Diameter: 5 ft; no rain cap; exhaust flow rate 51,200CFM

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: APCD2011-CON-000367

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO) or under a valid PTO issued for a Type III emission unit, as defined by District Rule 20.4. For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. [Rule 51]



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3. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.3 and 1200)
4. The thermal oxidizer and zeolite concentrator described above shall be maintained and operated in accordance with the manufacturer's instructions and shall be continuously in operation while coating operations are being conducted. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rules 20.3 and 1200)
5. The coating operations described above shall be conducted in the cell specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.3 and 1200)
6. The "mega doors" of the cell described above shall remain closed at all times when coating operations are being conducted. (Rules 1200 and 20.3)
7. The personnel entry doors of the cell described above shall remain closed at all times while coating operations are being conducted, except when personnel are entering or exiting the paint cell. (Rules 1200 and 20.3)
8. The emissions of VOC from the coating operation described above shall not exceed 2.0 tons per each consecutive 12-month period. (Rule 20.3)
10. The permittee shall only apply coatings using one of the following methods when conducting metal coating operations: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, roll coat or hand application methods (brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.3)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The temperature of the thermal oxidizer shall be maintained above 1400 degrees Fahrenheit at all times while coating operations are being conducted. A temperature indicating device and a properly functioning temperature recorder shall be permanently installed on each thermal oxidizer. (Rules 1200 and 20.3)
14. The thermal oxidizer unit shall be equipped with a control system capable of controlling, continuously monitoring, and recording the combustion chamber temperatures. The system shall continuously monitor and record the combustion chamber gas temperature by use of a chart recorder and/or data logger on site. (Rule 1200 and 20.3)
15. In the event that the oxidizers' temperatures drop to or below 1400 degrees Fahrenheit, the permittee shall cease all coating operations (with the exception of drying) and record any corrective action to address this deficiency (i.e. maintenance, repair or replacement). If the oxidizer's temperatures drop to or below 1400 degrees Fahrenheit while drying is being conducted, the District shall be notified in accordance with Rule 98. (Rules 1200 and 20.3)
16. Upon completion of the coating operations, the exhaust system and thermal oxidizer shall be kept in operation for at least one additional revolution of the zeolite adsorption rotor to desorb and destroy any residual VOC. (Rules 1200 and 20.3)
18. The above equipment shall be equipped with a circular exhaust stack with test ports and provisions for personnel access (e.g. scaffolding, platforms) for source testing. The stack design with the locations of control device inlet and exhaust test ports, access provisions, platforms, etc. shall be submitted to, and approved by, the District's Monitoring and Technical Services Division (Source Test Section, 858-586-2775). (Rules 1200 and 20.3)
19. The thermal oxidizer shall achieve a minimum control efficiency of 95% while coating operations are being conducted. The control efficiency shall be demonstrated in accordance with test methods approved by the District in writing. (Rules 1200 and Rule 20.3)



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20. Source testing of the thermal oxidizer shall be conducted at typical process loads and flow rates to determine the VOC destruction efficiency. The results of the source testing shall include, but are not limited to, emission rates in pounds per hour and concentrations in ppmv at the inlet and outlet of the control equipment. (Rules 1200 and 20.3)
21. In order to demonstrate compliance with the emission standards contained in this permit, the paint cells at this stationary source, permitted under PTO Nos. APCD2011-PTO-000878 (cell #1), APCD2011-PTO-001047 (cell #2), APCD2011-PTO-001048 (cell #3), APCD2011-PTO-001049 (cell #4), APCD2011-PTO-001050 (cell #5) equipped with an associated zeolite concentrator and thermal oxidizer, shall be source tested once every three years as described below:
 - a. cell #1 shall be tested in the year 2015 and once every three years thereafter;
 - b. cell# 2 and cell #3 shall be tested in the year 2013 and once every three years thereafter;
 - c. cell#4 and cell#5 shall be tested in the year 2014 and once every three years thereafter;

In the event a source test fails while testing any paint cell, all paint cells shall be tested once every permit year. The permittee shall submit an application to the District and wait for written authorization prior to reinstating the three-year testing frequency. (Rules 1200 and 20.3)

22. For the purposes of this permit to operate, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. All source tests shall be performed or witnessed by the District. (Rules 1200 and 20.3)
23. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
24. Permittee shall comply with all applicable provisions of Rule 67.3 and 67.18.
25. VOC containing materials used for surface preparation in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20 C (68 F). (Rule 67.18)
26. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
27. VOC-containing materials used to clean equipment used in marine and metal coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.3 and 67.18)
28. Permittee shall operate the coating operations described above in compliance with all applicable standards in MACT Subpart II National Emission Standards for Shipbuilding and Ship Repair (Surface Coating). (40 CFR Part 63 - Subpart II)



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29. The volatile organic hazardous air pollutants (VOHAP) content as applied shall not exceed the limits in 40 CFR Part 63, Table 2 of Subpart II. VOHAP is defined as any compound listed in or pursuant to section 112(b) of the CAA that contains carbon, excluding metallic carbides and carbonates. This definition includes VOC listed as HAP and exempt compounds listed as HAP22. (40 CFR Part 63 - Subpart II)
30. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
31. All handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. (40 CFR Part 63 - Subpart II)
32. All containers, tanks, vats, drums, and piping systems holding VOHAP-containing materials are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. (40 CFR Part 63 - Subpart II)
33. Permittee shall maintain records and reports for coating operations in accordance with Rule 67.3, 67.18 and 40 CFR § 63.788. The records shall contain, at a minimum, the following information:
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2) or Rule 67.3(d)(2) and 67.3(d)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.3 or 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.3(d)(3) or Rule 67.18(d)(2);
 5. type of application equipment used when conducting metal coating operations;
 - b. current material safety data sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs for the paint cell;
 - d. records of any corrective action to address deficiencies related to the control device (i.e. description of the deficiency encountered, and any maintenance, repair or replacement);
 - e. identification of the coatings used, their appropriate coating categories, and the applicable VOHAP limit as required by §63.788 (b)(2)(iv);
 - f. the volume of each low-usage-exempt coating applied as required by §63.788 (b)(2)(iii);
 - g. certification of the as-supplied VOC content of each batch of coating applied as required by §63.788 (b)(2)(v);
 - h. temperature records for each thermal oxidizer;
 - i. the type of application equipment used for each metal coating operation;
 - j. any test results per Method 24 of appendix A to 40 CFR part 60 or District approved VOHAP measurement test conducted on individual containers of coating, as applied; and
 - k. all reports required by §63.788. (Rules 67.3, 67.18 and 40 CFR Part 63 - Subpart II)
34. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
35. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
36. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]



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37. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
38. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
39. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation. (Rule 67.18 and 21)
 - a. current list of all materials containing VOC and/or TAC, including coatings, coating components (bases, catalysts, thinners, etc.), surface preparation, stripping and equipment cleaning materials in use. Materials shall be identified as follows:
 1. coatings shall specify category as per Rule 67.18(d)(1) and 67.18(d)(2), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. VOC content, vapor pressure and boiling point shall be listed as applicable to demonstrate compliance with Rule 67.18;
 4. current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(d)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS or manufacturer's specifications shall, at minimum, contain the following information: VOC content by weight or weight percentage, TAC content by weight or weight percentage, drying time for each coating, and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. daily or monthly usage records for all materials containing VOCs and/or TACs.
[Rule 67.18 and 21]
40. The permittee shall ensure the usage and/or emission limitation in this permit is not exceeded based on the usage records obtained from the contractor. [Rules 67.18 and 21]
41. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

9. Permittee shall only apply materials containing hexavalent chromium, cadmium, lead, beryllium, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
17. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
42. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
43. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002507

PERMIT ID
APCD2013-PTO-001615

General Dynamics NASSCO
Michael Chee
PO Box 85278, MS 22-A
San Diego CA, 92186

EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 E Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

General Dynamics Nassco Michael Chee PO Box 85278, MS 22-A, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Vacuum blasting system with abrasive recycle. Rapid-Prep Model VB-1200 (S/N: 23264), consisting of 16 cubic feet blast pot, storage hopper and vacuum system, equipped with two (2) shrouded nozzles, maximum nozzle pressure of 90 psi and maximum nozzle orifice diameter of 7/16 inches. Equipped with a dust collector with four (4) QX Media Ashrae 52.1 filter cartridges with 99.9% control efficiency at 1 microns.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01B] Abrasive Blasting Pot

BEC: APCD2013-CON-000663

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

3. Particulate matter emissions shall not exceed 0.10 grain per dry standard cubic foot (0.23 grams per dry standard cubic meter) of gas. Compliance with this requirement shall be demonstrated by adherence to the filter system operation and maintenance requirements of this permit. [Rule 52]
4. The pressure drop (differential pressure, dP) across the filter media shall be maintained between 0.5 and 9 inches of water. A differential pressure gauge shall be installed across the baghouse filter media and maintained in good working order at all times to measure the pressure drop across the filters. The gauge readings shall be noted in an equipment logbook on each day of equipment use and the logbook shall be kept on site and made available to the District upon request. [Rules 52 and 21; 40 CFR Part 64]
6. All process and storage equipment with air pollution control equipment shall be maintained and operated so that there is no leakage (0% opacity during operation and free of accumulated dust when not in operation) of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]



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7. As a used filter is removed for replacement, inspection, or disposal, the filter shall be placed immediately into a plastic bag or sealed container to minimize dust emissions. A filter shall be disposed of only if it is in a sealed container that will minimize dust emissions. [Rules 50 and 54]
8. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation. [Rule 21]
9. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
10. No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
11. The equipment described above shall not cause or contribute to a public nuisance. [Rule 51]
12. Collected spent abrasive and dust shall be emptied into a container which shall be sealed and disposed of in a manner which prevents dispersal of dust into the atmosphere. [Rules 50 and 54]
13. All records required by this permit shall be maintained on site for at least 3 years or until the next District inspection of the facility, whichever period is longer, and shall be made available to the District upon request. [Rule 21]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

1. This equipment shall only use steel grit or ARB Certified Garnet abrasive material. During operation, vacuum controls shall be used at all times. [Rule 1200]
2. No coatings containing chromium, copper, cadmium, nickel, or lead shall be removed with this equipment. For new construction, the MSDS or manufacturer's specification sheets for coatings to be removed shall be readily available for inspection in order to demonstrate compliance with this condition. Prior to blasting repair parts, coatings shall be sampled and tested in accordance with APCD approved methods to determine compliance with this condition. Test results shall be maintained on-site and readily available for inspection upon request. [Rule 1200]
5. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [CCR 17]
15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002508

PERMIT ID
APCD2013-PTO-001617

General Dynamics NASSCO
Michael Chee
PO Box 85278, MS 22-A
San Diego CA, 92186

EQUIPMENT ADDRESS
General Dynamics NASSCO
T. Michael Chee
2798 E Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics Nassco Michael Chee PO Box 85278, MS 22-A, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Vacuum blasting system with abrasive recycle. Rapid-Prep Model VB-1200 (S/N: 23265), consisting of 16 cubic feet blast pot, storage hopper and vacuum system, equipped with two (2) shrouded nozzles, maximum nozzle pressure of 90 psi and maximum nozzle orifice diameter of 7/16 inches. Equipped with a dust collector with four (4) filter cartridges QX Media Ashrae 52.1 with 99.9% control efficiency at 1 microns.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01B] Abrasive Blasting Pot

BEC: APCD2013-CON-000663

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

3. Particulate matter emissions shall not exceed 0.10 grain per dry standard cubic foot (0.23 grams per dry standard cubic meter) of gas. Compliance with this requirement shall be demonstrated by adherence to the filter system operation and maintenance requirements of this permit. [Rule 52]
4. The pressure drop (differential pressure, dP) across the filter media shall be maintained between 0.5 and 9 inches of water. A differential pressure gauge shall be installed across the baghouse filter media and maintained in good working order at all times to measure the pressure drop across the filters. The gauge readings shall be noted in an equipment logbook on each day of equipment use and the logbook shall be kept on site and made available to the District upon request. [Rules 52 and 21; 40 CFR Part 64]
6. All process and storage equipment with air pollution control equipment shall be maintained and operated so that there is no leakage (0% opacity during operation and free of accumulated dust when not in operation) of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]



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7. As a used filter is removed for replacement, inspection, or disposal, the filter shall be placed immediately into a plastic bag or sealed container to minimize dust emissions. A filter shall be disposed of only if it is in a sealed container that will minimize dust emissions. [Rules 50 and 54]
8. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation. [Rule 21]
9. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
10. No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
11. The equipment described above shall not cause or contribute to a public nuisance. [Rule 51]
12. Collected spent abrasive and dust shall be emptied into a container which shall be sealed and disposed of in a manner which prevents dispersal of dust into the atmosphere. [Rule 50 and 54]
13. All records required by this permit shall be maintained on site for at least 3 years or until the next District inspection of the facility, whichever period is longer, and shall be made available to the District upon request. [Rule 21]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

1. This equipment shall only use steel grit or ARB Certified Garnet abrasive material. During operation, vacuum controls shall be used at all times. [Rule 1200]
2. No coatings containing chromium, copper, cadmium, nickel, or lead shall be removed with this equipment. For new construction, the MSDS or manufacturer's specification sheets for coatings to be removed shall be readily available for inspection in order to demonstrate compliance with this condition. Prior to blasting repair parts, coatings shall be sampled and tested in accordance with APCD approved methods to determine compliance with this condition. Test results shall be maintained on-site and readily available for inspection upon request. [Rule 1200]
5. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [CCR 17]
15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD2013-SITE-00145
App ID: APCD2013-APP-002624

PERMIT ID
APCD2014-PTO-001908
APCD2014-PTO-001908

General Dynamics NASSCO
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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

Prime Diesel Engine: Cummins model QSX15-C550, S/N 79041228. 510 bhp rated, drives a 1300 cfm compressor. Engine family 4CEXL015.AAA, tier 2 certified. Turbocharged with charge air cooler. ATCM portable.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34D] Engine for Non-Emergency & Non-Cogeneration
BEC: APCD2013-CON-000759

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This engine shall not be operated more than 750 hours per calendar year under this authorization. [Rule 20.3, Rule 1200]
2. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
3. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
9. The owner or operator shall record the following:
 - a. daily operating hours including the date, location and initial hour meter reading.
 - b. calendar year cumulative hours of operation at this location updated at least monthly.

[Rule 20.3, Rule 1200].

16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

4. This engine shall use only carb diesel fuel. (Rule 69.4.1, 17 CCR 93116)



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Site ID: APCD2013-SITE-00145
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5. A non-resettable engine hour meter and/or non-resettable totalizing fuel meter shall be installed on this engine, maintained in good working order and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's compliance division shall be notified in writing within in 10 calendar days. The written notifications shall include the following information:
 - a. old meter's reading.
 - b. replacement meter's manufacturer name, model and serial number if available and current reading on replacement meter; and
 - c. copy of receipt of new meter or of installation work order.A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. (Rule 69.4.1)
6. The owner or operator of this engine shall conduct periodic inspection and maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's inspection and maintenance procedures. The periodic inspection and maintenance shall be conducted at least once each calendar year. (Rule 69.4.1)
7. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
 - a. documentation shall be maintained identifying the fuel as carb diesel.
 - b. manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company; and
 - c. records of annual engine maintenance including date the maintenance was performed.These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1)(17 CCR 93116)
8. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite for a minimum of 24 months from their date of creation. Records for the last 24 months of operations shall be made available to the Air Pollution Control District upon request. Records for operation for the last 25 to 36 months shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 69.4.1]
10. This permit authorizes operation only at the stationary source(s) listed on this permit to operate. This engine shall be operated as a portable unit as defined by the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. This permit does not preclude off-site operations under a valid registration issued by the California Air Resources Board (CARB) under the Portable Equipment Registration Program (PERP). (17CCR93116).
11. For the purposes of conditions referring to 17 CCR 93116, location shall be defined as any single site at a building, structure, facility, or installation. [17 CCR 93116]
12. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. (17CCR 93116)
13. The responsible official shall submit compliance statements as required by 17CCR 93116. These compliance statements are due to the California Air Resources Board by March 1, 2013, March 1, 2017 and March 1, 2020. [17 CCR 93116]
14. An emission unit is not portable if any of the following apply :

The unit, or its replacement, is attached to a foundation or, if not so attached, will reside at the same location for more than 12 consecutive months; or

The emission unit remains or will reside at a location for less than 12 consecutive months if the unit is located at a seasonal source and operates during the full annual operating period of the seasonal source; or

The emission unit is moved from one location to another in an attempt to circumvent the portable emission unit residence time requirements. [17 CCR 93116]
15. Days when a portable emission unit is stored in a designated holding or storage area shall not be counted towards the above time limits, provided the emission unit was not operated on that calendar day except for maintenance and was in the designated holding or storage area the entire calendar day. [Rules 20.3 and 1200]



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Sectors: 5, P
Site ID: APCD2013-SITE-00145
App ID: APCD2013-APP-002624

PERMIT ID
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17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-003919

PERMIT ID
APCD2015-PTO-002467

General Dynamics NASSCO
Sara Giobbi
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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Sara Giobbi PO Box 85278, MS 22-A, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Thermal oxidizer: Manufactured by Envent, Model/Serial No. EMECS 42-4. Equipped with a 42.4 MMBtu/hr burner, fired with natural gas or propane, with modulating temperature control system. Includes 75 hp blower for venting controlled device.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous

BEC: APCD2015-CON-001090

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The thermal oxidizer described in this authorization shall not be used to control emissions from any permitted process at this stationary source except from LNG bunkering operations. [Rule 20.3(d)(1)]
2. Emissions of NOx from this equipment shall not exceed 61.2 lb/MMscf of natural gas combusted as fuel when fueled with natural gas. Emissions of NOx from this equipment shall not exceed 5.5 lb/1000 gallons of propane combusted as fuel when fueled with propane. [Rule 20.3(d)(1)]
3. Annual operation of this equipment shall not exceed 264 hours per calendar year. [Rule 20.3(d)(1)]
4. The temperature in the combustion chamber of the afterburner shall be at least 1500 degrees Fahrenheit at all times vapor is being vented to the device. A temperature measuring and recording device with a minimum accuracy of +/- 20 degrees Fahrenheit shall be installed and maintained in good operating condition at the exhaust outlet of the thermal oxidizer to measure combustion temperature. This monitor shall be properly calibrated according to manufacturer recommendations. [Rule 20.3(d)(1)]
5. All vapor emitted from the LNG fuel tanks during bunkering steps 2 and 3 shall be vented to the thermal oxidizer. [Rule 20.3(d)(1)]



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Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-003919

PERMIT ID
APCD2015-PTO-002467


6. This equipment shall only be fueled with natural gas or propane. All natural gas used shall be pipeline quality, and all propane used shall contain no more than 10 grains of sulfur compounds per 100 standard cubic feet of propane. The permittee must maintain records obtained from the utility or fuel supplier or through fuel testing certifying that all fuels used meet these requirements. For propane, this requirement may be met by records indicating the fuel is California HD-10 fuel and meets the requirements of CCR Title 13 section 2292.6 or is HD-5 fuel. [Rule 62]
7. A non-resettable totalizing fuel meter shall be installed in the fuel line to measure the volumetric flow rate of fuel to this equipment. This meter shall be properly calibrated, maintained and kept in good operating condition at all times. A record of the calibration shall be maintained on site, unless calibrated by the gas utility, and made available to District personnel upon request. [Rules 20.3 and 21]
8. The fuel meter to this equipment shall either be self-correcting to standard pressure (14.7 psia) or the permittee shall determine the normal operating pressure of the fuel line at the inlet of the meter. A record of the fuel line pressure shall be posted at the fuel meter or shall be maintained with the equipment and made available to District personnel upon request. [Rules 20.3 and 21]
9. The owner or operator shall maintain records of any calculations performed to either correct fuel meter readings or convert units for any fuel meter readings. [Rule 20.3(d)(1)]
10. The owner or operator shall maintain the following records for each time the thermal oxidizer is operated:
 - a. Time thermal oxidizer is started
 - b. Time vapor begins to be vented to the thermal oxidizer
 - c. Temperature (degrees Fahrenheit) in afterburner chamber at time vapor begins to be vented to the thermal oxidizer
 - d. Time vapor flow to the thermal oxidizer ceases.
 - e. Time the thermal oxidizer is shut down.[Rules 20.3 and 21]
11. The owner or operator shall prepare a report following the end of bunkering for each individual ship containing the following information:
 - a. Total hours of thermal oxidizer operation during the bunkering event
 - b. Type(s) and total amount(s) of fuel combusted during the bunkering event
 - c. NOx and VOC emissions for the bunkering event, calculated in lbs.[Rule 20.3(d)]
12. Unless other emission factors are established according to a District witnessed source test or other source approved for use by the District in writing, NOx and VOC emissions shall be calculated using emission factors of:
 - a. For natural gas fuel: 61.2 lb NOx/MMscf and 7.13 lb VOC/MMscf
 - b. For propane fuel: 5.5 lb NOx/1000 gallons and 0.64 lb VOC/1000 gallons[Rule 21]
13. All records required by this permit shall be kept for a minimum of five years and made available to District personnel upon request. [40 CFR 70.6(a)(3)(iii)(B)]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act [California Health and Safety Code Section 44300 et seq.]



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001441

PERMIT ID
APCD2005-PTO-002690

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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Abrasive Blast Machine: Two permanently attached pots, CLEMCO Model SC2452, 600-lb capacity each (1200-lb capacity total), Equipment No.1324, S/N 36975, Optionally loaded from an overhead hopper; With optional Dust Collecting equipment: Torit model TD6120 or other type with a minimum 99% particulate matter arrestance; with optional Abrasive Vacuum Recovery and Re-use system: MISCO model MDC-3HV utilizing "Ultra-Web" cartridges or other cartridges with a minimum 99.9% particulate matter arrestance.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01A] Abrasive Blasting Pot
BEC: APCD2011-CON-000302

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The equipment serial number or other unique number shall be permanently welded, stamped, or engraved on the equipment or on the name plate where it is easy to read. [Rule 10]
2. This permit, or copy thereof, including the permit conditions, shall be attached to or accompany the equipment at all times. [Rule 10]
3. Conditions listed below and identified as CONFINED apply only to confined abrasive blasting operations, whereas conditions identified as UNCONFINED apply only to unconfined abrasive blasting operations. [Rule 21]
4. UNCONFINED - The equipment shall not blast more than 2,061 tons of abrasive per calendar year (January through December) and a record of the amount of abrasive blasted on each day of unconfined equipment use shall be maintained for the three previous years on site and be made available to the District upon request. [Rule 21]
5. CONFINED - Particulate matter emissions, except area fugitive emissions, shall be controlled using a fabric or cartridge type dust collector. [Rule 21]



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APCD2005-PTO-002690



6. CONFINED - For dust collectors not specifically listed on the above equipment description, a copy of the manufacturer's specifications or engineering data which demonstrate a minimum particulate matter arrestance of 99 percent for the dust collection equipment must be kept with the equipment and presented upon request to the Air Pollution Control District. [Rule 21]
7. CONFINED - Except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters. [Rule 21]
8. CONFINED - All filters, gauges and dust control equipment shall be maintained in proper operating order. [Rule 21]
9. UNCONFINED - No air contaminant which causes a public nuisance shall be released into the air. [Rule 51]
10. CONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 1 or equivalent 20 percent opacity. [Rule 50]
11. UNCONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
12. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
17. Measures shall be taken so that ground dust does not become airborne. (elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). [Rule 55]
18. When blasting fiberglass, the dust generated shall be captured and filtered and such capture and filtration equipment shall have a separate permit. [Rule 10; Rule 1200]
19. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [17 CCR]
14. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [17 CCR]
15. Any abrasive blasting operation conducted outside a permanent abrasive blast building, room, booth, or cabinet must use the following methods: wet abrasive blasting, hydro blasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting or steel or iron shot/grit may be used. For procedures and other requirements refer to California Code of Regulations, starting at Section 92000. [17 CCR]
16. This equipment shall not be used to blast concrete, stucco, or plaster type materials unless wet blasting equipment or other procedures as described in the California Code of Regulations starting at Section 92000 (especially 92520) are used. [17 CCR]
20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-003908

PERMIT ID
APCD2008-PTO-007657
APCD2008-PTO-007657

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

MARINE COATING OPERATIONS: OUTSIDE PAINT APPLICATION STATIONS

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
BEC: 0736Q

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary Permit to Operate (PTO). For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
2. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall receive prior District approval by applying for and obtaining an authority to construct for all such modifications. (Rule 51)
3. Permittee shall operate the marine coating operations described above in compliance with all applicable standards of 40 CFR part 63.783, including coating VOHAP limits and coating handling, transfer, and container requirements. [40 CFR 63 Subpart II]
4. Permittee shall maintain records and make reports for the coating operations described above in accordance with all applicable requirements of 40 CFR Part 63.788. Such records shall be maintained on site for a period of no less than five years and be made available to the District or Federal EPA upon request. [40 CFR 63 Subpart II]



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PERMIT ID
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APCD2008-PTO-007657

5. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
6. If requested by the District or EPA, the applicable test methods listed in Rule 67.18 Section (G) shall be used to determine coating VOC content. [Rule 67.18]
7. Marine coating operation shall comply with all applicable requirements of Rule 67.18. (Rule 67.18)
8. The VOC content of non-specialty coatings for marine coating operations subject to Rule 67.18 shall not contain more than 340 grams per liter VOC for air dried coatings and not more than 275 grams per liter for baked coatings. (Rule 67.18)
9. Marine surface preparation materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F). (Rule 67.18)
10. VOC-containing materials used to clean equipment used in marine coating operations shall meet one of the following requirements:
 - a. The VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. The initial boiling point is at least 190°C (374°F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. The cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. The application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. A system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. A device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.18)
11. High Volume Low Pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. All solvents, materials containing solvents and other materials containing organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-003908

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14. Permittee shall maintain records for marine coating operations in accordance with Rule 67.18. The records shall contain, at a minimum, the following information:
 - a. current list of coatings, coating components (bases, catalysts, thinners, etc.), surface preparation materials and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1) coatings shall specify category as per Rule 67.18(D)(1) and 67.18(D)(2) manufacturer name, manufacturer identification, VOC content, and mix ratio;
 - 2) coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3) surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification. The VOC content, vapor pressure or boiling point shall be listed as applicable to demonstrate compliance with the conditions of this permit;
 - 4) current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(D)(2);
 - b. current Material Safety Data Sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS and manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage and material density (weight per volume) or material specific gravity (material density relative to the density of water); and,
 - c. monthly usage records for each coating, coating component, cleaning and surface preparation material. (Rule 67.18 and 21)
15. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.18]
16. In addition to all of the conditions in this permit, the following four conditions shall apply when a contractor conducts any marine coating operation under this permit. For the purposes of this permit, a contractor is any person not employed by this stationary source and the permittee is employed by the stationary source. [Rule 21]
17. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
18. Contractors shall comply with all conditions in this Permit to Operate. (Rule 21)
19. Contractors shall report the following information to the permittee for each marine coating operation conducted under this permit in a format approved by the permittee. The information under items a and b below shall be provided to the permittee prior to commencing any marine coating operation.
 - a. current list of coatings, coating components (bases, catalysts, thinners, etc.), surface preparation materials, and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1) coatings shall specify category as per Rule 67.18(D)(1) and 67.18(D)(2), manufacturer name, manufacturer identification, VOC content, and mix ratio;
 - 2) coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3) surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification (VOC content, vapor pressure and boiling point shall be listed as applicable), and;
 - 4) current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(D)(2);
 - b. current MSDS or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS and manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. monthly usage records.
(Rule 67.18 and 21)
20. The permittee shall ensure compliance with all conditions in this permit to operate, including VOC content, based on the records obtained from the contractor. (Rule 21)
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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Sectors: 5, P
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App ID: APCD2015-APP-003908

PERMIT ID
APCD2008-PTO-007657
APCD2008-PTO-007657

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

- 22. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 23. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2010-APP-001439

PERMIT ID
APCD2004-PTO-030379


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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE BLAST MACHINE (22-TON CAPACITY): KEY HOUSTON MODEL T-22, WITH 8 NOZZLES, With optional Dust Collecting equipment: Torit model TD6120 or other type with a minimum 99% particulate matter arrestance; with optional Abrasive Vacuum Recovery and Re-use system: MISCO model MDC-3HV utilizing "Ultra-Web" cartridges or other cartridges with a minimum 99.9% particulate matter arrestance.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01B] Abrasive Blasting Pot
BEC: APCD-2011-CON-000301

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The equipment serial number or other unique number shall be permanently welded, stamped, or engraved on the equipment or on the name plate where it is easy to read. [Rule 21]
2. This permit, or copy thereof, including the permit conditions, shall be attached to or accompany the equipment at all times. [Rule 10]
3. Conditions listed below and identified as CONFINED apply only to confined abrasive blasting operations, whereas conditions identified as UNCONFINED apply only to unconfined abrasive blasting operations. [Rule 21]
4. UNCONFINED - The equipment shall not blast more than 8,245 tons of abrasive per calendar year (January through December) and a record of the amount of abrasive blasted on each day of unconfined equipment use shall be maintained on site for the three previous years and be made available to the District upon request. [Rule 21]
5. CONFINED - Particulate matter emissions, except area fugitive emissions, shall be controlled using a fabric or cartridge type dust collector. [Rule 21]



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6. CONFINED - For dust collectors not specifically listed on the above equipment description, a copy of the manufacturer's specifications or engineering data which demonstrate a minimum particulate matter arrestance of 99 percent for the dust collection equipment must be kept with the equipment and presented upon request to the Air Pollution Control District. [Rule 21]
7. CONFINED - Except for vent filters, each fabric dust collector shall be equipped with an operational pressure differential gauge to measure the pressure drop across the filters. [Rule 21]
8. CONFINED - All filters, gauges and dust control equipment shall be maintained in proper operating order. [Rule 21]
9. UNCONFINED - No air contaminant which causes a public nuisance shall be released into the air. [Rule 51]
10. CONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 1 or equivalent 20 percent opacity. [Rule 50]
11. UNCONFINED - No air contaminant shall be discharged into the atmosphere for a period aggregating more than three minutes in any one-hour which is as dark or darker than Ringelmann 2 or equivalent 40 percent opacity. [Rule 50]
12. Dust emissions from the blast machine during loading operations shall be filtered or otherwise treated, when necessary, to allow compliance with the visible emissions limitation of APCD Rule 50, (visible emissions shall not exceed 20% opacity (#1 Ringelmann) for more than 3 minutes in any 60 consecutive minutes). [Rule 50]
17. Measures shall be taken so that ground dust does not become airborne. (elevate the item to be blasted above the ground and/or apply water to the surrounding area and reapply water to maintain damp ground surface and/or remove spent sand periodically, etc.). [Rule 55]
18. When blasting fiberglass, the dust generated shall be captured and filtered and such capture and filtration equipment shall have a separate permit. [Rule 10; Rule 1200]
19. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

13. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [17 CCR]
14. All abrasive blasting operations shall be conducted within a permanent abrasive blast building, room, booth, or cabinet except if steel or iron shot/grit is used exclusively or if the item to be blasted exceeds 8 ft in any dimension or if the surface to be 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. For procedures and other requirements refer to the California Code of Regulations, starting at Section 92000. [17 CCR]
15. Any abrasive blasting operation conducted outside a permanent abrasive blast building, room, booth, or cabinet must use the following methods: wet abrasive blasting, hydro blasting, vacuum blasting, or abrasives certified for permissible dry outdoor blasting or steel or iron shot/grit may be used. for procedures and other requirements refer to California Code of Regulations, starting at Section 92000. [17 CCR]
16. This equipment shall not be used to blast concrete, stucco, or plaster type materials unless wet blasting equipment or other procedures as described in the California Code of Regulations starting at Section 92000 (especially 92520) are used. [17 CCR]
20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1985-APP-040695

PERMIT ID
APCD2004-PTO-040695

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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE STORAGE HOPPER, ELEVATED: 32 TON CAPACITY, EQUIPPED WITH A DUST COLLECTOR

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [01C] Bulk Abrasive Blasting
BEC: 12275

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

- 1. Permittee shall comply with Rule 52 (PM emissions not to exceed 0.10 gr/dscf). [Rule 52]
2. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]
3. The air pollution control device shall be maintained in good operating condition and shall be in operation whenever the equipment described above is in operation. [Rule 21]
4. Permittee shall perform the following monitoring at least once every six (6) months and maintain records of the results: 1) visually inspect the vent filter system to verify it is in good working order and 2) observe the exhaust from the vent system to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions. [Rule 21]
5. There shall be no visible emissions at the hopper vent filter. [Rule 21]
6. The transfer of bulk abrasive from the storage hopper to the abrasive blast pot shall be controlled to comply with the emission standards of Rule 50 (visible emissions of any air contaminant not to exceed Number 1 on the Ringelmann Chart (20 percent opacity)). [Rule 50]



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PERMIT ID
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7. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

- 8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 9. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2007-APP-985915

PERMIT ID
APCD2009-PTO-860526

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE BLAST SYSTEM, GIETART MODEL GW 3200-640, WITH A TORIT MODEL DFO4-32 DUST COLLECTOR. USES A BLAST TURBINE WHEEL BRAND WHEELABRATOR, MODEL NO. 732158. JFTLKRJAN0505 (985915 ALC 01/09)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02A] Abrasive Blasting Cabinet/Room
BEC: 0167R

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 52 (PM emissions not to exceed 0.10 gr/dscf). [Rule 52]
2. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]
3. The Air Pollution Control device shall be maintained in good operating condition and shall be in operation whenever the equipment described above is in operation. [Rule 21]
4. The abrasive use for blasting and recycling shall be limited to steel shot. [Rule 21]
5. During recycling equipment operation, the return ducts to the abrasive recycling barrels shall be enclosed to prevent violation of Rule 50. [Rule 50]
6. A differential pressure gauge shall be installed across the filter media and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 1 and 6 inches of water. Readings from the differential pressure gauge shall be recorded in a logbook each day of equipment use. [NSR; Rule 21]



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App ID: APCD2007-APP-985915

PERMIT ID
APCD2009-PTO-860526


7. Permittee shall perform the following monitoring at least once every six months and maintain records of the results: 1) visually inspect the dust collector system to verify it is in good working order. 2) observe the dust collector exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions. [Rule 21]
8. A log of all inspections, repairs, malfunctions and breakdowns of the dust collector shall be maintained on site for the above equipment. [Rule 21]
9. All records required by this permit shall be kept for a minimum of three years and made available to District personnel upon request. [Rule 21]
10. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

11. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
12. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1987-APP-861053

PERMIT ID
APCD2004-PTO-861053
APCD2004-PTO-861053

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EQUIPMENT DESCRIPTION

METAL PARTS AND AUTOMOTIVE REFINISHING APPLICATION STATION, OUTSIDE USING HVLP SPRAY GUNS

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27J] Surface Coating Station
BEC: 11621

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with all applicable requirements of Rule 67.3 and Rule 67.20.
2. A permit shield is granted from enforcement action for the following requirements: Rule(s) 52 and 66, based on the District's determination that these rules are not applicable to the above equipment. [Rule 1410(p)]
3. Permittee shall operate the coating application station described above in compliance with all applicable standards of Rule 67.3 Section (d), including application methods, surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements. [Rule 67.3]
4. Permittee shall maintain records for the application station described above in accordance with all applicable requirements of Rule 67.3 Section (f).
5. If requested by the District or EPA, the applicable test methods listed in Rule 67.3 Section (g) shall be used to determine compliance with the applicable standards of Rule 67.3 Section (d).
6. Permittee shall maintain current MSDS's or manufacturer's specifications on site which identify the VOC content, vapor pressure or initial boiling point, as applicable, for all materials containing organic solvents used in the operation described above. [Rules 67.3 and 21]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1987-APP-861053

PERMIT ID
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7. The permittee will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure of coating application equipment or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The permittee shall maintain a permanent air pressure at the air cap in the range of 0.1 to 10 psig. This condition applies only to those operations which claim the use of high volume low pressure (HVLP) application equipment to comply with District Rules. [Rules 67.3 and 21]
8. Permittee shall operate the coating application station described above in compliance with all applicable standards of Rule 67.20 Section (d), including application methods, surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements. [Rule 67.20]
9. Permittee shall maintain records for the application station described above in accordance with all applicable requirements of Rule 67.20 Section (f).
10. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

11. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
12. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1990-APP-900255

PERMIT ID
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EQUIPMENT DESCRIPTION

POLYESTER RESIN MFG: HAND LAYUP OF POLYESTER RESIN MATERIALS.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27F] Fiberglass/Plastic/Foam Process Line
BEC: 11623

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with all applicable requirements of Rule 67.12.
2. A permit shield is granted from enforcement action for the following requirements: Rule(s) 52, 66 and 67.18, based on the District's determination that these rules are not applicable to the above equipment. [Rule 1410(p)]
3. Permittee shall operate the operation described above in compliance with all applicable standards of Rule 67.12 section (d), including resin monomer content limits, self-closing container requirements, sanding, grinding and cutting requirements for materials cominting fiberglass, VOC reclamation system requirements, and application methods. [Rule 67.12]
4. Permittee shall maintain records for the operation described above in accordance with all applicable requirements of Rule 67.12 Section (f).
5. If requested by the District or EPA, the applicable test methods listed in Rule 67.12 Section (g) shall be used to determine compliance with the applicable standards of Rule 67.12 Section (d).
6. Permittee shall maintain current MSDS's or manufacturer's specifications on-site which identify the VOC content, vapor pressure or initial boiling point, as applicable, for all materials containing organic solvents used in the operation described above. [Rules 67.12 and 21]
7. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1990-APP-900255

PERMIT ID
APCD2004-PTO-900255
APCD2004-PTO-900255

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

- 8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 9. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-986753

PERMIT ID
APCD2008-PTO-900256
APCD2008-PTO-900256

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EQUIPMENT DESCRIPTION

FIBER GLASS MACHINING FACILITY: VARIOUS HAND AND MOTOR TOOLS; PLASTIC SHROUDING OF THE WORK AREA (ADJUSTABLE ROOM) WITH A FILTERED VENTILATION SYSTEM, CONTROL RESOURCE SYSTEMS, INC., MODEL 2000, WITH PRE-FILTER AND FINAL HEPA FILTER; PORTABLE VACUUM CLEANER WITH FINE DUST FILTRATION KIT W/ FILTER BAG. (APPL# 984565 EFH)(986753-CCN-8/12)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [36A] Grinding Booth or Room
BEC: 1490T

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 52 (PM emissions not to exceed 0.10 gr/dscf). [Rule 52]
2. Air pollution control equipment shall be maintained in good operating condition and shall be in full operation in accordance with manufacturer's instructions at all times when the process equipment is in operation. [NSR]
3. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [NSR]
4. All fiber glass machining shall be in a sealed enclosure with a filtered exhaust vent and a controlled air inlet to prevent fugitive dust emissions. [NSR]
5. The glass fiber machining room shall be vacuumed daily. [NSR]
6. Before the enclosure is moved, the interior of the enclosure shall be vacuumed using a brush attachment. [NSR]
8. Air ducts and the air pollution control device shall be inspected, cleaned and repaired no less frequently than on 6 month intervals. The date that equipment is inspected, cleaned or repaired shall be recorded in an inspection/maintenance log book, which shall be made available to the District upon request. [NSR; Rule 21]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-986753

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9. A differential pressure gauge shall be maintained across the filter media to indicate filter condition. The differential pressure of each turbine vacuum investigated and repairs shall be made immediately to rectify the cause of the change of pressure drop. The gauge reading shall be entered in the inspection/maintenance log book on each day of equipment use. [NSR; Rule 21]
10. All ventilation air and all vacuum air shall pass through a filter that is at least 95 percent efficient by A.S.H.R.A.E. standards (or equivalent). [NSR]
11. This equipment shall not be used unless the filters are installed and sealed on all four edges to prevent contaminated air from bypassing the filters. [NSR]
13. All fiberglass particulate collected for disposal shall be stored in a sealed container pending disposal. There shall be no open disposal of fiberglass particulate. [NSR]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. Measures shall be taken to prevent carrying out of dust from the enclosure.
12. The removal and cleaning of the filters and screens, and the disposal of the dust, shall be done in a careful manner to minimize dust emissions to the atmosphere.
15. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
16. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1992-APP-911128

PERMIT ID
APCD2004-PTO-911128
APCD2004-PTO-911128

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

SOLVENT DISTILLATION OPERATION: ONE (1) FINISH THOMPSON INC MODEL LS-55IID SOLVENT RECOVERY STILL, 55-GAL CAPACITY, WITH A PROCESSING RATE OF 55-GAL PER SHIFT EQUIPPED WITH ELECTRIC HEATING, AIR COOLED, AND VARIOUS SAFETY FEATURES.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [44B] Solvent Recovery Still

BEC: 0770Y

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The equipment subject to this permit shall be operated and maintained in accordance with the manufacturer's instructions, except as otherwise specified by the District. The manufacturer's instructions shall be maintained on site and made available to the District. [NSR]
2. Permittee shall maintain daily records of each material processed in the still. The records at a minimum shall provide the identity, VOC content and volume of each material processed, reclaimed and disposed of as still bottom waste. [NSR]
3. Water shall not be visibly detectable in the organic compound phase exiting the water separator, nor shall the organic compounds be visibly detectable in the aqueous phase leaving the separator. [NSR]
4. All liquid transfer lines, piping, and associated fittings shall be maintained in a leak tight condition. [NSR]
5. Permittee shall maintain current MSDS's or manufacturer's specifications on-site which identify the VOC content, vapor pressure or initial boiling point, as applicable, for all materials containing organic solvents used in the operation described above. [NSR]
6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1992-APP-911437

PERMIT ID
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EQUIPMENT DESCRIPTION

FACILITY-WIDE WOOD COATING OPERATION AND ADHESIVE APPLICATION OPERATION: CONSISTING OF ONE (1) HVLP SPRAY GUN, BRUSHES AND ROLLERS USED TO APPLY VARIOUS COATINGS TO WOOD, AND ADHESIVES TO WOOD AND PLASTIC PRODUCTS. APP 979619 GDS OCT07

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Q] Wood Product Coating Application Station

BEC: 0792A

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. A permit shield is granted from enforcement action for the following requirements: Rule(s) 52, 67.3, and 67.5, based on the District's determination that these rules are not applicable to the above equipment. [Rule 1410(p)]
2. Permittee shall not use this emission unit to apply coatings or adhesive to ships. (Rule 67.11, Rule 67.21)
4. Average combined material usage of wood coating and adhesive from this Emission Unit shall not exceed 10 gallons per day per calendar month. If monthly material usage records are maintained, the number of material usage days per calendar month shall be recorded. Average daily material usage is determined by dividing the combined monthly material usage by the number of material usage days per calendar month. [NSR - BACT]
5. Emissions of volatile organic compounds (VOC) from this equipment shall not exceed 5 tons in any 12 consecutive months. (Rule 20.2)
6. Maximum usage of wood coatings shall not exceed 500 gallons in every consecutive twelve (12) month period. [NSR]
7. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)



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8. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
9. Permittee shall maintain the following records in accordance with Rules 67.11 (wood coating) and 67.21 (adhesive application). These records shall be maintained on site for at least five (5) years and shall be made readily available to the District upon request:
 - a. Current list of all VOC-containing materials in use, including all coatings, coating component for multi-component coatings (such as bases, catalysts, thinners or reducers, when supplied in separate containers), adhesive materials, and materials used for surface preparation, equipment cleaning, and stripping. This list shall include the following information:
 1. material name, manufacturer and manufacturer identification;
 2. current documentation to demonstrate applicability of any coating category pursuant to Rule 67.11(d)(2 and (3) and Rule 67.21(d)(i);
 3. mix ratio, when applicable;
 - b. For coatings, other than low-solids coatings, the VOC content expressed in grams per liter (or lbs/gal), as applied, less water and exempt compounds; and mix ratio of components, if applicable;
 - c. For surface preparation, cleaning and stripping materials associated with the wood coating operation or for low-solids coatings, the VOC content expressed in grams per liter (or lbs/gal) of material, as used;
 - d. Vapor pressure of materials used for stripping operation, when necessary to demonstrate compliance with Rule 67.11(d)(5);
 - e. Current manufacturer specification sheets, material safety data sheets (MSDS), product data sheets, or technical bulletins for all materials in use, which shall list all components within each VOC-containing material in use. The manufacturer specification sheets, material safety data sheets, product data sheets, or technical bulletins shall also include: the VOC content (actual and regulatory), toxic air contaminant (TAC) content weight or weight percentage, and material density (weight per volume) or material specific gravity (material density relative to the density of water) for all materials in use;
 - f. Daily or monthly VOC emissions. If monthly records are maintained, the number of operating days per calendar month shall be recorded;
 - g. Daily or monthly usage records of adhesive materials;
 - h. Daily or monthly usage records of wood coatings;
 - i. Monthly inventory, purchasing or dispensing records of the amount of each stripping, surface preparation and cleaning material used for wood coating operations;
 - j. Records of the dates and amounts of material added to coating dip tanks, when applicable;
 - k. Type of application equipment used for wood coating operation; and,
 - l. If applicable, all District approval documentation for coating application equipment, issued in accordance with Rule 67.11(d)(1)(vii). (Rules 67.11, 67.21 and 21)
10. The following conditions shall be applicable to wood coating operations. (Rule 67.11)
11. Except as otherwise provided for in section (b), this operation shall comply with all applicable requirements in Rule 67.11, including the VOC limits under subsections (d)(2) and (3). (Rule 67.11)
12. All VOC- containing materials used for stripping operations shall comply with one of the following requirements:
 - a. Material shall contain 200 grams or less of VOC per liter of material; or
 - b. Material shall have a total VOC vapor pressure of 2 mm Hg or less, at 20°C (68°F). (Rule 67.11)
13. All VOC-containing materials used for surface preparation shall contain 25 grams or less of VOC per liter of material. (Rule 67.11)



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14. All VOC-containing materials used for the cleaning of coating application equipment shall comply with one of the following requirements:
 - a. The cleaning material shall contain 25 grams or less of VOC per liter of material; or
 - b. The cleaning material shall be flushed or rinsed through the application equipment in a contained manner that minimizes evaporation into the atmosphere; or
 - c. The application equipment or equipment parts shall be cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning material is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - d. A system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes shall be used. (Rule 67.11)
15. Spray application equipment shall not be used to dispose of waste coatings or solvents into the air. [NSR]
16. Permittee shall only apply coatings using one of the following methods: High Volume Low Pressure (HVLP) spray application, electrostatic spray application, flow coat application, dip coat, roll coat, or hand application methods (i. e. brushes, rollers, markers, marking pens, etc.). Alternatively, an equivalent application method that has been approved by the District in writing may be used. (Rules 67.20.1/67.3/67.11)
17. Permittee shall operate any coating application equipment subject to Rule 67.11(d)(1)(vii) in accordance with written District approval for the application equipment. (Rule 67.11)
18. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
19. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
20. The following conditions shall be applicable for adhesive materials applications. (Rule 67.21)
21. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in these adhesives materials application operation shall comply with Rule 67.21 requirements. (Rule 67.21)
22. The permittee shall not use more than a total of 55 gallons of non compliant materials in a calendar year at a stationary source. These materials include: adhesive materials, surface preparation, stripping, cleanup materials, and adhesive bonding agents. In order to claim this exemption, the permittee shall comply with the recordkeeping standards of Rule 67.21.
23. VOC containing materials used for surface preparation, stripping, cleanup or used as an adhesive bonding agent shall meet one of the following requirements:
 - a. the VOC content does not exceed 70 grams per liter (0.58 pounds per gallon) of material; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F). (Rule 67.21)



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- 24. VOC containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 70 grams per liter (0.58 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere, or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases, or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes, or
 - g. other application equipment cleaning methods are used that are demonstrated to be as effective as any of the equipment described above in minimizing the VOC emissions to the atmosphere, provided that the method has been tested and approved in writing by the Air Pollution Control Officer prior to use. (Rule 67.21)
- 25. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

- 3. Permittee shall not use materials containing hexavalent chromium, nickel, cadmium, lead, copper, beryllium, manganese, or arsenic in the above operation. (Rule 1200)
- 26. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 27. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000712

PERMIT ID
APCD2008-PTO-921303
APCD2008-PTO-921303

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXI030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #14.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules: 1 [92F] NOx and CO Source Test
1 [34E] Dredging or Crane Engines
1 [92I] Ammonia Source Test

BEC: APCD2010-CON-000116

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 37198947, 37198949, 37197546, 37197383 or 37223631 may be used in this crane. No more than four of these engines shall be installed at this facility at any one time. [NSR; Rule 10]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [NSR]
8. Fuel consumption for this engine, and any spare engine used in the same crane, shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]
9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]



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12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [NSR; Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000710

PERMIT ID
APCD2008-PTO-950704
APCD2008-PTO-950704

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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXI015.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #11.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules: 1 [92F] NOx and CO Source Test
1 [34E] Dredging or Crane Engines
1 [92I] Ammonia Source Test

BEC: APCD2010-CON-000117

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A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either serial no. 79092794, 79093287, 79170022, 14020638 or 79221158 may be used in this crane. No more than four of these engines shall be installed or operated at this facility at any one time. [NSR; Rule 21]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [NSR]
8. Fuel consumption for this engine, and any spare engine used in the same crane, shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]
9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]



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PERMIT ID
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12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [NSR; Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000708

PERMIT ID
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PERMIT TO OPERATE

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The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 6CEXI015.AAB, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #10.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules:
- 1 [92F] NOx and CO Source Test
 - 1 [92Z] Miscellaneous Source Test (T&M)
 - 1 [34E] Dredging or Crane Engines
 - 1 [92I] Ammonia Source Test

BEC: APCD2010-CON-000117

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept on site. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 79092794, 79093287, 79170022, 14020638 or 79221158 may be used in this crane. No more than four of these engines shall be installed or operated at this facility at any one time. [NSR; Rule 10]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [NSR]
8. Fuel consumption for this engine, and any spare engine used in the same crane, shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000708

PERMIT ID
APCD2008-PTO-950705
APCD2008-PTO-950705

9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]
12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [NSR; Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000711

PERMIT ID
APCD2008-PTO-950706
APCD2008-PTO-950706

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXI030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #12.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules: 1 [92F] NOx and CO Source Test
1 [34E] Dredging or Crane Engines
1 [92I] Ammonia Source Test

BEC: APCD2010-CON-000116

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 37198947, 37198949, 37197546, 37197383 or 37223631 may be used in this crane. No more than four of these engines shall be installed at this facility at any one time. [NSR; Rule 10]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [NSR]
8. Fuel consumption for this engine, and any spare engine used in the same crane, shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]
9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]



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12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [NSR; Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-986177

PERMIT ID
APCD2006-PTO-961422
APCD2006-PTO-961422

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PERMIT TO OPERATE

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EQUIPMENT DESCRIPTION

Crane #8: Caterpillar, Model C-15, 563 BHP, diesel fired, turbocharged, aftercooled, S/N FSE02164, Engine Family No. 8CPXL15.2ESW, vented to a Johnson Matthey CRT diesel particulate filter.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34E] Dredging or Crane Engines
BEC: APCD2011-CON-000403

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
5. Fuel consumption for this engine shall not exceed 178,115 gallons per calendar year. A daily log of fuel consumption for this engine shall be maintained on the premises. [NSR]
9. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
10. Permittee shall monitor all operating parameters recommended by the engine manufacturer. [NSR]
14. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
15. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
3. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-986177

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4. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
6. The diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [17CCR 93115]
7. Diesel particulate filter backpressure shall not exceed the high back-pressure limit of 32.7 inches of water. The red warning light shall be set 32.7 inches of water column. Documentation of the settings for each warning light shall be maintained with the equipment and be made promptly available upon District request. [17CCR 93115]
8. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]
11. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]
12. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
13. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
16. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
17. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000707

PERMIT ID
APCD2008-PTO-961424
APCD2008-PTO-961424

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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 5CEXI015.AAB, vented to a diesel particulate filter, driving Crane #9.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34E] Dredging or Crane Engines
BEC: APCD2010-CON-000118

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either serial no. 79092794, 79093287, 79170022, 14020638 or 79221158 may be used in this crane. No more than four of these engines shall be installed or operated at this facility at any one time. [NSR; Rule 10]
9. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
10. Permittee shall monitor all operating parameters recommended by the engine manufacturer. [NSR]
12. A daily log indication of fuel consumption of the engine shall be maintained on the premises. [NSR]
16. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
17. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]



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4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
5. The diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [17CCR 93115]
6. Diesel particulate filter backpressure shall not exceed the high back-pressure limit of 32.4 inches of water (81.1 millibars). The red warning light shall be set 32.4 inches of water column. Documentation of the settings for each warning light shall be maintained with the equipment. [17CCR 93115]
7. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]
8. The engine shall be equipped with a device that alerts the owner or operator prior to the high backpressure limit being reached. (17 CCR 93115)
11. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
13. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]
14. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
15. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
18. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
19. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000706

PERMIT ID
APCD2008-PTO-961425
APCD2008-PTO-961425

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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QSX15-G9 NR2, 680 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 5CEXI015.AAB, vented to a diesel particulate filter, driving Crane #7.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [34E] Dredging or Crane Engines
BEC: APCD2010-CON-000118

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 79092794, 79093287, 79170022, 14020638 or 79221158 may be used in this crane. No more than four of these engines shall be installed or operated at this facility at any one time. [NSR; Rule 10]
9. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [NSR]
10. Permittee shall monitor all operating parameters recommended by the engine manufacturer. [NSR]
12. A daily log indication of fuel consumption of the engine shall be maintained on the premises. [NSR]
16. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
17. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]



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4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
5. The diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [17CCR 93115]
6. Diesel particulate filter backpressure shall not exceed the high back-pressure limit of 32.4 inches of water (81.1 millibars). The red warning light shall be set 32.4 inches of water column. Documentation of the settings for each warning light shall be maintained with the equipment. [17CCR 93115]
7. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]
8. The engine shall be equipped with a device that alerts the owner or operator prior to the high backpressure limit being reached. (17 CCR 93115)
11. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [Rule 69.4.1]
13. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]
14. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
15. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
18. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
19. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 5, P
 Site ID: APCD1976-SITE-00145
 App ID: APCD2001-APP-977104

PERMIT ID
 APCD2004-PTO-972497

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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Sara Giobbi PO Box 85278 M/S 22A, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Marine coating primer line operations:
 Primeline #1

One (1) Metzger semi-automated priming line-22'6"X15'HX17'D, Model #H-3200 equipped with pneumatic driving mechanism and water curtain vented to Tellkamp Systems, Inc. Model 10R Oxidizer regenerative thermal oxidizer, 10,000 SCFM Cap., equipped with high temperature limiters, operating interface and temperature recorders; and Sanborn Turbo Separator Model T18-2 self-cleaning centrifuge.

Primeline #2

One (1) spray paint booth, 10'L X 12'W X 12'H, vented to and Inluft Relox GMBH regenerative thermal oxidizer, 5,070 SCFM capacity, equipped with high temperature limiters, operating interface and temperature recorder.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [27Z] NASSCO
 1 [92R] VOC Lab Analysis (T&M)
 1 [92Q] VOC Source Test (T&M)

BEC: 12443

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All marine coating operations associated with the primer lines shall only be conducted by the permittee.(Rule 21)



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App ID: APCD2001-APP-977104

PERMIT ID
APCD2004-PTO-972497



2. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO). For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 11]
3. Permittee shall operate the coating operation described above in compliance with all applicable standards of Rule 67.18 Section (D), including surface preparation and cleanup requirements, coating voc limits and application equipment cleanup requirements. [Rule 67.18]
4. Marine surface preparation materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F). (Rule 67.18)
5. VOC-containing materials used to clean equipment used in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.18)
6. If requested by the district or EPA, the applicable test methods listed in Rule 67.18 Section (g) shall be used to determine coating VOC content. [Rule 67.18]
7. Permittee shall operate the marine coating operations described above in compliance with all applicable standards of 40 CFR 63.783, including coating VOHAP limits and coating handling, transfer, and container requirements. [40 CFR 63 Subpart II]
8. Permittee shall maintain records and make reports for the coating operations described above in accordance with all applicable requirements of 40 CFR Part 63.788. Such records shall be maintained on site for a period of no less than five years and be made available to the district or federal EPA upon request. [40 CFR 63 Subpart II]
9. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
10. The combined control and capture efficiency of the regenerative thermal oxidizer for Primeline # 2 shall average at least 95% on an hourly basis by weight during operation. [Rule 21]
11. The post-control VOC emissions from the primer line process described above (including primeline 1 and 2) shall not exceed 191.4 lbs per day and 19.4 tons in any consecutive 12-month period. [NSR]
12. Each calendar month the permittee shall calculate the following:
 - a. the total monthly VOC emissions from the primer line process described above by the end of the following calendar month, and;
 - b. the total VOC emissions for the preceding consecutive 12-month period. (Rule 21)



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App ID: APCD2001-APP-977104

PERMIT ID
APCD2004-PTO-972497


13. Both regenerative thermal oxidizers for the primer line process described above shall be tested annually for compliance at the expense of the permittee to determine the volatile organic compound (VOC) emissions from the process unless notified in writing by the District. The air pollution control device exhaust shall be equipped with test ports and provisions for personnel access (e.g. scaffolding and platforms) for source testing. (Rule 21)
14. The temperature of each regenerative thermal oxidizer described above shall be maintained above 1400°F at all times when the associated primer line is operated, or when the primer or mixing equipment is being cleaned or maintained using VOC containing materials. [Rule 21; 40 CFR Part 64]
15. Cleanup of the paint application lines and guns at the primer line shall be performed such that the solvent is discharged within the confines of the primer line paint booth and the resulting VOC emissions are vented to the control device. [Rule 21]
16. The air pollution control devices described above shall be operated and maintained in accordance with the manufacturers' instructions, except as otherwise specified by the District. These instructions shall be kept on-site and readily available to the District upon request. The air pollution control device associated with the prime line shall be in operation whenever that primer line is in operation. (Rule 21)
17. There shall be no VOC emission leaks along the air pollution equipment transfer path (piping, flanges, valves, blowers, pipe fittings, etc.) which result in concentrations of 500 parts per million or greater by volume measured as propane at a distance of ½ inch (1.3 cm) from the transfer other than non-repeatable, momentary readings. [NSR; Rule 21]
18. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall receive prior District approval by applying for and obtaining an authority to construct for all such modifications. (Rule 51)
19. Permittee shall maintain records for marine coating operations in accordance with Rule 67.18. The records shall contain, at a minimum, the following information:
 - a. current list of coatings, coating components (bases, catalysts, thinners, etc.), surface preparation materials and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1) coatings shall specify category as per Rule 67.18(D)(1) and 67.18(D)(2) manufacturer name, manufacturer identification, VOC content and mix ratio;
 - 2) coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3) surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification, including VOC content, vapor pressure or boiling point to demonstrate compliance with Rule 67.18;
 - 4) current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(D)(2);
 - b. current Material Safety Data Sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS and manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily usage records from the primer lines, including mix ratios;
 - d. monthly VOC emissions from the primer lines. The permittee shall calculate the total monthly VOC emissions by the end of the following calendar month and shall calculate the total VOC emissions for the preceding consecutive 12-month period; and,
 - e. hourly exhaust temperatures for each thermal oxidizer. [Rules 67.18 and 21; 40 CFR Part 64]
20. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

22. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.



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23. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2001-APP-977117

PERMIT ID
APCD2004-PTO-973122


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PERMIT TO OPERATE

This permit is not valid until required fees are received by the District.

The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE BLAST MACHINE: BCP, MODEL 10-36 RC; WITH A CARTRIDGE DUST CONTROL FILTER UNIT, FILTER EFFICIENCY 99.9% AT 0.5 MICRONS.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02B] Abrasive Blasting Cabinet
BEC: 12383

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Permittee shall comply with Rule 52 (PM emissions not to exceed 0.10 gr/dscf). [Rule 52]
2. Air Pollution Control equipment shall be maintained in good operating condition in accordance with manufacturer's instructions so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the Air Pollution Control System. The control equipment shall be in full operation at all times when the process equipment is in operation. Manufacturer's instructions and specifications pertaining to the operation and maintenance of this equipment shall be maintained on site and made available to the District upon request. [Rule 21]
3. Air ducts, the air pollution control device, and the filter cleaning system shall be inspected, cleaned and repaired no less frequently than on six (6) month intervals. The date that equipment is inspected, cleaned or repaired shall be recorded in an inspection/maintenance log book, which shall be made available to the District upon request. The differential pressure gauge readings, taken across the filters, shall be recorded in the log book during facility use, on each day of use. [Rule 21]
4. A differential pressure gauge shall be installed across the filter media and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 1 and 6 inches of water. [Rule 21]



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6. The abrasive use for blasting and recycling shall be limited to steel shot. [Rule 21]
7. During recycling equipment operation, the return ducts to the abrasive recycling barrels shall be enclosed to prevent violation of Rule 50.
8. A log of all inspections, repairs, malfunctions and breakdowns of the control equipment shall be maintained on site for the above equipment. [Rule 21]
9. All records required by this permit shall be maintained with the equipment for a minimum of five years and made available to District personnel upon request. [Rule 1421]
10. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

5. No surface coatings containing Toxics, as identified in District Rule 1200, shall be removed with this equipment. [Rule 1200]
11. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
12. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2000-APP-974936

PERMIT ID
 APCD2007-PTO-974936

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

OPEN AIR PLASMA CUTTER AND EXHAUST CONTROLS: ESAB PLASMA CUTTING SYSTEM, MODEL AVENGER 3; TORIT DOWNFLO MODEL DFT 3-48 RATED AT 99.99% EFFICIENCY FOR 1 MICRON PARTICLES, FOLLOWED BY HEPA FILTER SYSTEM RATED AT 99.97% EFF. FOR 0.3 MICRON PARTICULATES AND A PARALLEL HEPA FILTER HOUSING CONSISTING OF THREE HEPA FILTERS EACH RATED AT 99.97% EFFICIENCY FOR 0.3 MICRON PARTICULATES. (974936-AFS-07/01) (984235-CCN-5/06)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
 2 [94E] Air Quality Inspector II

BEC: 12025

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
2. This emission unit shall be equipped with a capture system which applies a vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
3. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]
4. The differential pressure across the HEPA Filter System, as verified from the Magnehelic differential pressure gauge, shall be in the range of 0.5" to 8.0" of water. [Rule 52]



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5. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
6. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
7. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
9. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2000-APP-975149

PERMIT ID
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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

OPEN AIR PLASMA CUTTER AND EXHAUST CONTROLS: ESAB PLASMA CUTTING SYSTEM, MODEL AVENGER 3-10M VISNT; DONALDSON COMPANY INC., "TORIT DOWNFLO" MODEL DPT 4-48, RATED AT 99.99% EFFICIENCY FOR 1 MICRON PARTICLES, FOLLOWED BY HEPA FILTER SYSTEM RATED AT 99.97% EFFICIENCY FOR 0.3 MICRONS. (980832 ALC 02/06)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
3 [94E] Air Quality Inspector II

BEC: 12031

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
3. This emission unit shall be equipped with a capture system which applies a vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
4. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]
5. The differential pressure across the HEPA Filter System, as verified from the Magnehelic differential pressure gauge, shall be in the range of 0.5" to 8.0" of water. [Rule 52]



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6. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
8. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. Operation of the plasma cutter shall be limited to the following:
 - a) Cutting of stainless steel plate shall not exceed 876 hours per year,
 - b) Cutting of copper/nickel plate shall not exceed 876 hours per year.The permittee shall keep daily records of the hours of operation when cutting stainless steel plates and copper/nickel plates.
[Rule 1200]
9. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
10. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000713

PERMIT ID
APCD2008-PTO-975360
APCD2008-PTO-975360

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PERMIT TO OPERATE

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The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXI030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #15.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules: 1 [92I] Ammonia Source Test
1 [34E] Dredging or Crane Engines
1 [92F] NOx and CO Source Test

BEC: APCD2010-CON-000115

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 37198947, 37198949, 37197546, 37197383 or 37223631 may be used in this crane. No more than four of these engines shall be installed at this facility at any one time. [NSR; Rule 10]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [Rule 21]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [NSR; Rule 21]
8. The combined fuel consumption for the engine described in permits to operate 975360 and 975361, and any spare engine used in the corresponding cranes, shall not exceed 200,000 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]
9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]



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12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [17CCR 93115]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEXI030.ABA, vented to a diesel particulate filter and an Englehard selective catalytic reduction system, driving Crane #16.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

- Fee Schedules: 1 [34E] Dredging or Crane Engines
1 [92I] Ammonia Source Test
1 [92F] NOx and CO Source Test

BEC: APCD2010-CON-000115

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [NSR]
2. Only crane engines identical to the one described above with either Serial No. 37198947, 37198949, 37197546, 37197383 or 37223631 may be used in this crane. No more than four of these engines shall be installed at this facility at any one time. [NSR; Rule 10]
5. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [Rule 21]
7. The non-resettable fuel meter shall be maintained in good working order and used for recording total fuel usage of this engine. The District's Compliance Division shall be notified prior to replacement of the fuel meter. [NSR; Rule 21]
8. The combined fuel consumption for the engine described in permits to operate 975360 and 975361, and any spare engine used in the corresponding cranes, shall not exceed 200,000 gallons per calendar year. A daily log of fuel consumption of any engine used in this crane shall be maintained on the premises. [NSR]
9. Oxide of nitrogen (NOX) emissions from this engine shall not exceed 53 ppm by volume, measured in the flue gas calculated at 15 percent oxygen on a dry basis. [NSR]



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12. This equipment shall be source tested once each permit year (annual source test) to demonstrate compliance with the emission standards contained in this permit. For the purposes of this permit, a permit year is the 12-month period ending on the last day of the permit expiration month. It is the responsibility of the permittee to schedule the source test with the District. The source test shall be performed or witnessed by the District. Each annual source test shall be separated by at least 90 days from any annual source test performed in a different permit year. [Rule 21]
15. All records required by this permit shall be kept for a minimum of five (5) years and made available to District personnel upon request. [Rule 1421]
16. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. This equipment shall be fired on California diesel fuel only. [Rule 69.4.1, 17 CCR 93116]
4. The permittee shall maintain California diesel fuel certification to substantiate the use of this fuel. These records shall be maintained on-site for two years and made available to the District upon request. [Rule 69.4.1, 17 CCR 93116]
6. The Selective Catalytic Reduction System (SCR) and diesel particulate filter shall be maintained in good condition and in full operation at all times when the engine is in operation. [17CCR 93115]
10. Carbon monoxide (CO) emissions from the engine shall not exceed 4500 ppm by volume (ppmv), measured in the flue gas and calculated at 15 percent oxygen on a dry basis. [Rule 69.4.1]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200]
13. The owner or operator of this engine shall conduct periodic maintenance of this engine as recommended by the engine manufacturer or as specified by any other maintenance procedure as approved in writing, in advance by the District. The periodic maintenance shall be conducted at least once each calendar year. [Rule 69.4.1]
14. The owner or operator of the engine shall maintain an operating log containing at a minimum, the following: total cumulative fuel consumption per calendar year; record of periodic maintenance including dates maintenance was performed and the nature of the maintenance. [Rule 69.4.1]
17. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
18. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APC1976-SITE-00145
App ID: APCD2002-APP-977754

PERMIT ID
APCD2007-PTO-977754

General Dynamics NASSCO
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EQUIPMENT ADDRESS
General Dynamics NASSCO
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2798 East Harbor Dr
San Diego CA 92113

PERMIT TO OPERATE

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The above is hereby granted a Permit To Operate the article, machine, equipment or contrivance described below. This permit is not transferable to a new owner nor is it valid for operation of the equipment at another location except as specified. This Permit To Operate or copy must be posted on or within 25 feet of the equipment, or readily available on the operating premises.

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

PLASMA CUTTER, OPEN AIR, ROBOTIC. BRAND: SULT. SERIAL NO.: 0848-1735-01. AIR POLLUTION CONTROL EQUIPMENT: TWO PREFILTER UNITS WITH 18 CARTRIDGES TOTAL FILTER AREA OF 378 MT2 WITH AUTOMATIC PROGRAMMABLE COMPRESSED AIR CLEANING. HEPA FINAL FILTER WITH RATED EFFICIENCY 99.99% AT 0.3 MICRON. JFTNEWDEC1503

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
1 [94E] Air Quality Inspector II

BEC: 12543

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
3. This emission unit shall be equipped with a capture system which applies vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
4. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]
5. The differential pressure across the HEPA filter system, as verified from the Magnehelic differential pressure gauge, shall be in the range of 0.5" to 8.0" of water. [Rule 52]



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Sectors: 5, P
Site ID: APC1976-SITE-00145
App ID: APCD2002-APP-977754

PERMIT ID
APCD2007-PTO-977754


6. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
8. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. Operation of the plasma cutter shall be limited to mild steel plates only. [Rule 1200]
9. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
10. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2002-APP-978048

PERMIT ID
APCD2007-PTO-978048

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

PLASMA CUTTER. AT OPEN AIR, ROBOTIC. BRAND: SULT. SERIAL NO.: 0849-1735-01 AIR POLLUTION CONTROL EQUIPMENT: TWO PREFILTER UNITS WITH 18 CARTRIDGES TOTAL FILTER AREA OF 378 MT2 WITH AUTOMATIC PROGRAMMABLE COMPRESSED AIR CLEANING. HEPA FINAL FILTER AT RATED EFFICIENCY 99.99% AT 0.3 MICRON. JFT NEWDEC1503

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
1 [94E] Air Quality Inspector II

BEC: 12543

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

- 1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
3. This emission unit shall be equipped with a capture system which applies vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
4. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]
5. The differential pressure across the HEPA filter system, as verified from the Magnehelic differential pressure gauge, shall be in the range of 0.5" to 8.0" of water. [Rule 52]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2002-APP-978048

PERMIT ID
APCD2007-PTO-978048


6. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
8. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. Operation of the plasma cutter shall be limited to mild steel plates only. [Rule 1200]
9. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
10. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2004-APP-980584

PERMIT ID
APCD2008-PTO-979491

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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

PLASMA CUTTER: MADE BY ESAB CUTTING SYSTEMS, MODEL AVENGER 3, S/N 0560936755, USED FOR CUTTING MILD STEEL GRADE AH36, EH36 AND DH36, EQUIPPED WITH TORIT FILTER SYSTEM MODEL DFT-4-64, S/N IG910308, WITH TORIT ULTRA-WEB II FILTER CARTRIDGES, FOLLOWED BY TORIT HEPA FILTER SYSTEM. (979491-CCN-3/05)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
1 [94E] Air Quality Inspector II

BEC: 12792

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
2. This emission unit shall be equipped with a capture system which applies a vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
3. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]
4. The differential pressure across the HEPA Filter System, as verified from the Magnehelic differential pressure gauge, shall be in the range of 0.5" to 8.0" of water. [Rule 52]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2004-APP-980584

PERMIT ID
APCD2008-PTO-979491


5. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
6. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
7. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

8. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
9. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2003-APP-979955

PERMIT ID
APCD2006-PTO-979955

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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE BLAST MACHINE: SCHMIDT, MODEL 8031-032, S/N KX13326, VENTED TO 12" POLY-PLEATED FILTERS. (979955 ALC 03/06)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02B] Abrasive Blasting Cabinet
BEC: 12950

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]
2. The filters shall be inspected, cleaned and repaired, if needed, each day the equipment is to be used. The date that the equipment is inspected, cleaned or repaired shall be recorded in an inspection / maintenance log book, which shall be maintained and made available to the District upon request. (Rule 52)
4. Only ARB-approved blast material shall be used with this equipment. The type of blast media used shall be recorded in the inspection/ maintenance log book. (Rule 71)
5. All records required by this permit shall be kept for a minimum of three years and made available to District personnel upon request. [Rule 21]
6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2003-APP-979955

PERMIT ID
APCD2006-PTO-979955


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. No surface coatings containing toxic materials, as identified in District Rule 1200, shall be removed with this equipment. (Rule 1200)
7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2003-APP-979956

PERMIT ID
APCD2006-PTO-979956

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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

ABRASIVE BLAST MACHINE: SCHMIDT, MODEL 8031-032, S/N KX13327, VENTED TO 12" POLY-PLEATED FILTERS. (979956 ALC 03/06)

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [02B] Abrasive Blasting Cabinet
BEC: 12950

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 21]
2. The filters shall be inspected, cleaned and repaired, if needed, each day the equipment is to be used. The date that the equipment is inspected, cleaned or repaired shall be recorded in an inspection / maintenance log book, which shall be maintained and made available to the District upon request. (Rule 52)
4. Only ARB-approved blast material shall be used with this equipment. The type of blast media used shall be recorded in the Inspection/Maintenance Logbook. (Rule 71)
5. All records required by this permit shall be kept for a minimum of three years and made available to District personnel upon request. [Rule 21]
6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]



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Site ID: APCD1976-SITE-00145
App ID: APCD2003-APP-979956

PERMIT ID
APCD2006-PTO-979956


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. No surface coatings containing toxic materials, as identified in District Rule 1200, shall be removed with this equipment. (Rule 1200)
7. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
8. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2008-APP-987481

PERMIT ID
APCD2008-PTO-984991

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Plasma Cutter: Avenger Model 3.6 AVG V1555, S/N 0506943404; with a downdraft table vented to an 18,000 cfm Donaldson Torit dust collector, Model DFO3-60, equipped with HEPA filters.

Every person who owns or operates this equipment is required to comply with the conditions listed below and all applicable requirements and District rules, including but not limited to Rules 10, 20, 40, 50, 51.

Fee Schedules: 1 [91A] Miscellaneous
1 [94E] Air Quality Inspector II

BEC: APCD2009-CON-000044

FAILURE TO OPERATE IN COMPLIANCE IS A MISDEMEANOR SUBJECT TO CIVIL AND CRIMINAL PENALTIES

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Emissions of particulate matter (PM) from the exhaust of this equipment shall not exceed 0.10 grain per dry standard cubic foot. Compliance with this limit shall be met by adherence to the requirements of this permit. [Rule 52]
3. Differential pressure gauges shall be installed across the Torit dust collector and the HEPA filter system and maintained in good working order at all times. The pressure drop across the Torit dust collector shall be maintained between 0.5 and 8.0 inches of water. The pressure drop across the HEPA filter system shall be maintained between 0.2 and 8.0 inches of water. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [Rule 52]
4. This emission unit shall be equipped with a capture system which applies vacuum at the plasma cutting area and extends to the filtration control system (capture and control system). The capture and control system shall be in operation at all times when the plasma cutter is in operation. [Rule 52]
5. All equipment shall be operated and maintained in accordance with manufacturer's recommendations. A copy of the manufacturer's O&M recommendations shall be maintained onsite and shall be made available to District representatives upon request. [Rule 52]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
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PERMIT ID
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6. Differential pressure gauges shall be installed across the Torit dust collector and the HEPA filter system and maintained in good working order at all times. The pressure drop across the Torit dust collector shall be maintained between 0.5 and 8.0 inches of water. The pressure drop across the HEPA filter system shall be maintained between 0.2 and 8.0 inches of water. The gauge readings shall be noted in an equipment logbook on each day of equipment use. The logbook shall be kept on site and made available to the District upon request. [Rule 52]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
8. The owner or operator shall maintain an equipment operation and maintenance log which includes, but is not limited to, dates and times of equipment operation, differential pressure readings, and dates, times and descriptions of maintenance performed. [Rule 52]
9. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

2. Only mild steel with zinc shall be processed by this plasma cutter. (Rule 1200)
10. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
11. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Application Record ID
 APCD2015-APP-003908



Sectors: 5, P
Site Record ID: APCD1976-SITE-00145

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AUTHORITY TO CONSTRUCT
EXPIRES: May 6, 2016

After examination of your Application for an Air Pollution Control District (**hereinafter referred to as "the District"**) Authority to Construct and Permit to Operate for equipment located at the above location, the District has decided on the following actions:

Authority to Construct is granted pursuant to Rule 20 of the Air Pollution Control District Rules and Regulations for equipment to consist of:

Marine coating primer line process consisting of:

Primeline #1

One (1) Metzger semi-automated priming line-22'6"X15'HX17'D, Model #H-3200 equipped with pneumatic driving mechanism and water curtain vented to Tellkamp Systems, Inc. Model 10R Oxidizer regenerative thermal oxidizer, 10,000 SCFM Cap., equipped with high temperature limiters, operating interface and temperature recorders; and Sanborn Turbo Separator Model T18-2 self-cleaning centrifuge.

Primeline #2

One (1) spray paint booth, 10'L X 12'W X 12'H, vented to Relox Technik, Model Regenus 2008 regenerative thermal oxidizer, 4,700 SCFM capacity, equipped with high temperature limiters, operating interface and temperature recorder.

This Authority to Construct is issued with the following conditions:

1. All marine coating operations associated with the primer lines shall only be conducted by the permittee.
2. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO). For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC).
3. Permittee shall operate the coating operation described above in compliance with all applicable standards of Rule 67.18 Section (D), including surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements.

4. Marine surface preparation materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F). (Rule 67.18)
5. VOC-containing materials used to clean equipment used in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.18)
6. If requested by the district or EPA, the applicable test methods listed in Rule 67.18 Section (G) shall be used to determine coating VOC content.
7. Permittee shall operate the marine coating operations described above in compliance with all applicable standards of 40 CFR part 63.783, including coating VOHAP limits and coating handling, transfer, and container requirements.
8. Permittee shall maintain records and make reports for the coating operations described above in accordance with all applicable requirements of 40 CFR Part 63.788. Such records shall be maintained on site for a period of no less than five years and be made available to the district or federal EPA upon request.
9. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content.
10. The combined control and capture efficiency of the regenerative thermal oxidizer for Primeline # 2 shall average at least 95% on an hourly basis by weight during operation.
11. The post-control VOC emissions from the primer line process described above (including primeline 1 and 2) shall not exceed 191.4 lbs per day and 19.4 tons in any consecutive 12-month period.
12. Each calendar month the permittee shall calculate the following:
 - a. the total monthly VOC emissions from the primer line process described above by the end of the following calendar month, and;
 - b. the total VOC emissions for the preceding consecutive 12-month period.
13. Both regenerative thermal oxidizers for the primer line process described above shall be tested annually for compliance at the expense of the permittee to determine the volatile organic compound (VOC) emissions from the process unless notified in writing by the District. The air pollution control device exhaust shall be equipped with test ports and provisions for personnel access (e.g. scaffolding and platforms) for source testing.
14. The temperature of each regenerative thermal oxidizer described above shall be maintained above

1400°F at all times when the associated primer line is operated, or when the primer or mixing equipment is being cleaned or maintained using VOC containing materials.

15. Cleanup of the paint application lines and guns at the primer line shall be performed such that the solvent is discharged within the confines of the primer line paint booth and the resulting VOC emissions are vented to the control device.
16. The air pollution control devices described above shall be operated and maintained in accordance with the manufacturers' instructions, except as otherwise specified by the District. These instructions shall be kept on-site and readily available to the District upon request. The air pollution control device associated with the prime line shall be in operation whenever that primer line is in operation.
17. There shall be no VOC emission leaks along the air pollution equipment transfer path (piping, flanges, valves, blowers, pipe fittings, etc.) which result in concentrations of 500 parts per million or greater by volume measured as propane at a distance of ½ inch (1.3 cm) from the transfer other than non-repeatable, momentary readings.
18. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall receive prior District approval by applying for and obtaining an authority to construct for all such modifications. (Rule 51)
19. Permittee shall maintain records for marine coating operations in accordance with Rule 67.18. The records shall contain, at a minimum, the following information:
 - a. current list of coatings, coating components (bases, catalysts, thinners, etc.), surface preparation materials and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1) coatings shall specify category as per Rule 67.18(D)(1) and 67.18(D)(2) manufacturer name, manufacturer identification, VOC content and mix ratio;
 - 2) coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3) surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification, including VOC content, vapor pressure or boiling point to demonstrate compliance with Rule 67.18;
 - 4) current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(D)(2);
 - b. current Material Safety Data Sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS and manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily usage records from the primer lines, including mix ratios;
 - d. monthly VOC emissions from the primer lines. The permittee shall calculate the total monthly VOC emissions by the end of the following calendar month and shall calculate the total VOC emissions for the preceding consecutive 12-month period; and,
 - e. hourly exhaust temperatures for each thermal oxidizer.
20. All records shall be retained on site for at least five (5) years and made readily available to the District upon request.
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District.
22. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

This Authority to Construct does not authorize operation of the above-specified equipment until written notification has been provided to the District indicating that construction (or modification) has been completed in accordance with this Authority to Construct. Upon submission of this notification, temporary Permit to Operate shall take effect and will remain in effect, unless withdrawn or modified by the District, until the equipment is inspected by the District and a revised temporary permit (Startup Authorization) is issued or a Permit to Operate is granted or denied.

This Authority to Construct shall be posted on or within 25 feet of the above described equipment or maintained readily available at all times on the operating premises.

Upon completion of construction (or modification) in accordance with this Authority to Construct, and prior to commencing operation, the applicant must complete and mail, deliver or email to APCDPermits@sdcounty.ca.gov the enclosed Construction Completion Notice to the District. After mailing, delivering or emailing the notice, the applicant may commence operation of the equipment. Operation must be in compliance with all the conditions of this Authority to Construct and applicable District Rules.

This Authority to Construct does not relieve the holder from obtaining permits or authorizations, which may be required by other governmental agencies. This Authority to Construct is not authority to exceed any applicable emission standard established by this District or any other governmental agency. This authorization is subject to cancellation if any emission standard or condition is violated.

Within 30 days after receipt of this Authority to Construct, the applicant may petition the Hearing Board for a hearing on any conditions imposed herein in accordance with Rule 25.

This Authority to Construct will expire on 5/6/2016 unless an extension is granted in writing.

This is not a Permit to Operate. Please be advised that installation or operation of this process or equipment without written authorization may be a misdemeanor subject to fines and penalties.

If you have any questions regarding this action, please contact me at (858) 586 2713 or via email at Joe.Herzig@sdcounty.ca.gov.



Joe Herzig
Associate Engineer



Sectors: 5, P
Site Record ID: APCD1976-SITE-00145

Application Record ID
APCD2015-APP-004024



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San Diego, CA 92113

AUTHORITY TO CONSTRUCT
EXPIRES: August 20, 2016

After examination of your Application for an Air Pollution Control District (**hereinafter referred to as** "the District") Authority to Construct and Permit to Operate for equipment located at the above location, the District has decided on the following actions:

Authority to Construct is granted pursuant to Rule 20 of the Air Pollution Control District Rules and Regulations for equipment to consist of:

Marine coating primer line operations:

Primeline #1

One (1) Rosler automated priming line-331"W x 78"H x 74"D, Model #RLA 42/6 equipped with driving mechanisms vented through RTF 180 dry filters to a Relox Technik, Model Regenus 2018 VII regenerative thermal oxidizer, ~10,000 CFM, equipped with high temperature limiters, operating interface and temperature recorders.

Primeline #2

One (1) spray paint booth, 10'L X 12'W X 12'H, vented to Relox Technik, Model Regenus 2008 regenerative thermal oxidizer, 4,700 SCFM capacity, equipped with high temperature limiters, operating interface and temperature recorder.

This Authority to Construct is issued with the following conditions:

1. All marine coating operations associated with the primer lines shall only be conducted by the permittee. [Rule 21]
2. All marine coating operations conducted at this stationary marine coating source shall be conducted under a valid stationary permit to operate (PTO). For the purposes of this condition, a stationary marine coating source (SIC 3731) is a piece of land or contiguous pieces of land under common ownership or entitlement to use, where the combined usage of marine coatings is greater than 20 gallons in any consecutive 12-month period or the combined VOC emissions from marine coating operations are greater than 150 pounds in any consecutive 12-month period. Portable equipment shall not supplant or supplement the primary activity of a stationary source as described by the source's Standard Industrial Classification Code (SIC). [Rules 10 and 21]
3. Permittee shall operate the coating operation described above in compliance with all applicable standards of Rule 67.18 Section (D), including surface preparation and cleanup requirements, coating

VOC limits and application equipment cleanup requirements. [Rule 67.18]

4. Marine surface preparation materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 45 mm Hg or less at 20°C (68°F). (Rule 67.18)
5. VOC-containing materials used to clean equipment used in marine coating operations shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.18)
6. If requested by the district or EPA, the applicable test methods listed in Rule 67.18 Section (G) shall be used to determine coating VOC content. [Rule 67.18]
7. Permittee shall operate the marine coating operations described above in compliance with all applicable standards of 40 CFR part 63.783, including coating VOHAP limits and coating handling, transfer, and container requirements. [40 CFR 63 Subpart II]
8. Permittee shall maintain records and make reports for the coating operations described above in accordance with all applicable requirements of 40 CFR Part 63.788. Such records shall be maintained on site for a period of no less than five years and be made available to the district or federal EPA upon request. [40 CFR 63 Subpart II]
9. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
10. The combined control and capture efficiency of the regenerative thermal oxidizer for Primeline # 2 shall average at least 95% on an hourly basis by weight during operation. [Rules 20.2 and 21]
11. The post-control VOC emissions from the primer line process described above (including primeline 1 and 2) shall not exceed 191.4 lbs per day and 19.4 tons in any consecutive 12-month period. [Rules 20.2 and 21]
12. Each calendar month the permittee shall calculate the following:
 - a. the total monthly VOC emissions from the primer line process described above by the end of the following calendar month, and;
 - b. the total VOC emissions for the preceding consecutive 12-month period.[Rules 67.18 and 21]
13. Both regenerative thermal oxidizers for the primer line process described above shall be tested annually for compliance at the expense of the permittee to determine the volatile organic compound (VOC) emissions from the process unless notified in writing by the District. The air pollution control device exhaust shall be equipped with test ports and provisions for personnel access (e.g. scaffolding and

platforms) for source testing. [Rules 67.18 and 21]

14. The temperature of each regenerative thermal oxidizer described above shall be maintained above 1400°F at all times when the associated primer line is operated, or when the primer or mixing equipment is being cleaned or maintained using VOC containing materials. [Rules 67.18 and 21; 40 CFR Part 64]
15. Cleanup of the paint application lines and guns at the primer line shall be performed such that the solvent is discharged within the confines of the primer line paint booth and the resulting VOC emissions are vented to the control device. [Rules 67.18 and 21]
16. The air pollution control devices described above shall be operated and maintained in accordance with the manufacturers' instructions, except as otherwise specified by the District. These instructions shall be kept on-site and readily available to the District upon request. The air pollution control device associated with the prime line shall be in operation whenever that primer line is in operation. [Rules 67.18 and 21]
17. There shall be no VOC emission leaks along the air pollution equipment transfer path (piping, flanges, valves, blowers, pipe fittings, etc.) which result in concentrations of 500 parts per million or greater by volume measured as propane at a distance of ½ inch (1.3 cm) from the transfer other than non-repeatable, momentary readings. [Rules 67.18 and 21]
18. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall receive prior District approval by applying for and obtaining an authority to construct for all such modifications. (Rule 51)
19. Permittee shall maintain records for marine coating operations in accordance with Rule 67.18. The records shall contain, at a minimum, the following information:
 - a. current list of coatings, coating components (bases, catalysts, thinners, etc.), surface preparation materials and equipment cleaning materials in use. Materials shall be identified as follows:
 - 1) coatings shall specify category as per Rule 67.18(D)(1) and 67.18(D)(2) manufacturer name, manufacturer identification, VOC content and mix ratio;
 - 2) coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 - 3) surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification, including VOC content, vapor pressure or boiling point to demonstrate compliance with Rule 67.18;
 - 4) current documentation to demonstrate applicability of any specialty coating category pursuant to Rule 67.18(D)(2);
 - b. current Material Safety Data Sheets (MSDS) or manufacturer's specifications for all materials containing VOCs and/or TACs. MSDS and manufacturer's specifications shall, at minimum, contain the following information: VOC content weight or weight percentage, TAC content weight or weight percentage and material density (weight per volume) or material specific gravity (material density relative to the density of water);
 - c. daily usage records from the primer lines, including mix ratios;
 - d. monthly VOC emissions from the primer lines. The permittee shall calculate the total monthly VOC emissions by the end of the following calendar month and shall calculate the total VOC emissions for the preceding consecutive 12-month period; and,
 - e. hourly exhaust temperatures for each thermal oxidizer.[Rule 67.18; 40 CFR Part 64]
20. All records shall be retained on site for at least five (5) years and made readily available to the District upon request. [Regulation XIV]
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

22. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

This Authority to Construct does not authorize operation of the above-specified equipment until written notification has been provided to the District indicating that construction (or modification) has been completed in accordance with this Authority to Construct. Upon submission of this notification, temporary Permit to Operate shall take effect and will remain in effect, unless withdrawn or modified by the District, until the equipment is inspected by the District and a revised temporary permit (Startup Authorization) is issued or a Permit to Operate is granted or denied.

This Authority to Construct shall be posted on or within 25 feet of the above described equipment or maintained readily available at all times on the operating premises.

Upon completion of construction (or modification) in accordance with this Authority to Construct, and prior to commencing operation, the applicant must complete and mail, deliver or email to APCDPermits@sdcounty.ca.gov the enclosed Construction Completion Notice to the District. After mailing, delivering or emailing the notice, the applicant may commence operation of the equipment. Operation must be in compliance with all the conditions of this Authority to Construct and applicable District Rules.

This Authority to Construct does not relieve the holder from obtaining permits or authorizations, which may be required by other governmental agencies. This Authority to Construct is not authority to exceed any applicable emission standard established by this District or any other governmental agency. This authorization is subject to cancellation if any emission standard or condition is violated.

Within 30 days after receipt of this Authority to Construct, the applicant may petition the Hearing Board for a hearing on any conditions imposed herein in accordance with Rule 25.

This Authority to Construct will expire on 8/20/2016 unless an extension is granted in writing.

This is not a Permit to Operate. Please be advised that installation or operation of this process or equipment without written authorization may be a misdemeanor subject to fines and penalties.

If you have any questions regarding this action, please contact me at (858) 586 2713 or via email at Joe.Herzig@sdcounty.ca.gov.

Joe Herzig
Associate Engineer

CC: Compliance Division



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
 10124 OLD GROVE ROAD, SAN DIEGO, CA 92131
 (858) 586-2600 FAX (858) 586-2601
 www.sdapcd.org

Application Record ID
 APCD2015-APP-004025

Sectors: 5, P
Site Record ID: APCD1976-SITE-00145

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AUTHORITY TO CONSTRUCT
EXPIRES: September 15, 2016

After examination of your Application for an Air Pollution Control District (**hereinafter referred to as "the District"**) Authority to Construct and Permit to Operate for equipment located at the above location, the District has decided on the following actions:

Authority to Construct is granted pursuant to Rule 20 of the Air Pollution Control District Rules and Regulations for equipment to consist of:

Abrasive Blast Equipment - Primeline No. 1: Rosler Roller-Conveyor Blast Cleaning Machine RRB 42/6 S/N TBD. Controlled by reverse air baghouse, Rosler RF 200/24 P/s-HP, S/N TBD, with 24 Nordic Air Filtration A/S model 138FH synthetic cellulose filter cartridges with minimum 99.9% control efficiency for PM10 (or equivalent filters)

This Authority to Construct is issued with the following conditions:

1. Permittee shall comply with Rule 52 (PM emissions not to exceed 0.10 gr/dscf). [Rule 52]
2. All process and storage equipment with air pollution control equipment shall be maintained and operated so that there is no leakage (0% opacity during operation and free of accumulated dust when not in operation) of air contaminants to the atmosphere prior to their treatment in the air pollution control system.
3. The Air Pollution Control device shall be maintained in good operating condition and shall be in operation whenever the equipment described above is in operation. [Rule 1200]
4. The abrasive use for blasting and recycling shall be limited to steel shot. [17 CCR 92500]
5. All containers used to store material rejected by the recycling process line or used to store material captured in the dust collector shall be kept enclosed or shrouded at all times except when being emptied into other containers. [Rules 50, 52, 1200]
6. A differential pressure gauge shall be installed across the filter media and maintained in good working order at all times to measure the pressure drop across the filters. The pressure drop across the filter media shall be maintained between 1 and 6 inches of water. Readings from the differential pressure gauge shall be recorded in a logbook each day of equipment use. [Rule 1200; Rule 21]

7. Permittee shall perform the following monitoring at least once every six months and maintain records of the results: 1) visually inspect the dust collector system to verify it is in good working order. 2) observe the dust collector exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions. [Rule 21]
8. A log of all inspections, repairs, malfunctions and breakdowns of the dust collector shall be maintained on site for the above equipment. [Rule 21]
9. All replacement filters used in the dust collector described by this permit must have a minimum guaranteed control efficiency of 99.9%. The owner or operator must maintain records provided by the manufacturer demonstrating the control efficiency of any such replacement filters. This condition does not relieve the owner or operator from submitting an application and obtaining an authority to construct prior to replacement if required. [Rules 10 and 11]
10. All records required by this permit shall be kept for a minimum of three years and made available to District personnel upon request. [Rule 21]
11. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]
12. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
13. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

This Authority to Construct does not authorize operation of the above-specified equipment until written notification has been provided to the District indicating that construction (or modification) has been completed in accordance with this Authority to Construct. Upon submission of this notification, temporary Permit to Operate shall take effect and will remain in effect, unless withdrawn or modified by the District, until the equipment is inspected by the District and a revised temporary permit (Startup Authorization) is issued or a Permit to Operate is granted or denied.

This Authority to Construct shall be posted on or within 25 feet of the above described equipment or maintained readily available at all times on the operating premises.

Upon completion of construction (or modification) in accordance with this Authority to Construct, and prior to commencing operation, the applicant must complete and mail, deliver or email to APCDPermits@sdcounty.ca.gov the enclosed Construction Completion Notice to the District. After mailing, delivering or emailing the notice, the applicant may commence operation of the equipment. Operation must be in compliance with all the conditions of this Authority to Construct and applicable District Rules.

This Authority to Construct does not relieve the holder from obtaining permits or authorizations, which may be required by other governmental agencies. This Authority to Construct is not authority to exceed any applicable emission standard established by this District or any other governmental agency. This authorization is subject to cancellation if any emission standard or condition is violated.

Within 30 days after receipt of this Authority to Construct, the applicant may petition the Hearing Board for a hearing on any conditions imposed herein in accordance with Rule 25.

This Authority to Construct will expire on 09/15/2016 unless an extension is granted in writing.

This is not a Permit to Operate. Please be advised that installation or operation of this process or equipment without written authorization may be a misdemeanor subject to fines and penalties.

If you have any questions regarding this action, please contact me at (858) 586 2728 or via email at Nicholas.Horres@sdcounty.ca.gov.

A handwritten signature in black ink, appearing to read 'Nicholas Horres', with a long horizontal flourish extending to the right.

Nicholas Horres
Associate Engineer

APPENDIX B: RULE REFERENCE TABLE

Rule Citation ¹	RULE TITLE	A/R ²	District Adoption Date ³	SIP FR Approval Date
	REGULATION I - GENERAL PROVISIONS			
1	Title	F	04/30/80	09/28/81
2	Definitions	F	11/04/09	09/17/10
4	Review of Rules	F	01/01/70 [†]	09/22/72
5	Authority to Arrest	F	03/24/76 [†]	05/11/77
	REGULATION II - PERMITS			
10	Permits Required	F	07/25/95	03/11/98
10.1 ^{††}	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	D/F	09/20/78	07/06/82
12	Registration of Specified Equipment	D	11/15/00	N/A
12.1	Portable Equipment Registration	D	05/21/97	N/A
14	Applications	F	04/30/80	09/28/81
15	Permit Process - Public Notifications	D/F	09/18/90	Pending
17	Cancellation of Applications	F	04/06/93	03/11/98
18	Action on Applications	F	01/17/72	09/22/72
18	Action on Applications	D/F	09/18/90	Pending
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1 ^{††}	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	01/12/79	09/28/81
19.3	Emission Information	F	5/15/96	03/09/00
20	Standards for Granting Permits	D/F	04/25/89	Pending
20.1	Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements	F	07/05/79	04/14/81
20.1	NSR - General Provisions	D/F	12/17/98	Pending
20.2	Standards for Authority to Construct - Best Available Air Pollution Control Technology	F	07/05/79	04/14/81
20.2	NSR - Non-major Stationary Sources	D/F	12/17/98	Pending
20.3	Standards for Authority to Construct - Air Quality Analysis	F	07/05/09	04/14/81
20.3	NSR - Major Stationary Source and PSD Stationary Source	D/F	12/17/98	Pending
20.4	Standards for Authority to Construct - Major Stationary Sources	F	07/05/09	04/14/81
20.4	NSR - Portable Emission Units	D/F	12/17/98	Pending
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate Air Quality Analysis	D/F	12/14/87	Pending
20.8	Special Offset Requirement Relating to Banking	D	2/16/83	N/A
21	Permit Conditions	F	11/29/94	03/11/98
22	Denial of Applications	D/F	01/01/69 [†]	N/A

23	Further Information	D/F	01/01/69 [†]	N/A
24	Temporary Permit to Operate	F	03/20/96	10/24/08
25	Appeals	F	01/01/69 [†]	09/22/72
25	Appeals	D/F	06/21/00	Pending
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D/F	10/22/97	Pending
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.2	Use of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.5	Transfer of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.6	District Banking of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.7	Shutdown and Related Emission Unit	D/F	10/22/97	Pending
26.8	Banking of Limited Emission Reductions	D/F	10/22/97	Pending
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D/F	10/22/97	Pending
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D/F	10/22/97	Pending
27	Banking of Mobile Source Emission Reduction Credits	D/F	11/29/94	Pending
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09
	REGULATIONS III - FEES			
40	Permit Fees	D	01/01/12	N/A
42	Hearing Board Fees	D	07/01/00	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
	REGULATIONS IV - PROHIBITIONS			
50	Visible Emissions	F	08/13/97	12/7/98
50.1 ^{††}	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69 [†]	09/22/72
52	Particulate Matter	F	01/22/97	12/9/98
52.1 ^{††}	NSPS & NESHAPS Particular Matter Requirements	D	11/08/76	N/A
53	Specific Contaminants	F	01/22/97	12/9/98
53.1	Scavenger Plants	F	01/01/69 [†]	09/22/72
53.2 ^{††}	NSPS & NESHAPS Specific Contaminants Requirements	D	11/08/76	N/A
54	Dusts and Fumes	F	01/22/97	12/9/98
54.1	NSPS & NESHAP Dust and Fumes Requirement	D	11/08/76	N/A
58	Incinerator Burning	F	01/17/73 [†]	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	N/A
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00
60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	04/04/12	N/A
61.0	Definitions Pertaining to the Storage & Handling of Organic Compounds	F	10/16/90	09/13/93

61.1	Receiving & Storing Volatile Organic Compounds at Bulk Plants & Bulk Terminals	F	01/10/95	08/08/95
61.2	Transfer of Volatile Organic Compounds into Mobile Transport Tanks	F	07/26/00	08/26/03
61.3	Transfer of Volatile Organic Compounds into Stationary Storage Tanks	F	10/16/90	06/30/93
61.3.1	Transfer of Gasoline into Stationary Underground Storage Tanks	D	03/01/06	Pending
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	F	10/16/90	05/13/93
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	D/F	03/26/08	Pending
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks	D	03/01/06	N/A
61.5	Visible Emission Standards for Vapor Control Systems	F	09/20/78 [†]	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1 ^{††}	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	08/21/81	07/06/82
66	Organic Solvents	F	07/25/95	Repealed
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	08/09/12
67.0	Architectural Coatings	F	12/12/01	Withdrawn
67.0.1	Architectural Coatings	D/F	06/24/15	Pending
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	04/09/03	11/14/03
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	11/09/11	09/20/12
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	5/23/07	10/13/09
67.6.2	Vapor Degreasing Operations	F	5/23/07	10/13/09
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	F	06/27/12	04/11/13
67.11.1	Large Coating Operations for Wood Products	F	09/25/02	06/05/03
67.12	Polyester Resin Operations	F	05/15/96	03/27/97
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/09/12	09/20/12
67.17	Storage of Materials Containing Volatile Organic Compounds	F	05/15/96	03/27/97
67.18	Marine Coating Operations	F	05/15/96	03/27/97
67.19	Coating and Printing Inks Manufacturing Operations	F	05/15/96	05/26/00
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A

67.21	Adhesive Material Application Operations	D	11/14/08	N/A
67.22	Expandable Polystyrene Foam Products Manufacturing Operations	D	05/15/96	N/A
67.24	Bakery Ovens	F	05/15/96	03/27/97
68	Fuel-Burning Equipment – Oxides of Nitrogen	F	09/20/94	04/09/96
68.1††	NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment	D	11/08/76	N/A
69	Electrical Generating Steam Boilers, Replacement Units & New Units	D	12/12/95	N/A
69.2	Industrial & Commercial Boilers, Process Heaters & Steam Generators	F	09/27/94	02/09/96
69.2.1	Small Boilers, Process Heaters and Steam Generators	D	03/25/09	N/A
69.3	Stationary Gas Turbine Engines	F	09/27/94	06/17/97
69.3	Stationary Gas Turbine Engines – RACT	D/F	12/16/98	Pending
69.3.1	Stationary Gas Turbine Engines – BARCT	D	02/24/10	N/A
69.4	Stationary Internal Combustion Engines	F	07/30/03	01/04/06
69.4	Stationary Internal Combustion Engines – RACT	D/F	07/30/03	2/25/04
69.4.1	Stationary Internal Combustion Engines - BARCT	D	11/15/00	N/A
69.5	Natural Gas-Fired Water Heaters	D	01/01/99	N/A
69.5.1	Natural Gas-Fired Water Heaters	D	06/24/15	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
70	Orchard Heaters	F	01/17/72	09/22/72
71	Abrasive Blasting	F	03/30/77	08/31/78
	REGULATION V - PROCEDURES BEFORE THE HEARING BOARD			
75	Procedure Before the Hearing Board	D/F	09/17/85	Pending
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	7/30/79
97	Emergency Variance	D/F	07/25/95	Pending
98	Breakdown Conditions: Emergency Variance	D	07/25/95	Withdrawn
	REGULATION VI - BURNING CONTROL			
101	Burning Control	F	09/25/02	04/30/03
	REGULATION VII - VALIDITY AND EFFECTIVE DATE			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72
	REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN			
126	Applicability	F	05/25/77	08/31/78
127	Episode Criteria Levels	F	09/17/91	03/18/99
128	Episode Declaration	F	09/17/91	03/18/99
129	Episode Termination	F	05/25/77	08/31/78
130	Episode Actions	F	09/17/91	03/18/99
131	Stationary Source Curtailment Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	F	04/01/81	06/21/82

132	Traffic Abatement Plan	D/F	12/17/97	Pending
133	Schools	F	05/25/77	08/31/78
134	Source Inspection	F	04/01/81	06/21/82
135	Air Monitoring Stations	F	05/25/77	08/31/78
136	Interdistrict and Interbasin Coordination	F	05/25/77	08/31/78
137	Emergency Action Committee	F	05/25/77	08/31/78
138	Procedures and Plans	F	05/25/77	08/31/78
	APPENDIX A - Persons to be Notified on Episode Declaration	F		
REGULATION IX - PUBLIC RECORDS				
175	General	F	05/22/74 [†]	05/11/77
176	Information Supplied to District	F	05/22/74 [†]	05/11/77
177	Inspection of Public Records	F	03/30/77	08/31/78
177	Inspection of Public Records	D/F	06/20/01	Pending
REGULATION XII - TOXIC AIR CONTAMINANTS				
1200	Toxic Air Contaminants - New Source Review	D	06/12/96	N/A
1202	Hexavalent Chromium - Cooling Towers	D	07/25/95	N/A
1203	Ethylene Oxide Sterilizers and Aerators	D	07/26/00	N/A
1205	Control of Dioxins Emissions from Medical Waste Incinerators	D	01/01/94	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	06/12/96	N/A

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REGULATION XIV - TITLE V OPERATING PERMITS				
1401	General Provisions	F	02/27/04	02/27/04
1410	Permit Required	F	02/27/04	02/27/04
1411	Exemption from Permit to Operate for Insignificant Units	F	03/07/95	11/30/01
1412	Federal Acid Rain Program Requirements	F	01/18/94	11/30/01
1413	Early Reduction of Hazardous Air Pollutants	F	03/07/95	11/30/01
1414	Applications	F	03/07/95	11/30/01
1415	Permit Process-Public Notification	F	02/27/04	02/27/04
1417	Pendency & Cancellation of Applications	F	03/07/95	11/30/01
1418	Action on Applications	F	02/27/04	11/30/01
1419	Provisions of Sampling & Testing Facilities & Emission Information	F	03/07/95	11/30/01
1420	Standards for Granting Permits	F	03/07/95	11/30/01
1421	Permit Conditions	F	02/27/04	02/27/04
1422	Denial or Cancellation Of Applications	F	03/07/95	11/30/01
1423	Further Information	F	01/18/94	11/30/01
1424	Applications Deemed Denied	F	01/18/94	11/30/01
1425	Appeals & Judicial Review	F	02/27/04	02/27/04
	APPENDIX A - Insignificant Units	F	02/27/04	11/30/01
	REGULATION XV - FEDERAL CONFORMITY			
1501	Conformity of General Federal Actions	F	06/22/99	04/23/99

The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. For all other NSPS and NESHAP, the versions cited in the CFR are the federally applicable requirements.

Subpart & Citation	RULE TITLE	District Adoption Date	Federal Delegation Date
Part 60 REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES			
A	General Provisions	Unknown 11/03/92	11/08/76
E	Standards of Performance for Incinerators	Unknown	03/30/77
I	Standards of Performance for Asphalt Concrete Plants	Unknown 01/13/87	11/08/76
L	Standards of Performance for Secondary Lead Smelters	Unknown	11/08/76
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	Unknown 09/17/85*	03/30/77
O	Standards of Performance for Sewage Treatment Plants	01/13/87	09/17/87
DD	Standards of Performance for Grain Elevators	Unknown	05/24/82
EE	Standards of Performance for Surface Coating Metal Furniture	03/04/86 11/03/92	03/19/87
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	08/24/83	12/22/83
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	09/17/86 11/03/92	03/19/87
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	02/22/84 11/03/92*	04/24/84
TT	Standards of Performance for Metal Coil Surface Coating	02/22/84 11/03/92*	04/24/84
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	03/14/89	07/18/89
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	09/17/86	03/19/87
JJJ	Standards of Performance for Petroleum Dry Cleaners	12/15/87	07/18/89
Part 61 REGULATION XI- NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)			
A	General Provisions	01/13/87	05/24/82
C	National Emission Standard for Beryllium	Unknown	11/08/76
D	National Emission Standard for Beryllium Rocket Motor Firing	Unknown	11/08/76
E	National Emission Standard for Mercury	03/27/90	05/17/91
F	National Emission Standard for Vinyl Chloride	08/17/77 06/16/78	11/21/77
M	National Emission Standard for Asbestos	06/04/85 02/01/95	07/18/89

The following ATCM and NESHAP have not been adopted by the District, but are being implemented and enforced by the District as ATCM's.

Subpart & Citation	RULE TITLE	A/R	Most Recent Adoption Date
DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)			
17 CCR § 93102	Hexavalent Chromium ATCM for Chrome Plating & Chromic Acid Anodizing Operations	D/F	12/7/06
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations	F	01/25/07
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying	D	09/30/05
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations	D	07/26/01
17 CCR § 93106	Asbestos ATCM for Surface Applications	D	07/20/00
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting	D	01/14/93
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities	D	04/27/00
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings	D	09/20/01
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning	D	02/03/03
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines	D	05/19/11
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines	D	02/19/11
DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES			
Part 63			
A	General Provisions	F	05/16/07
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	F	04/20/06
O	Ethylene Oxide Sterilization Facilities	F	12/28/07
R	Gasoline Distribution	F	01/24/11
T	Halogenated Solvent Cleaning	F	09/08/00
DD	Off-site Waste & Recovery Operations	F	07/20/99
GG	Aerospace Manufacturing and Rework Facilities	F	12/08/00
II	Shipbuilding and Ship Repair (Surface Coating)	F	12/15/95
JJ	Wood Furniture Manufacturing Operations	F	12/28/98
VVV	Publicly Owned Treatment Works	F	10/21/02
AAAA	Municipal Solid Waste Landfills	F	01/16/03
EEEE	Organic Liquids Distribution (non-gasoline)	F	07/17/08
MMM	Surface Coating of Miscellaneous Metal Parts and Products	F	04/26/04
PPPP	Plastic Parts (surface coating)	F	04/24/07
SSSS	Surface Coating of Metal Coil	F	03/17/03
VVVV	Boat Manufacturing	F	08/22/01
WWWW	Reinforced Plastic Composites Production	F	8/25/05

YYYY	Stationary Combustion Turbines	F	08/18/04
ZZZZ	Stationary Reciprocating Internal Combustion Engines	F	03/09/11
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	F	05/18/11
GGGGG	Site Remediation	F	11/29/06
HHHHH	Miscellaneous Coating Manufacturing	F	10/04/06
PPPPP	Engine Test Cells/Stands	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07
BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	F	01/24/11
CCCCCC	Gasoline Dispensing Facilities	F	01/24/11
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	F	01/09/08
JJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
QQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWW	Plating and Polishing Operations Area Sources	F	07/01/08
XXXXXX	Metal Fabrication and Finishing Area Sources	F	7/23/08
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources	F	12/02/09
CCCCCCC	Paint and Allied Products Manufacture Area Sources	F	12/03/09

2.

The following NSPS have been adopted by the District by reference. The rules listed below are the CFR versions of these rules which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
Part 60	DISTRICT RULES AND REGULATIONS APPENDIX C - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)			
D	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	10/17/00 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	06/11/01 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Db	Standards of Performance for Industrial-Commercial - Institutional Steam Generating Units	10/01/01 01/28/09	04/25/01 06/24/09	01/03/08 Pending
Dc	Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units	05/08/96 01/28/09	08/13/97 06/24/09	06/24/98 Pending
GG	Standards of Performance for Stationary Gas Turbines	06/27/89 02/24/06	10/17/01 02/25/09	01/03/08 Pending
K	Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	10/17/00	06/20/07	01/03/08
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction after May 18, 1978	12/14/00	06/20/07	01/03/08
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	10/15/03	06/20/07	01/03/08
AAA	Standards of Performance for New Residential Wood Heaters	06/12/99 10/17/00	04/12/00 N/A	01/03/08 N/A
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	06/09/97 10/17/00	04/28/99 N/A	05/28/02 N/A
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	07/29/93 10/17/00	11/17/99 N/A	05/28/02 N/A
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	09/11/89	05/23/07	01/03/08
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/10/00	08/13/97	06/24/98
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	12/06/00	06/20/07	01/03/08
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	12/01/00	06/20/07	01/03/08
EEEE	Standards of Performance for Other Solid Waste Incineration Units	12/16/05	06/20/07	01/03/08
KKKK	Standards of Performance for Stationary Combustion Turbines	07/06/06	02/25/09	06/01/09

The following NSPS have not been adopted by the District and are not delegated to the District. However, the District has the authority to enforce the NSPS through the Title V program. The rules listed below are the CFR versions of these rules, which are federally applicable requirements.

Subpart & Citation	RULE TITLE	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
Part 60				
III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	01/18/08	N/A	N/A

1. Rule Citations marked with an “††” contain no substantive requirements and are listed for informational purposes only.
2. ‘A/R’ Denotes enforceability of the listed applicable requirement as follows:
 - ‘F’ Denotes a Federal applicable requirement that is federally enforceable and District enforceable.
 - ‘D/F’ Denotes a District applicable requirement which is pending SIP approval. When such a rule receives SIP approval, it supersedes the existing SIP rule and becomes the Federal applicable requirement.
 - ‘D’ Denotes a District only applicable requirement. This may include some state requirements that are enforceable by the District.
3. District adoption dates marked with an “†” are the effective date of the rule, the actual adoption date is uncertain.
4. On September 17, 2010, EPA approved the District’s November, 4, 2009, revision to the table of exempt compounds in Rule 2, which can be administratively amended without Board action to amend the rule.

APPENDIX C: ABBREVIATIONS THAT MAY APPEAR IN THIS PERMIT

APCO	Air Pollution Control Officer
ASTM	American Society for Testing and Methods
BACT	Best Available Control Technology
CAA	federal Clean Air Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
District	San Diego County Air Pollution Control District
EF	Emission Factor
EPA	US Environmental Protection Agency
HAP	Hazardous Air Pollutant
I&M	Inspection and Maintenance
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
[NSR]	New Source Review based condition
NO _x	Oxides of nitrogen
O ₂	Oxygen
OES	Office of Environmental Services
O&M	Operation and maintenance
Pb	Lead
PM	Total Particulate Matter
PM ₁₀	Particulate matter with aerodynamic equivalent diameter of ≤ 10 microns
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SDCAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SO _x	Oxides of sulfur
Title IV	Title IV of the federal Clean Air Act
Title V	Title V of the federal Clean Air Act
VOC	Volatile organic compound

Units of Measure:

dscf	=	Dry standard cubic foot
g	=	grams
gal	=	gallon
gr/dscf	=	Grains per dry standard cubic foot
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
min	=	minute
MM Btu	=	Million British thermal units
psia	=	pounds per square inch, absolute
scf	=	Standard cubic foot
scfm	=	standard cubic feet per minute
yr	=	year