



San Diego County
**Air Pollution
Control District**

10124 Old Grove Rd. San Diego California 92131-1649
(858) 586-2600 Fax (858) 586-2601
www.sdapcd.org

**TITLE V OPERATING PERMIT
APCD2003-TVP-960992**

Issued To:

General Dynamics NASSCO
Site ID # APCD1976-SITE-00145

Site Address:

2798 E Harbor Drive
San Diego, CA 92113
(760) 438-3941

Mailing Address

PO Box 85278, MS 22-A
San Diego, CA 92186

Responsible Official – David Carver, President

Facility Contact – Andrew Aguilar, Manager Environmental Engineering

Permit Information Contact – Brent Anderson, Sr. Environmental Engineer

Issued by the San Diego County Air Pollution Control District on _____, 2026 .

This Title V Operating Permit expires on _____, 2031 .

Signed by: _____, 2026

Mohsen Nazemi, MS, PE.

Date

Chief, Engineering Division

San Diego County Air Pollution Control District

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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
10124 Old Grove Rd
San Diego, CA 92131-1649
(858) 586-2600

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:

<https://www.sdapcd.org/content/sdapcd/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
ECAD Attn: ENF 2-1
75 Hawthorne Street
San Francisco, CA 94105

SECTION I. REGULATION XIV PERMIT REQUIREMENTS

A. ADMINISTRATIVE PERMIT TERMS

1. This Title V Operating Permit expires 5 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 timeframe 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 (5) 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. Records required by this permit shall be considered as being maintained "on-site" if records for the previous 12-month period are available at the stationary source and any additional records are maintained at a location to be specified by the source and made readily available to the District upon request. [Rule 21]
4. 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 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
5. 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 1401-J1 and Form 1401-J2, if applicable, and all indicated attachments, fulfills the requirements of this condition.) [Rule 1421]
6. 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]

7. 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]
8. 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 deviation and 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 Appendices 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 federal enforcement action or enforcement action by the District; 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 from 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(a) 10(b)	Permits Required – (a) Authority to Construct Permits Required – (b) Permit to Operate
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	20.1-20.4	New Source Review
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. II	24	Temporary Permit to Operate
SDCAPCD Reg. II	25	Appeals
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. IV	67.0	Architectural Coatings
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. V	98***	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control
SDCAPCD Reg. VIII	131	Stationary Source Curtailment Plan
SDCAPCD Reg. VIII	132	Traffic Abatement Plan

****Breakdowns/variances are not recognized by EPA and cannot grant relief from federal enforcement of requirements.*

B. GENERAL PROHIBITORY 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	12**	Registered Equipment
SDCAPCD Reg. IV	12.1**	Portable Registered Equipment
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	62	Sulfur Content of Fuels

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SDCAPCD Reg. IV	66.1	Miscellaneous Surface Coating & Other VOC Emitting Processes
SDCAPCD Reg. IV	67.3	Metal Parts Coating
SDCAPCD Reg. IV	67.11	Wood Products Coating
SDCAPCD Reg. IV	67.12.1	Polyester Resin Operations
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOC
SDCAPCD Reg. IV	67.18	Marine Coating Operations
SDCAPCD Reg. IV	67.20.1	Motor Vehicle & Mobile Equipment Coating Operations
SDCAPCD Reg. IV	67.21	Adhesive Material Application Operations
SDCAPCD Reg. IV	69.4.1*	Stationary Reciprocating Internal Combustion Engines
40 CFR Part 60	Subpart A	NSPS General Provisions
40 CFR Part 60	Subpart IIII	Stationary Compression Ignition Combustion Engines
California ATCM	17 CCR 93115**	Stationary Compression Ignition Engines
California ATCM	17 CCR 93116**	Portable Diesel-Fueled Engines
SDCAPCD Reg. XI	40 CFR 63 Subpart A	NESHAP General Provisions
40 CFR Part 63	Subpart II	Shipbuilding for Ship Repair (Surface Coating)
40 CFR Part 63	Subpart ZZZZ	Stationary Reciprocating Internal Combustion Engines
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	Servicing of Other Air Conditioners
SDCAPCD Reg. XII	1200**	Toxic Air Contaminants – New Source Review

**The District has submitted a revised version of Rule 69.4.1 for approval into the SIP which will replace 69.4 which has been repealed by the District. However, because EPA has not acted on this submittal, the current version of Rule 69.4 is still federally enforceable and Rule 69.4.1 is not.*

***Not federally enforceable*

C. PERMIT SHIELDS

None.

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, unless the emission unit permit specifies otherwise. [Rule(s) 53, 62]
2. Before operating any equipment which is listed in Appendix A of this permit in inactive status, the owner or operator must apply to reactivate the permit, receive approval, and apply for (and if necessary receive approval for) the appropriate Title V amendment or modification.

SECTION III. EMISSION UNIT REQUIREMENTS

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. 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. In these cases, both rules shall be enforceable requirements as indicated

in the Rule Reference Table unless a specific permit shield for one or both rules has been granted.

A. DISTRICT PERMITTED EMISSION UNITS

Facility Emission Units (EU) are listed below and attached in Appendix A, including all terms and conditions of such permits, and comprise the emission unit portion of this Title V Operating Permit.

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 emission units, unless specifically exempted by the same Rule or Regulations.

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	62	Sulfur Contents of Fuels
SDCAPCD Reg. IV	69.4.1	Stationary Reciprocating Internal Combustion Engines

C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

The permittee shall comply with the applicable requirements specified in the District Rules and Regulations for any Insignificant Units located at this facility that are listed at District Regulation XIV, Appendix-A

No insignificant units were listed in the permittee's application

SECTION IV. DISTRICT-ONLY PROVISIONS

VARIANCE PROCEDURES

The permittee may seek relief from District enforcement action from District-only provisions 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. [Rule 98]

APPENDIX A-1: DISTRICT PERMITS

Permit Number	Source Category
APCD2010-PTO-000399	Plasma Cutter
APCD2007-PTO-975149	Plasma Cutter
APCD2007-PTO-974936	Plasma Cutter
APCD2007-PTO-977754	Plasma Cutter
APCD2007-PTO-978048	Plasma Cutter
APCD2008-PTO-979491	Plasma Cutter
APCD2008-PTO-984991	Plasma Cutter
APCD2015-PTO-002467	Thermal Oxidizer
APCD2020-PTO-003460	Plasma Cutter
APCD2020-PTO-003461	Plasma Cutter
APCD2023-PTO-004785	Plasma Cutter
APCD2006-PTO-979955	Abrasive Blast Rooms
APCD2006-PTO-979956	Abrasive Blast Rooms
APCD2011-PTO-000802	Abrasive Blast Rooms
APCD2011-PTO-000803	Abrasive Blast Rooms
APCD2009-PTO-860526	Abrasive Blast Rooms
APCD2004-PTO-973122	Abrasive Blast Rooms
APCD2020-PTO-003440	Abrasive Blast Rooms
APCD2020-PTO-003459	Abrasive Blast Rooms
APCD2005-PTO-000610	Abrasive Blasting Pot
APCD2005-PTO-000616	Abrasive Blasting Pot
APCD2013-PTO-001615	Abrasive Blasting Pot
APCD2013-PTO-001617	Abrasive Blasting Pot
APCD2005-PTO-002690	Abrasive Blast pot
APCD2004-PTO-030379	Abrasive Blasting Pot
APCD2004-PTO-040695	Abrasive Blasting, Bulk Storage
APCD2019-PTO-003295	Abrasive Blasting Pot
APCD2022-PTO-004427	Abrasive Blasting Pot
APCD2002-PTO-975892	Adhesive Material Application Station
APCD2004-PTO-900255	Coatings, Gen. Polyester Resin Mfg.
APCD2008-PTO-911437	Coatings, Gen. Wood Products coating
APCD2004-PTO-861053	Metal Parts Coating
APCD2004-PTO-972497	Marine Coating
APCD2004-PTO-911462	Marine Coating
APCD2008-PTO-007657	Marine Coatings
APCD2011-PTO-000878	Marine Coating
APCD2011-PTO-001047	Marine Coating
APCD2011-PTO-001048	Marine Coating
APCD2011-PTO-001049	Marine Coating
APCD2011-PTO-001050	Marine Coating
APCD2008-PTO-900256	Machine Grind Booth Fiberglass Machining
APCD2004-PTO-911128	Solvent Distillation Operation

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Permit Number	Source Category
APCD2008-PTO-975360	Crane Internal Combustion Engine
APCD2008-PTO-975361	Crane Internal Combustion Engine
APCD2010-PTO-000550	Emergency Internal Combustion Engine
APCD2008-PTO-921303	Crane Internal Combustion Engine
APCD2008-PTO-950704	Crane Internal Combustion Engine
APCD2008-PTO-950705	Crane Internal Combustion Engine
APCD2008-PTO-950706	Crane Internal Combustion Engine
APCD2006-PTO-961422	Crane Internal Combustion Engine
APCD2008-PTO-961424	Crane Internal Combustion Engine
APCD2008-PTO-961425	Crane Internal Combustion Engine
APCD2021-PTO-003682	Misc: Sitewide engine, Prime
APCD2022-PTO-004415	Misc: Sitewide engine, Emergency use



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10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2010-PTO-000399


General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 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

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

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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PERMIT ID
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6. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
7. 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]
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. Only mild steel with zinc shall be processed by this plasma cutter. (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.)



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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

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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
 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.)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
PHONE (858) 586-2600 Fax (858) 586-2601
www.sdapcd.org

Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2023-APP-007712

PERMIT ID
APCD2007-PTO-974936


General Dynamics NASSCO
 Manager Environmental Engineering An
 PO BOX 85278 MS 22A
 San Diego CA, 92113

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

PERMIT TO OPERATE

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

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EQUIPMENT OWNER

General Dynamics NASSCO Andrew Aguilar 2798 East Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Open-air plasma cutter and exhaust controls:

ESAB Plasma cutting system
 Model: Suprarex HD 6000 Heavy Duty Gantry shape Cutting Machine;
 Equipped with ESAB Plasma system iSeries 800i;

Sideros Engineering dust collector system
 Downdraft cutting table;
 Two (2) Dust Collectors, Model: ECO 12 CTS DUAL with total of twenty four (24) replacing cartridges filters for a total of 504 square meters of filtering media (5425 ft²) and HEPA filter, with a nominal flow rate of 14400 m³/h (8475 cfm);
 Prefiltration stage with wire mesh filter, EN779 G2;
 Main filtration stage with EN779 F7 equivalent cartridges, with an efficiency of 99.97% on test powders between 0.2 and 2 microns and 90% for less than 1 micron;
 Post filtration with EN1822-1 HEPA H14 filters, with an efficiency of 99.99996 % on test powders from 0.3 microns and 99.995% for particle sizes between 0.05 and 0.3 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 [91A] Miscellaneous

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]



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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]
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.)



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

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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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
 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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2022-APP-007127

PERMIT ID
APCD2007-PTO-978048


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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Plasma Cutter –
 Robot Cutting Cell.
 Manufacturer: Kranendonk, Project: 19072,
 Robot cutting arm:
 Manufacturer: ABB AB, model: IRB 2600, S/N: 2600-117641;
 controlled by a dust collector:
 Manufacturer: Donaldson, Model: DFPRE12SPARK, S/N: 15962679A,
 10,000 m3/h, with two prefilter units with 12 Donaldson Ultra Web AS cartridges providing 348 m2 filter area, and final HEPA filter combined in series to achieve a minimum PM control efficiency of 99.99% at 0.3 micron.

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: APCD2023-CON-002070

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. [Rules 52 and 1200]



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App ID: APCD2022-APP-007127

PERMIT ID
APCD2007-PTO-978048


4. A differential pressure gauge shall be installed across the dust collector and maintained in good working order at all times. 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. The pressure drop across the filter media shall be maintained between 0.5 and 8.0 inches of water. [Rules 52 and 1200]
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. [Rules 52 and 1200]
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. [Rules 52 and 1200]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50 and 1200]
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. Only mild steel with zinc shall be processed by this plasma cutter. (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.)



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

PERMIT ID
APCD2008-PTO-979491

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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
 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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Site ID: APCD1976-SITE-00145
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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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

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APCD2008-PTO-984991


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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Plasma Cutter: Avenger Model 3.6 AVG V1555, S/N 0560943034; 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

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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Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-984991


6. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50]
7. 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]
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. Only mild steel with zinc shall be processed by this plasma cutter. (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.)



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

PERMIT ID
APCD2015-PTO-002467

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, 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)]



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

PERMIT ID
APCD2015-PTO-002467


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)]
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. NO_x 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, NO_x and VOC emissions shall be calculated using emission factors of:
 - a. For natural gas fuel: 61.2 lb NO_x/MMscf and 7.13 lb VOC/MMscf
 - b. For propane fuel: 5.5 lb NO_x/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.]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003460


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EQUIPMENT OWNER

General Dynamics NASSCO 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Plasma Cutter –Panel Cutting Machine. ESAB Telerex S/N:21703319, controlled by a DTZ-24 baghouse, equipped with HEPA filter cartridges rated for a minimum of 99.997% control efficiency for PM10.

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: APCD2020-CON-001618

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 dust collector and maintained in good working order at all times. 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. The pressure drop across the filter media shall be maintained between 50 and 1500 Pa. [Rules 52 and 1200]
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. [Rules 52 and 1200]
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. [Rules 52 and 1200]



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003460


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. [Rules 52 and 1200]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50 and 1200]
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)
8. Filters with a minimum efficiency of 99.997% shall be used for this operation (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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2017-APP-005017

PERMIT ID
APCD2020-PTO-003461

General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Andrew Aguilar
 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 Brent Anderson 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Plasma Cutter –Plate Stripping Machine: ESAB Suprarex S/N: 21703318, controlled by a DTZ-24 baghouse, equipped with HEPA filter cartridges rated for a minimum of 99.997% control efficiency for PM10.

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: APCD2020-CON-001618

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 dust collector and maintained in good working order at all times. 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. The pressure drop across the filter media shall be maintained between 50 and 1500 Pa. [Rules 52 and 1200]
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. [Rules 52 and 1200]
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. [Rules 52 and 1200]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2017-APP-005017

PERMIT ID
APCD2020-PTO-003461


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. [Rules 52 and 1200]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50 and 1200]
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)
8. Filters with a minimum efficiency of 99.997% for PM10 shall be used for this operation (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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2022-APP-007125

PERMIT ID
APCD2023-PTO-004785


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EQUIPMENT ADDRESS
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 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 Brent Anderson 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Plasma Cutter –
 Robot Cutting Cell.
 Manufacturer: Kranendonk, Project: 21058,
 Robot cutting arm:
 Manufacturer: ABB AB, model: IRB 2600, S/N: 2600-117601;
 controlled by a dust collector:
 Manufacturer: Donaldson, Model: DFPRE12SPARKTRAP, S/N: 15962679C,
 10,000 m3/h, with two prefilter units with 12 Donaldson Ultra Web AS cartridges providing 348 m2 filter area, and final HEPA filter combined in series to achieve a minimum PM control efficiency of 99.99% at 0.3 micron.

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: APCD2023-CON-002070

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. [Rules 52 and 1200]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2022-APP-007125

PERMIT ID
APCD2023-PTO-004785


4. A differential pressure gauge shall be installed across the dust collector and maintained in good working order at all times. 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. The pressure drop across the filter media shall be maintained between 0.5 and 8.0 inches of water. [Rules 52 and 1200]
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. [Rules 52 and 1200]
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. [Rules 52 and 1200]
7. There shall be no visible emissions from the exhaust stack of the air pollution control systems. [Rule 50 and 1200]
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. Only mild steel with zinc shall be processed by this plasma cutter. (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.)



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

PERMIT ID
APCD2006-PTO-979955


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EQUIPMENT ADDRESS
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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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.)



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

PERMIT ID
APCD2006-PTO-979956


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EQUIPMENT ADDRESS
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 Andrew Aguilar
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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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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Sectors: 5, P
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2021-APP-006872

PERMIT ID
APCD2011-PTO-000802


General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Andrew Aguilar
 2798 E Harbor Dr
 San Diego CA 92113

PERMIT TO OPERATE

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

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Blast Cell #1: Custom made with four Schmidt dual-chamber blast pots, 48" diameter x 98" height, S/N 48BLX-113,-114,-117,-118; 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 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. [Rule 20.3]
2. This equipment shall be properly maintained and kept in good operating condition at all times. [Rule 20.3]
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. [Rule 20.3]
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. [Rule 20.3]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2021-APP-006872

PERMIT ID
APCD2011-PTO-000802


5. This equipment shall only use steel shot or steel grit abrasive blast material. [Rule 20.3]
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. [Rule 20.3; 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. [Rule 20.3; 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. [Rule 20.3; 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.)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2021-APP-006873

PERMIT ID
APCD2011-PTO-000803


General Dynamics NASSCO
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EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 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

EQUIPMENT DESCRIPTION

Blast Cell #2: custom made with four Schmidt dual-chamber blast pots, 48" diameter x 98" height, S/N 488BLX-111, -112, -115, -116; 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. [Rule 20.3]
2. This equipment shall be properly maintained and kept in good operating condition at all times. [Rule 20.3]
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. [Rule 20.3]
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. [Rule 20.3]



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2021-APP-006873

PERMIT ID
APCD2011-PTO-000803


5. This equipment shall only use steel shot or steel grit abrasive blast material. [Rule 20.3]
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. [Rule 20.3; 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. [Rule 20.3; 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. [Rule 20.3; 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.)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-004025

PERMIT ID
APCD2009-PTO-860526


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 Andrew Aguilar
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PERMIT TO OPERATE

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

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Abrasive Blast Equipment : Primeline No. 1: Rosler Roller-Conveyor Blast Cleaning Machine RRB 42/6 S/N 70448. Controlled by pulse jet bag-house, Rosler RF 200/24 P/s-HP, S/N 70450, with 24 Nordic Air Filtration A/S model 138FH synthetic cellulose filter cartridges with minimum 99.9% control efficiency for PM10 (or equivalent 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 [02A] Abrasive Blasting Cabinet/Room
 BEC: APCD2016-CON-001250

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. 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 50]
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, Rule 1200]
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]



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Site ID: APCD1976-SITE-00145
App ID: APCD2015-APP-004025

PERMIT ID
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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 1.0 and 14.9 millibars. 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:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) 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]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

4. The abrasive used for blasting and recycling shall be limited to steel shot. [17 CCR 92500]
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.]



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

PERMIT ID
APCD2004-PTO-973122


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 Manager Environmental
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 San Diego CA 92113

PERMIT TO OPERATE

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

PERMIT ID
APCD2004-PTO-973122


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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003440


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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Abrasive Blast Equipment – Panel Strip Blasting: Vacu-Blast Remote Blast Machine. Controlled by integrated reverse air baghouse, with filter cartridges with a minimum 99.9% control efficiency for PM10. S/N 17-367-2-1

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: APCD2020-CON-001614

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. 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 50]
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, Rule 1200]
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]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003440


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 0.007 and 0.22 psi. 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:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) 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]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

4. The abrasive used for blasting and recycling shall be limited to steel shot. [17 CCR 92500]
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003459


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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Abrasive Blast Equipment – Abrasive Stiffener Blasting: Cabinet Blasting Machine, Munkt Schmitz, S/N MS1394. Controlled by integrated reverse air baghouse, with filter cartridges with a minimum 99.9% control efficiency for PM10, S/N: 17-705-1-1.

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: APCD2020-CON-001614

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. 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 50]
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, Rule 1200]
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]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2020-PTO-003459


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 0.007 and 0.22 psi. 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:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) 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]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

4. The abrasive used for blasting and recycling shall be limited to steel shot. [17 CCR 92500]
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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; Blast tent structure for confined abrasive blasting.

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]
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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2005-PTO-000610


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]
13. Permittee shall perform the following monitoring at least once every six months and maintain records of the results:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) Observe the dust collector exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions.[Rule 21]
14. 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]
16. 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]
17. 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]
20. 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]
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

15. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [CCR 17]
18. 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]
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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2005-PTO-000610


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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006422

PERMIT ID
APCD2005-PTO-000616


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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Abrasive Blast Machine: Two permanently attached pots, Atlantic Design Inc., Model B6SS, 600-LB capacity each (1200-lb capacity total), S/N 20100104-5, 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; Blast tent structure for confined abrasive blasting.

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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006422

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]
13. Permittee shall perform the following monitoring at least once every six months and maintain records of the results:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) Observe the dust collector exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions.[Rule 21]
14. 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]
16. 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]
17. 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]
19. 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]
20. 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. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [CCR 17]
18. 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]
21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006422

PERMIT ID
APCD2005-PTO-000616


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.)



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

PERMIT ID
APCD2013-PTO-001615


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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

General Dynamics Nassco Brent Anderson PO Box 85278, 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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002507

PERMIT ID
APCD2013-PTO-001615



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.)



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

PERMIT ID
APCD2013-PTO-001617


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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

General Dynamics NASSCO Brent Anderson PO Box 85278, 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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2013-APP-002508

PERMIT ID
APCD2013-PTO-001617


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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006421

PERMIT ID
APCD2005-PTO-002690


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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

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Abrasive Blast Machine: Two permanently attached pots, Atlantic Design Inc., Model B6SS, 600-lb capacity each (1200-lb capacity total), S/N 20100104-6, 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. Blast tent structure for confined abrasive blasting.

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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006421

PERMIT ID
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]
13. Permittee shall perform the following monitoring at least once every six months and maintain records of the results:
 - a) Visually inspect the dust collector system to verify it is in good working order;
 - b) Observe the dust collector exhaust to detect any visible emissions. If any visible emissions are observed, permittee shall take immediate corrective actions.[Rule 21]
14. 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]
19. 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]
20. 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. Applicable requirements of Title 17 of the California Code of Regulations shall be met. [17 CCR]
16. 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]
17. 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]
18. 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]
21. 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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006421

PERMIT ID
APCD2005-PTO-002690


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.)



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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

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

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

PERMIT ID
APCD2004-PTO-030379


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. 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]
18. 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]
19. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
20. 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.)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD1985-APP-040695

PERMIT ID
APCD2004-PTO-040695


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 Environmental Engineering Manager An
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 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
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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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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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2019-PTO-003295


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 Manager, Environmental
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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Abrasive Blast System: Atlantic Design, ADI-2300 BVR Tower, S/N 22300300-11; vented to a dust collector, ranging in size from 5,000 cfm to 20,000 cfm, and equipped with filters meeting the standards of MERV 13 or greater.

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: APCD2019-CON-001544

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

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. [Rule 20.3; Rule 21]
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.
[Rule 50]
5. Filters and other wastes containing dust shall be stored in sealed containers pending disposal. There shall be no open disposal of dust. (Rule 50, 52)
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. This pressure drop shall be maintained between 1.0 inches of water and 9.0 inches of water. The pressure drop shall be recorded each day of equipment use, and upon initial installation with clean filters, and immediately prior to filter replacement.
[Rule 1200, Rule 21]



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7. The filters shall meet a control efficiency standard of MERV 13 or greater. Documentation of the control efficiency of the filters shall be maintained on site and made available to District personnel upon request. [Rule 1200, Rule 21]
8. Visible emissions from this equipment shall not exceed, for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes, emissions which are darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart (20% opacity). [Rule 50]
9. 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]
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

1. The abrasive used for blasting and recycling shall be limited to steel shot and steel grit. [17 CCR 92500]
2. Abrasive blasting equipment shall not be used to remove coatings containing toxics materials regulated by the District's Rule 1200 for Toxic air contaminants. Examples of such materials are nickel, chromium, lead and cadmium.
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.)



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APCD2022-PTO-004427


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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Abrasive Blast System: Atlantic Design, ADI-2300 BVR Tower, S/N 22300300-10; vented to a dust collector, either Torit Model TD6120, or Industrial Vacuum Model Filtaire Model 42 HF33SE2, equipped with filters meeting the standards of MERV 13 or greater.

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: APCD2022-CON-001970

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

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. [Rule 21]
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. [Rule 21]
5. Filters and other wastes containing dust shall be stored in sealed containers pending disposal. There shall be no open disposal of dust. (Rule 50, 52)



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PERMIT ID
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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. This pressure drop shall be maintained between 0.5 inches of water and 8.0 inches of water. The pressure drop shall be recorded each day of equipment use, and upon initial installation with clean filters, and immediately prior to filter replacement.
 [Rule 1200, Rule 21]
7. The filters shall meet a control efficiency standard of MERV 13 or greater. Documentation of the control efficiency of the filters shall be maintained on site and made available to District personnel upon request.
 [Rule 1200, Rule 21]
8. Visible emissions from this equipment shall not exceed, for a period or periods aggregating more than three minutes in any period of 60 consecutive minutes, emissions which are darker in shade than that designated as Number 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or of such opacity as to obscure an observer's view to a degree greater than does smoke of a shade designated as Number 1 on the Ringelmann Chart (20% opacity).
 [Rule 50]
9. 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]
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

1. The abrasive used for blasting and recycling shall be limited to steel shot and steel grit. [17 CCR 92500]
2. Abrasive blasting equipment shall not be used to remove coatings containing toxics materials regulated by the District's Rule 1200 for Toxic air contaminants. Examples of such materials are nickel, chromium, lead and cadmium.
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2002-PTO-975892

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PERMIT TO OPERATE

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EQUIPMENT OWNER

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

ADHESIVE APPLICATION OPERATION, CONSISTING OF: HAND APPLICATION METHODS TO APPLY ADHESIVES.
 975892(ABG)

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 [27U] Adhesive Materials Application Station

BEC: 12218

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Volatile Organic Compound emissions from this adhesive material application operation at this stationary source (ID #253A) shall not exceed 2.82 tons per consecutive 12 month period. Cumulative VOC emissions shall be determined at the beginning of each month for the previous eleven (11) months of operation. (Rule 20.3)
3. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in this adhesive materials application operation shall comply with Rule 67.21 VOC requirements. (Rule 67.21)
4. 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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6. 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)
7. 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.
8. All solvents, materials containing solvents and other materials containing organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements.
9. Permittee shall maintain records in accordance with Rule 67.21. The records shall contain, at minimum, the following information:
 - a. current list of all materials containing VOCs, including all adhesive materials, stripping, surface preparation and cleaning materials. The materials shall be identified as follows:
 - i. the category of adhesive material as specified in Rule 67.21(d), including manufacturer name and identification, VOC content, and mix ratios; and,
 - ii. VOC content, vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with Rule 67.21, for each adhesive bonding agent, stripping, surface preparation and cleaning material;
 - b. daily usage records of all materials used;
 - c. monthly VOC emissions;
 - d. current material safety data sheets (SDS) or manufacturer's specifications for all materials used. SDS and manufacturer's specifications shall, at a 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) for all materials used. (Rules 67.21 and 21)
10. 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)
11. 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 apply for and obtain an Authority to Construct for all such modifications. (Rule 51)
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

2. The permittee shall only apply materials containing chromium, nickel, cadmium, lead, copper, beryllium, manganese, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
5. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)



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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.)



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Site ID: APCD1976-SITE-00145
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PERMIT ID
APCD2004-PTO-900255


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EQUIPMENT OWNER

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 [270] Fiberglass, Plastic or Foam Product Process Line Using Only Polyester Resin
 BEC: 11623

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Polyester resin coating operations shall comply with all applicable VOC and monomer requirements of Rule 67.12.1.
2. The permittee shall only apply polyester resins using manual or other non-atomizing application techniques. (Rule 21, Rule 67.12.1)
3. Permittee shall not apply any gel coat with a monomer content in excess of the following percentages, by weight, as applied:
 - Clear marble gel coat: 40%
 - Clear (non-marble) gel coat: 44%
 - Pigmented gel coat (white and off-white): 30%
 - Pigmented gel coat (other non-white): 37%
 - Primer gel coat: 28%
 - Specialty gel coat: 48% [Rule 67.12.1]



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PERMIT ID
APCD2004-PTO-900255


4. Permittee shall not apply any polyester resin material with a monomer content in excess of the following percentages, by weight, as applied:
Marble Resins: 10% with fillers or 32% without fillers,
Solid Surface Resins: 17%,
Tub/Shower Resins: 24% with fillers or 35% without fillers,
Lamination Resins: 31% with fillers or 35% without fillers,
Fire Retardant Resins: 38%,
Corrosion Resistant Resins 48%,
High Strength Resins: 40%,
Other Resins: 35%. [Rule 67.12.1]
5. Permittee shall not use any vapor suppressed resin unless the weight loss from the VOC emissions from the material used are less than 50 grams per square meter of exposed surface area during polymerization. [Rule 67.12.1]
6. Surface preparation and solvent cleaning materials shall have a VOC content of 25 grams per liter (0.21 lbs/gal) of material, or less as used. (Rule 67.12.1)
8. VOC containing materials used for cleaning of application equipment shall meet the following:
 - a. VOC content of the cleaning material is 25 grams per liter (0.21 lbs/gal) of material, or less as used; or
 - b. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation into the atmosphere; or
 - c. 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 material is being added, provided the cleaned equipment parts are drained to the container until dripping ceases; or
 - d. a system is used that total encloses the component parts being clean during washing, rinsing and draining.(Rule 67.12.1)
9. 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)
10. All dry sanding, grinding and cutting operations of polyester resin products shall be inside a controlled enclosure or using a controlled process. For marine vessel repair operations, this requirement shall apply only for sanding, grinding or cutting operations conducted on the exterior of a vessel hull. (Rule 67.12.1)
11. The permittee shall maintain records for the polyester resin operation in accordance with Rule 67.12.1. The records shall include the following information:
 1. current list of each polyester resin material, surface preparation and cleaning material in use. This list shall provide the data necessary to evaluate compliance, including but not limited to:
 - a. manufacturer's name, identification, and material specifications for each polyester resin material, surface preparation and cleaning material used.
 - b. monomer content percent for polyester resin materials, by weight, as applied; the VOC content of any catalysts, fillers, and/or diluents, including thinners; the application method; and the applicable category of each resin or gel coat.
 - c. manufacturer's information for vapor suppressed resins on the weight loss from the VOC emissions during resin polymerization.
 - d. VOC content for surface preparation and cleaning materials expressed in grams per liter (lbs/gal) of material, as used.
 2. Material safety data sheet (MSDS) or manufacturer information for all materials used. The MSDS or manufacturer information shall include the manufacturer name and identification, VOC and TAC content, material density (weight per volume) or material specific gravity (material density relative to the density of water) for each material in use; and,
 3. Daily usage records of all material containing VOC and TACs, including the actual mix ratios for each material. (Rule 67.12.1)
12. 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).
13. 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)



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PERMIT ID
APCD2004-PTO-900255


14. 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 apply for and obtain an Authority to Construct for all such modifications. (Rule 51)
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

7. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)
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.)



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PERMIT ID
APCD2008-PTO-911437


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EQUIPMENT OWNER

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. 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. [Rule 20.3]
5. Emissions of volatile organic compounds (VOC) from this equipment shall not exceed 5 tons in any 12 consecutive months. (Rule 20.3)
6. Maximum usage of wood coatings shall not exceed 500 gallons in every consecutive twelve (12) month period. [Rule 20.3]



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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)
8. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
9. The following conditions shall be applicable to wood coating operations. (Rule 67.11)
10. Except as provided in Rule 67.11(b)(1) and (b)(3), all wood coatings used in this operation shall comply with the VOC content limits of 67.11(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
11. 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)
12. All VOC-containing materials used for surface preparation shall contain 25 grams or less of VOC per liter of material. (Rule 67.11)
13. 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)
14. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
15. 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)
16. 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)
17. 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)
18. 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)
19. The following conditions shall be applicable for adhesive materials applications. (Rule 67.21)
20. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in these adhesives materials application operation shall comply with Rule 67.21 VOC requirements. (Rule 67.21)



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21. 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.
22. 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)
23. 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)



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24. 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)
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

- 2. Permittee shall not use materials containing hexavalent chromium, nickel, cadmium, lead, copper, beryllium, manganese, or arsenic in the above operation. (Rule 1200)
- 3. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (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.)



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PERMIT ID
APCD2004-PTO-861053


General Dynamics NASSCO
 Environmental Engineering Manager An
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EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
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 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

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. 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 apply for and obtain an Authority to Construct for all such modifications. (Rule 51)
2. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. 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. (Rule 67.20.1/67.3/67.11)
5. Permittee shall operate any coating application equipment subject to Rule 67.3(d)(1)(vii) and 67.20.1(d)(3)(vii) in accordance with written District approval for the application equipment. (Rule 67.3, Rule 67.20.1)



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6. The permittee shall only use non-atomizing application technology including but not limited to brushes, rollers, flow coating, dip coating, touch up markers or marking pens when applying materials containing trivalent chromium, nickel, beryllium, manganese, or arsenic. (Rule 1200 & NESHAP HHHHHH)
7. 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)
8. 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)
9. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
10. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
11. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 shall not contain more than 340 grams of VOC per liter for air dried coatings and not more than 275 grams of VOC per liter for baked coatings. Baked coatings shall be defined as any coating which is cured or dried in an oven where the oven air temperature exceeds 90 deg C (194 deg F). (Rule 67.3)
12. Metal surface preparation and clean-up 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 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
13. Any cleaning of coating application equipment in the metal coating operation shall comply with at least 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)
14. 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).
17. Except as provided in Rule 67.20.1(b)(1) and (b)(3), all automotive coatings used in this operation shall comply with the VOC content limits of 67.20.1(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.



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18. When conducting any operations subject to Rule 67.20.1, permittee shall not use any material for surface preparation or any other surface cleaning unless its VOC content is 25 grams or less per liter of material (0.21 lbs/gal), as applied. This VOC content limitation shall not apply to any cleaning material used for the removal of dust, wax, grease, tar, or bugs provided that:
 - a. the VOC content of cleaning material does not exceed 780 grams per liter (6.5 lbs/gal), and
 - b. the cleaning material is applied by non-aerosol, hand-held spray container, and
 - c. not more than 20 gallons per calendar year of such cleaning material are used at the stationary source. (Rule 67.20.1)
19. Any cleaning of coating application equipment, used in operations subject to Rule 67.20.1, shall comply with one of the following requirements:
 - a. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and 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
 - b. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining process shall be used; or
 - c. the cleaning material shall not contain any exempt compounds and the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings. (Rule 67.20.1)
20. Permittee shall maintain the following records in accordance with Rule 67.20.1 (for motor vehicle coating operations) and Rule 67.3 (for metal parts and products coating operations). 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 but not limited to all coatings, coating component for multi-component coatings (such as bases, catalysts, thinners or reducers, when supplied in separate containers), 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 Rules 67.3 and 67.20.1;
 3. mix ratio, when applicable;
 4. VOC content (actual and regulatory, as applied) for all materials containing VOC;
 - b. Vapor pressure and/or boiling point of materials used for surface preparation, equipment cleaning, and stripping, when necessary, to demonstrate compliance with each prohibitory rule;
 - e. Current manufacturer specification sheets, safety data sheets (SDS), 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, 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 usage of materials containing VOCs for each substrate (i.e. metal and motor vehicle or mobile equipment). If monthly records are maintained, the number of operating days per calendar month shall be recorded;
 - g. Type of application equipment used; and,
 - h. If applicable, all District approval documentation for alternative coating application equipment;
 - i. Records of actual and maximum oven drying temperatures, if applicable;
 - j. If claiming an exemption from a VOC content requirement of 67.3 or 67.20.1, the applicable exemption and records such as quantity used to substantiate the exemption.
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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B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

3. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)
15. The permittee shall not use or possess hexavalent chromium (chromium VI) or cadmium pigmented coatings in any motor vehicle or mobile equipment refinishing operation. [Title 17 CCR, Section 93112 - Hexavalent chromium and Cadmium Air Toxic Control Measure - Motor Vehicle and Mobile Refinishing Coatings.]
16. The permittee shall not use lead pigmented coatings in any motor vehicle or mobile equipment refinishing operation. (Rule 1200)
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.)



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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

General Dynamics NASSCO Brent Anderson PO Box 85278, San Diego, CA 92113

EQUIPMENT DESCRIPTION

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.

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 [27A] Marine Coating
 2 [92Q] VOC Source Test

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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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. The permittee shall conduct all handling and transfer of VOC-containing materials and HAP-containing waste to and from containers, tanks, vats, drums, and piping system in a manner to minimize spills. (40 CFR 63 Subpart II)
4. All containers, tanks, vats, drums, and piping systems used to store VOC-containing materials and HAP-containing waste shall be maintained free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. All materials containing volatile organic compounds shall be stored in such containers. (40 CFR 63 Subpart II, Rule 67.17)
5. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
6. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
7. 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)
8. 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)
9. 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)
10. 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]
11. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
12. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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PHONE (858) 586-2600 Fax (858) 586-2601
www.sdapcd.org

Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2004-PTO-972497


13. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
14. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
15. 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]
16. 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]
17. 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)
18. 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)
19. 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]
20. 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]
21. 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)
22. 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]
23. 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)



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24. 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. daily and 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;
 - e. hourly exhaust temperatures for each thermal oxidizer;
 - f. records of all inspections, repairs, malfunctions and breakdowns;
 - g. If claiming an exemption from a VOC content requirement of 67.18 or 40 CFR 63 Subpart II, the applicable exemption and records such as quantity used to substantiate the exemption; and,
 - h. For marine coatings subject to 40 CFR 63 Subpart II, Certification of the as-supplied VOC content of each batch of coating by the Manufacturer or Owner/Operator. [Rule 67.18, Rule 21, 40 CFR 63 Subpart II, 40 CFR Part 64]
25. 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]
26. 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

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

EQUIPMENT DESCRIPTION

PORTABLE MARINE COATING OPERATIONS, CONSISTING OF: HIGH-VOLUME LOW-PRESSURE (HVLP), CONVENTIONAL AIR-ATOMIZED, AIR-LESS PAINT SPRAY GUNS, BRUSH AND ROLLER APPLICATORS, CONDUCTED AT VARIOUS LOCATIONS IN SAN DIEGO COUNTY FOR COATING OF SHIPS, BOATS AND COMPONENT PARTS AND STRUCTURES INTENDED FOR EXPOSURE TO MARINE ENVIRONMENT.

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 [27A] Marine Coating
 BEC: 0735X

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Maximum emissions of volatile organic compounds (VOC) from the above portable marine coating operation shall not exceed 3,000 pounds per day and 24.9 tons for each consecutive 12-month period. (Rule 20.3)
2. Permittee shall calculate each calendar month the total VOC emissions from this permitted equipment by the end of the following calendar month and shall calculate the total VOC emissions for the preceding consecutive 12-month period. If maintaining monthly usage records, the Permittee shall also record number of operating days in that calendar month to calculate daily VOC emissions. (Rule 20.3)
3. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.



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4. 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)
5. 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)
6. 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)
7. 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]
8. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
9. The permittee shall conduct all handling and transfer of VOC-containing materials and HAP-containing waste to and from containers, tanks, vats, drums, and piping system in a manner to minimize spills. (40 CFR 63 Subpart II)
10. All containers, tanks, vats, drums, and piping systems used to store VOC-containing materials and HAP-containing waste shall be maintained free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. All materials containing volatile organic compounds shall be stored in such containers. (40 CFR 63 Subpart II, Rule 67.17)
11. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
12. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
13. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)



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14. 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)
15. 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 or monthly usage records from the operation, including mix ratios, and operating days per month if keeping monthly records;
 - d. daily and monthly VOC emissions from the operation. 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;
 - e. If claiming an exemption from a VOC content requirement of 67.18 or 40 CFR 63 Subpart II, the applicable exemption and records such as quantity used to substantiate the exemption;
 - f. For marine coatings subject to 40 CFR 63 Subpart II which are used with thinners, all information necessary to substantiate compliance with the applicable VOC standard of that rule; and,
 - g. For marine coatings subject to 40 CFR 63 Subpart II, Certification of the as-supplied VOC content of each batch of coating. [Rule 67.18, Rule 21, 40 CFR 63 Subpart II, 40 CFR Part 64]
16. All records required by this permit shall be kept in a central location 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

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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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

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 [27A] Marine Coating
 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. The permittee shall conduct all handling and transfer of VOC-containing materials and HAP-containing waste to and from containers, tanks, vats, drums, and piping system in a manner to minimize spills. (40 CFR 63 Subpart II)



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4. All containers, tanks, vats, drums, and piping systems used to store VOC-containing materials and HAP-containing waste shall be maintained free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. All materials containing volatile organic compounds shall be stored in such containers. (40 CFR 63 Subpart II, Rule 67.17)
5. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
6. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
7. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
8. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
9. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
10. 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)
11. 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)
12. 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)
13. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]



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14. 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]
15. 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)
16. 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)
17. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
18. 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);
 - c. monthly usage records for each coating, coating component, cleaning and surface preparation material;
 - d. If claiming an exemption from a VOC content requirement of 67.18 or 40 CFR 63 Subpart II, the applicable exemption and records such as quantity used to substantiate the exemption; and,
 - e. For marine coatings subject to 40 CFR 63 Subpart II, Certification of the as-supplied VOC content of each batch of coating by the Manufacturer or Owner/Operator. [Rule 67.18, Rule 21, 40 CFR 63 Subpart II, 40 CFR Part 64]
19. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
20. 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]
21. 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]
22. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
23. Contractors shall comply with all conditions in this Permit to Operate. (Rule 21)



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24. 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)
25. 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)
26. 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

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

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: 0.33 [92Q] VOC Source Test
 1 [27A] Marine Coating

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).



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2. 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)
3. 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)
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
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. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
14. 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)
15. 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)
16. 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)



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17. 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)
 19. 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)
 20. 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)
 21. 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)
 22. 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. each cell shall be tested at least once every three calendar years;
 - b. at least one paint cell shall be tested, without a failed test, in each calendar year;
 - c. In the event a source test fails while testing any paint cell, that paint cell must be retested for compliance and must also be tested in the following calendar year unless otherwise approved in writing by the District;
 - d. In the event that the regenerative thermal oxidizer or associated rotary zeolite wheel concentrator is replaced, that paint cell must be tested post installation within 180 calendar days. This condition does not relieve the owner or operator of the requirement to notify the District or file an application if required by District Rule 10.
- The District may request a change to the proposed schedule of which units to test if determined not to be representative of operations. (Rules 20.3 and 1200)
23. 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)
 24. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
 25. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
 26. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
 27. 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)
 28. 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)



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29. 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)
30. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
31. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 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 67.3)
32. 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)
33. VOC-containing materials used to clean application equipment for 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 degrees C (374 degrees F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20 degrees C (68 degrees 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 67.3)
34. 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]
35. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
36. 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)
37. 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)



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38. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
39. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
40. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
41. 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)
42. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
43. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rules 67.3 and 67.18)
44. 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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45. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
46. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
47. 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)
48. 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]
49. 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)
18. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
50. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
51. 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 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 OWNER

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: 0.33 [92Q] VOC Source Test
 1 [27A] Marine Coating

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).



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2. 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)
3. 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)
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
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. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
14. 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)
15. 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)
16. 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)



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17. 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)
 19. 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)
 20. 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)
 21. 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)
 22. 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. each cell shall be tested at least once every three calendar years;
 - b. at least one paint cell shall be tested, without a failed test, in each calendar year;
 - c. In the event a source test fails while testing any paint cell, that paint cell must be retested for compliance and must also be tested in the following calendar year unless otherwise approved in writing by the District;
 - d. In the event that the regenerative thermal oxidizer or associated rotary zeolite wheel concentrator is replaced, that paint cell must be tested post installation within 180 calendar days. This condition does not relieve the owner or operator of the requirement to notify the District or file an application if required by District Rule 10.
- The District may request a change to the proposed schedule of which units to test if determined not to be representative of operations. (Rules 20.3 and 1200)
23. 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)
 24. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
 25. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
 26. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
 27. 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)
 28. 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)



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29. 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)
30. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
31. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 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 67.3)
32. 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)
33. VOC-containing materials used to clean application equipment for 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 degrees C (374 degrees F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20 degrees C (68 degrees 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 67.3)
34. 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]
35. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
36. 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)
37. 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)



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38. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
39. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
40. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
41. 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)
42. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
43. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rules 67.3 and 67.18)
44. 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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- 45. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
- 46. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
- 47. 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)
- 48. 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]
- 49. 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)
- 18. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
- 50. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 51. 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
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 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

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: 0.33 [92Q] VOC Source Test
 1 [27A] Marine Coating

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).



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2. 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)
3. 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)
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
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. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
14. 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)
15. 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)
16. 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)



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17. 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)
 19. 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)
 20. 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)
 21. 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)
 22. 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. each cell shall be tested at least once every three calendar years;
 - b. at least one paint cell shall be tested, without a failed test, in each calendar year;
 - c. In the event a source test fails while testing any paint cell, that paint cell must be retested for compliance and must also be tested in the following calendar year unless otherwise approved in writing by the District;
 - d. In the event that the regenerative thermal oxidizer or associated rotary zeolite wheel concentrator is replaced, that paint cell must be tested post installation within 180 calendar days. This condition does not relieve the owner or operator of the requirement to notify the District or file an application if required by District Rule 10.
- The District may request a change to the proposed schedule of which units to test if determined not to be representative of operations. (Rules 20.3 and 1200)
23. 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)
 24. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
 25. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
 26. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
 27. 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)
 28. 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)



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29. 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)
30. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
31. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 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 67.3)
32. VOC containing materials used for surface preparation in metal coating operations shall meet one of the following requirements:
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 - 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)
33. VOC-containing materials used to clean application equipment for 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 degrees C (374 degrees F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20 degrees C (68 degrees F); or
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 - 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 67.3)
34. 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]
35. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
36. 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)
37. 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)



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38. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
39. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
40. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
41. 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)
42. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
43. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rules 67.3 and 67.18)
44. 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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- 45. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
- 46. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
- 47. 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)
- 48. 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]
- 49. 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)
- 18. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
- 50. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 51. 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 ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 2798 E Harbor Dr
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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

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: 0.33 [92Q] VOC Source Test
 1 [27A] Marine Coating

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).



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2. 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)
3. 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)
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
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. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
14. 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)
15. 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)
16. 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)



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17. 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)
 19. 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)
 20. 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)
 21. 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)
 22. 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. each cell shall be tested at least once every three calendar years;
 - b. at least one paint cell shall be tested, without a failed test, in each calendar year;
 - c. In the event a source test fails while testing any paint cell, that paint cell must be retested for compliance and must also be tested in the following calendar year unless otherwise approved in writing by the District;
 - d. In the event that the regenerative thermal oxidizer or associated rotary zeolite wheel concentrator is replaced, that paint cell must be tested post installation within 180 calendar days. This condition does not relieve the owner or operator of the requirement to notify the District or file an application if required by District Rule 10.
- The District may request a change to the proposed schedule of which units to test if determined not to be representative of operations. (Rules 20.3 and 1200)
23. 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)
 24. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
 25. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
 26. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
 27. 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)
 28. 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)



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29. 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)
30. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
31. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 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 67.3)
32. 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)
33. VOC-containing materials used to clean application equipment for 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 degrees C (374 degrees F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20 degrees C (68 degrees 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 67.3)
34. 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]
35. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
36. 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)
37. 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)



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38. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
39. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
40. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
41. 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)
42. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
43. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rules 67.3 and 67.18)
44. 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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 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)
48. 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]
49. 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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50. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
51. 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 OWNER

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: 0.33 [92Q] VOC Source Test
 1 [27A] Marine Coating

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).



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2. 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)
3. 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)
4. 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)
5. 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)
6. 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)
7. 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)
8. 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)
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. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rules 21 and 20.3)
14. 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)
15. 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)
16. 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)



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17. 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)
 19. 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)
 20. 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)
 21. 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)
 22. 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. each cell shall be tested at least once every three calendar years;
 - b. at least one paint cell shall be tested, without a failed test, in each calendar year;
 - c. In the event a source test fails while testing any paint cell, that paint cell must be retested for compliance and must also be tested in the following calendar year unless otherwise approved in writing by the District;
 - d. In the event that the regenerative thermal oxidizer or associated rotary zeolite wheel concentrator is replaced, that paint cell must be tested post installation within 180 calendar days. This condition does not relieve the owner or operator of the requirement to notify the District or file an application if required by District Rule 10.
- The District may request a change to the proposed schedule of which units to test if determined not to be representative of operations. (Rules 20.3 and 1200)
23. 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)
 24. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
 25. All marine coatings used in this operation shall comply with the Volatile Organic HAP content limits of 40 CFR 63 Subpart II (Marine Coating) and with the VOC content limits of 67.18(d)(1) and (d)(2), except as provided in 40 CFR 63 Subpart II 63.781 and Rule 67.18(b). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
 26. The Permittee shall not add thinning solvents or any other material except water to marine coatings. All marine coating containers shall have a clear and legible label affixed to the containers prohibiting the addition of thinning solvents or use an equivalent notification method approved by the District in writing. (Rule 21)
 27. 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)
 28. 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)



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29. 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)
30. Except as provided in Rule 67.3(b)(1) and (b)(3), all metal coatings used in this operation shall comply with the VOC content limits of 67.3(d)(2) and (d)(3). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
31. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 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 67.3)
32. 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)
33. VOC-containing materials used to clean application equipment for 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 degrees C (374 degrees F); or
 - c. The total VOC vapor pressure is 20 mm Hg or less at 20 degrees C (68 degrees 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 67.3)
34. 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]
35. The applicable test methods listed in 40 CFR Part 63.786 shall be used to determine coating VOHAP content. [40 CFR 63 Subpart II]
36. 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)
37. 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)



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38. For the purposes of marine coating operations, exempt compounds, as defined in District Rule 2 that are also defined as Hazardous Air Pollutants (HAP) by EPA must be included in determining compliance with any VOC limits for marine coatings in this permit (Rule 67.18 and 40 CFR 63 Subpart II).
39. On a semiannual basis, the Permittee shall provide all records required by this permit for marine coating activities to the District and EPA, except for Certification of the as-supplied VOC content of each batch of coating are not required to be reported. In addition, the Permittee shall report to District and EPA whether containers used in conjunction with marine coating activities met the standards stated in this permit. (Rule 67.18, 40 CFR 63 Subpart II)
40. For marine coating operations, maintain and semi-annually report the following: a summary of the number, magnitude, duration, and cause of deviations during the reporting period, the cause of violation, identification of data availability achieved during the reporting period, identification of the compliance status as of the last day of the reporting period and whether compliance was continuous or intermittent, also record and semi-annually report the reason for each deviation, and a description of the corrective action taken for each deviation, including action taken to minimize each deviation and action taken to prevent recurrence. (40 CFR 63 Subpart II)
41. 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)
42. Permittee shall maintain all records required by this permit including for at least five (5) years from their date of creation. (Rule 1421)
43. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rules 67.3 and 67.18)
44. 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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- 45. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. (Rule 21)
- 46. Contractors shall comply with all conditions in this permit to operate. (Rule 21)
- 47. 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)
- 48. 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]
- 49. 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)
- 18. Permittee shall not use coatings containing chlorinated solvents in the cells described above. (Rule 1200)
- 50. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
- 51. 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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App ID: APCD2023-APP-007714

PERMIT ID
APCD2008-PTO-900256


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EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 2798 E Harbor Dr
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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

Fiber glass machining facility: Various hand and motor tools; plastic shrouding of the work area (adjustable room) with a filtered ventilation system:
 Manufacturer: Donaldson Torit
 Model: DFO101
 SN: 2230857
 Dust collector HEPA vacuum #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 [36A] Grinding Booth or Room
 BEC: 1490T

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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. [Rule 20.3]
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. [Rule 20.3]
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. [Rule 20.3]
5. The glass fiber machining room shall be vacuumed daily. [Rule 20.3]



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6. Before the enclosure is moved, the interior of the enclosure shall be vacuumed using a brush attachment. [Rule 20.3]
7. Measures shall be taken to prevent carrying out of dust from the enclosure. [Rule 50]
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. [Rule 20.3, Rule 21]
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. [Rule 20.3, 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). [Rule 20.3]
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. [Rule 20.3]
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. [Rule 52]
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. [Rule 20.3]
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.)



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Sectors: 5, P
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App ID: APCD2020-APP-006308

PERMIT ID
APCD2004-PTO-911128

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EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
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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

SOLVENT DISTILLATION OPERATION: ONE (1) FINISH THOMPSON INC MODEL LS-55II 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. Serial number: 12771 D03

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. [Rule 20.3]
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. [Rule 20.3]
3. 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 apply for and obtain an Authority to Construct for all such modifications. (Rule 51)
4. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)



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5. 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. [Rule 20.3]
6. All liquid transfer lines, piping, and associated fittings shall be maintained in a leak tight condition. [Rule 20.3]
7. 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. [Rule 20.3]
8. 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]
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

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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2025-RRP-990003

PERMIT ID
APCD2008-PTO-975360


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PERMIT TO OPERATE

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

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EQUIPMENT OWNER

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 [34E] Dredging or Crane Engines
 1 [92I] Ammonia Source Test
 1 [92M] Mass Emissions Test (FF)
 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.
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.
 [Rule 1200, Rule 20.3]
3. 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.
 [Rule 1200, Rule 20.3]



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4. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
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)
7. 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. [Rule 1200, Rule 20.3]
8. 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. [Rule 1200, Rule 20.3]
9. 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 1200, Rule 20.3]
10. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen.
[Rule 1200, Rule 20.3]
14. 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 21, Rule 69.4.1)
16. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
2) Inspect and clean air filters, replacing as necessary; and
3) Inspect all hoses and belts, replacing as necessary.
Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 21, Rule 69.4.1)
18. 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 69.4.1, Rule 1200, Rule 20.3]
19. 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]
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]



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B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

11. 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)
12. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
13. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [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]
17. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
20. Crane engines 15 and 16 shall each be replaced with one, or a combination of engines, which complies with one of the following requirements:
 - a. Emissions of diesel particulate matter shall not exceed 0.0075 g/bhp-hr; or,
 - b. Emissions of diesel particulate matter shall not exceed 0.017 lb/hr; or,
 - c. An alternative emission level demonstrated to be equivalent to the above emission rates.The replacement for the first crane shall be completed no later than October 31, 2027, and the second crane no later than December 2028. Compliance with this limit shall be demonstrated based on EPA certification data, source test results, or other supporting data approved in writing by the District. (Rule 1210)
21. The owner or operator shall maintain records for the replacement engine(s) sufficient to demonstrate that it complies with the diesel particulate matter emission limit described in this permit.
22. The owner or operator shall reduce health impacts from facility wide operations to less than the following levels no later than March 19 2031, unless the owner or operator has applied for and obtained in writing an extension in accordance with Rule 1210(e)(4) or (5), in which case the deadline shall be as stated in the extension approval:
 - a. Acute Health Hazard Index at all offsite receptors: 1.0
 - b. Excess Incremental Cancer Risk: 10 in one million
23. No later than March 19, 2027 and annually thereafter, the owner or operator shall provide a progress report to the District on status of engine replacement. The progress report shall include the expected date of replacement, and an explanation of any delay in replacement of the engine. This report may be included with the annual public notification plan required by Rule 1210 or emission inventory report updates required pursuant to Section 44344 of the California Health and Safety Code. This requirement no longer applies once the engine has been replaced with one meeting the requirements of this permit.



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24. In the event that the annual progress report described in this permit submitted for the fourth year of implementation of the Risk Reduction Plan does not demonstrate that the facility will be able to reduce health impacts below the levels specified in this permit within the stated deadline, the annual progress report shall include an application to revise the Risk Reduction Audit and Plan, including information demonstrating that the facility will comply with the requirements in Rule 1210(e) to be eligible for a 3-year extension.
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.)



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PERMIT TO OPERATE

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EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEX1030.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 [92M] Mass Emissions Test (FF)
 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.
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.
 [Rule 1200, Rule 20.3]
3. 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.
 [Rule 1200, Rule 20.3]



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4. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
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)
7. 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. [Rule 1200, Rule 20.3]
8. 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. [Rule 1200, Rule 20.3]
9. 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 1200, Rule 20.3]
10. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen.
[Rule 1200, Rule 20.3]
14. 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 21, Rule 69.4.1)
16. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
2) Inspect and clean air filters, replacing as necessary; and
3) Inspect all hoses and belts, replacing as necessary.
Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 21, Rule 69.4.1)
18. 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 69.4.1, Rule 1200, Rule 20.3]
19. 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]
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]



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B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

11. 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)
12. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District. [Rule 69.4.1]
13. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [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]
17. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
20. Crane engines 15 and 16 shall each be replaced with one, or a combination of engines, which complies with one of the following requirements:
 - a. Emissions of diesel particulate matter shall not exceed 0.0075 g/bhp-hr; or,
 - b. Emissions of diesel particulate matter shall not exceed 0.017 lb/hr; or,
 - c. An alternative emission level demonstrated to be equivalent to the above emission rates.The replacement for the first crane shall be completed no later than October 31, 2027, and the second crane no later than December 2028. Compliance with this limit shall be demonstrated based on EPA certification data, source test results, or other supporting data approved in writing by the District. (Rule 1210)
21. The owner or operator shall maintain records for the replacement engine(s) sufficient to demonstrate that it complies with the diesel particulate matter emission limit described in this permit.
22. The owner or operator shall reduce health impacts from facility wide operations to less than the following levels no later than March 19, 2031, unless the owner or operator has applied for and obtained in writing an extension in accordance with Rule 1210(e)(4) or (5), in which case the deadline shall be as stated in the extension approval:
 - a. Acute Health Hazard Index at all offsite receptors: 1.0
 - b. Excess Incremental Cancer Risk: 10 in one million
23. No later than March 19, 2027 and annually thereafter, the owner or operator shall provide a progress report to the District on status of engine replacement. The progress report shall include the expected date of replacement, and an explanation of any delay in replacement of the engine. This report may be included with the annual public notification plan required by Rule 1210 or emission inventory report updates required pursuant to Section 44344 of the California Health and Safety Code. This requirement no longer applies once the engine has been replaced with one meeting the requirements of this permit.



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24. In the event that the annual progress report described in this permit submitted for the fourth year of implementation of the Risk Reduction Plan does not demonstrate that the facility will be able to reduce health impacts below the levels specified in this permit within the stated deadline, the annual progress report shall include an application to revise the Risk Reduction Audit and Plan, including information demonstrating that the facility will comply with the requirements in Rule 1210(e) to be eligible for a 3-year extension.
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2010-PTO-000550


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PERMIT TO OPERATE

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EQUIPMENT OWNER

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: APCD2020-CON-001647

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

3. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. (17 CCR 93115, Rule 1200, Rule 20.3)
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)
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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12. 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)
13. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
 - (a) dates and elapsed times of every instance of engine operation based on actual readings of the engine hour meter; whether the operation was for maintenance and testing purposes or emergency use; and the nature of the emergency;
 - (b) if located within 500 feet of a school, the time of day of every instance of engine operation for testing and maintenance, unless the engine emits no more than 0.01 g/bhp-hr of diesel particulate matter or meets the requirements specified in 17CCR, Section 93115.13(f);
 - (c) for a total external power outage, documentation from the serving utility of an outage in the area where the engine is located; for an internal power outage, a description of what caused the failure and receipts and/or work orders for the necessary repairs; for a partial external power outage, including a low-voltage or electrical transient incident in which the external power voltage is low enough to trigger the operation of an emergency standby engine, a description of the incident;
 - (d) total cumulative hours of operation per calendar year;
 - (e) records of annual engine maintenance shall include the date the maintenance was performed and the nature of the maintenance; and
 - (f) 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)
14. 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)
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

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.
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)
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)



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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)
11. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.
- Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 12, Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)
16. 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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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2009-APP-000712

PERMIT ID
APCD2008-PTO-921303


General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 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

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 [34E] Dredging or Crane Engines
 1 [92I] Ammonia Source Test
 1 [92M] Mass Emissions Test (FF)
 1 [92F] NOx and CO 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.
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.
 [Rule 1200, Rule 20.3]
3. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
4. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)



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5. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
7. 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.
[Rule 1200, Rule 20.3]
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.
[Rule 1200, Rule 20.3]
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. [Rule 1200, Rule 20.3]
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 1200, Rule 20.3]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen. [Rule 1200, Rule 20.3]
13. 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 21, Rule 69.4.1)
15. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 21, Rule 69.4.1)
18. 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 69.4.1, Rule 1200, Rule 20.3]
19. 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]
20. 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

6. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
12. 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 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)
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]
16. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
17. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [Rule 69.4.1]
21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950704


General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
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 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Environmental Engineer Gabriela
 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

EQUIPMENT DESCRIPTION

Prime Diesel Engine Generator:
 Make: Caterpillar,
 Model: C13,
 S/N: NF300690,
 Maximum Horsepower Rating: 567 bhp,
 EPA Certification: Tier 4 Final, Engine Family PCPXL12.5HTF;
 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 [34E] Dredging or Crane Engines
 BEC: APCD2023-CON-002039

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.
2. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
3. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
4. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
5. Fuel consumption for this engine shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption and a total cumulative fuel consumption per calendar year shall be maintained on the premises. [Rule 1200, Rule 20.3]



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App ID: APCD2020-APP-006308

PERMIT ID
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6. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:

- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
- 2) Inspect and clean air filters, replacing as necessary; and
- 3) Inspect all hoses and belts, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(Rule 21, Rule 69.4.1)

10. All records required by this permit shall be kept for a minimum of 60 months from their date of creation unless otherwise indicated by the conditions of this permit. These records shall be maintained onsite for a minimum of 36 months from their date of creation. The remaining 24 months of records may be retained off site. Records kept off site shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 1421, Rules 69.4.1, 17 CCR 93115].

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]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. The owner or operator of this engine shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. (Rule 69.4.1)

8. 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;
- c. records of periodic inspections, including the date the inspection was performed; and
- d. records of annual engine maintenance, including the date the maintenance was performed and the nature of the maintenance.

These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1)(17 CCR 93116)

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 69.4.1, 17 CCR 93115]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950704



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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950705


General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Andrew Aguilar
 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 Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Prime Diesel Engine Generator:
 Make: Caterpillar,
 Model: C13,
 S/N: NF300625,
 Maximum Horsepower Rating: 567 bhp,
 EPA Certification: Tier 4 Final, Engine Family NCPXL12.5HTF;
 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 [34E] Dredging or Crane Engines
 BEC: APCD2023-CON-002039

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.
2. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
3. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
4. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
5. Fuel consumption for this engine shall not exceed 262,400 gallons per calendar year. A daily log of fuel consumption and a total cumulative fuel consumption per calendar year shall be maintained on the premises. [Rule 1200, Rule 20.3]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950705


6. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:

- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
- 2) Inspect and clean air filters, replacing as necessary; and
- 3) Inspect all hoses and belts, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(Rule 21, Rule 69.4.1)

10. All records required by this permit shall be kept for a minimum of 60 months from their date of creation unless otherwise indicated by the conditions of this permit. These records shall be maintained onsite for a minimum of 36 months from their date of creation. The remaining 24 months of records may be retained off site. Records kept off site shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 1421, Rules 69.4.1, 17 CCR 93115].

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]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. The owner or operator of this engine shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. (Rule 69.4.1)

8. 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;
- c. records of periodic inspections, including the date the inspection was performed; and
- d. records of annual engine maintenance, including the date the maintenance was performed and the nature of the maintenance.

These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1)(17 CCR 93116)

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 69.4.1, 17 CCR 93115]



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950705



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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950706


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EQUIPMENT ADDRESS
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 Environmental Engineer Gabriela
 2798 E Harbor Dr
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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

Crane Engine: Cummins, Model QST30-G1 NR1, 1030 bhp, diesel fired, turbocharged, aftercooled, Engine Family No. 1CEX1030.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 [34E] Dredging or Crane Engines
 1 [92I] Ammonia Source Test
 1 [92M] Mass Emissions Test (FF)
 1 [92F] NOx and CO 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.
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. [Rule 1200, Rule 20.3]
3. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
4. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
5. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)



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Site ID: APCD1976-SITE-00145
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PERMIT ID
APCD2008-PTO-950706


7. 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.
[Rule 1200, Rule 20.3]
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.
[Rule 1200, Rule 20.3]
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. [Rule 1200, Rule 20.3]
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 1200, Rule 20.3]
11. The emissions of ammonia from the exhaust of this equipment shall not exceed 10 ppmvd corrected to 15 percent oxygen.
[Rule 1200, Rule 20.3]
13. 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 21, Rule 69.4.1)
15. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
2) Inspect and clean air filters, replacing as necessary; and
3) Inspect all hoses and belts, replacing as necessary.
Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 21, Rule 69.4.1)
18. 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 69.4.1, Rule 1200, Rule 20.3]
19. 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]
20. 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]



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-950706


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

6. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
12. 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 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)
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]
16. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
17. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [Rule 69.4.1]
21. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006282

PERMIT ID
APCD2006-PTO-961422

General Dynamics NASSCO
 Manager Environmental Engineering An
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EQUIPMENT ADDRESS
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 Manager Environmental
 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

Crane #8: Caterpillar, Model C-15, 563 BHP, diesel fired, turbocharged, aftercooled, S/N FSE02164, Engine Family No. 8CPXL15.2ESW, vented to a DCL Mine-X Sootfilter 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.
2. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
3. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
4. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)
7. 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. [Rule 1200, Rule 20.3]
15. 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 21, Rule 69.4.1)



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17. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:

- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
- 2) Inspect and clean air filters, replacing as necessary; and
- 3) Inspect all hoses and belts, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(Rule 21, Rule 69.4.1)

18. 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]
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

5. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [Rule 69.4.1]
6. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]
8. 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]
9. 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]
10. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]
11. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
12. Permittee shall monitor all operating parameters recommended by the engine manufacturer.
[Rule 69.4.1]



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13. 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)
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]
16. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
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.)



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Sectors: 5, P
Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-961424


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 General Dynamics NASSCO
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 2798 E Harbor Dr
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PERMIT TO OPERATE

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EQUIPMENT OWNER

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.
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.
3. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
4. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
5. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)



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17. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:

- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
- 2) Inspect and clean air filters, replacing as necessary; and
- 3) Inspect all hoses and belts, replacing as necessary.

Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

(Rule 21, Rule 69.4.1)

18. 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 21, Rule 69.4.1)

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

6. A daily log indication of fuel consumption of the engine shall be maintained on the premises.
[Rule 69.4.1]

7. 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 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)

8. 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]

9. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]

10. 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]

11. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]



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12. 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)
13. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
14. Permittee shall monitor all operating parameters recommended by the engine manufacturer.
[Rule 69.4.1]
15. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
16. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [Rule 69.4.1]
19. 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]
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.)



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PERMIT TO OPERATE

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EQUIPMENT OWNER

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.
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.
3. This engine shall only use CARB diesel fuel. (Rule 62, Rule 69.4.1)
4. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
5. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)



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PERMIT ID
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17. The owner or operator of this engine shall conduct periodic 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 maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.
- Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 21, Rule 69.4.1)
18. 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 21, Rule 69.4.1)
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

6. A daily log indication of fuel consumption of the engine shall be maintained on the premises.
[Rule 69.4.1]
7. 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 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)
8. 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]
9. Emissions of diesel particulate matter shall not exceed 0.01 grams per brake horsepower-hour (g/bhp hr). [17CCR 93115]
10. 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]
11. The engine must be immediately shutdown and corrective action shall be taken when the high backpressure limit is reached. [17CCR 93115]



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Site ID: APCD1976-SITE-00145
App ID: APCD2020-APP-006308

PERMIT ID
APCD2008-PTO-961425


12. 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)
13. Permittee shall keep a manual of recommended maintenance provided by the manufacturer, or other maintenance procedures as approved in writing by the District.
[Rule 69.4.1]
14. Permittee shall monitor all operating parameters recommended by the engine manufacturer.
[Rule 69.4.1]
15. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
16. The owner or operator of the engine shall maintain records of periodic inspection and maintenance of the engine and control equipment, including dates inspection and maintenance were performed. [Rule 69.4.1]
19. 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]
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.)



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PERMIT ID
APCD2021-PTO-003682


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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

General Dynamics NASSCO 2798 E Harbor Dr, San Diego, CA 92113

EQUIPMENT DESCRIPTION

Engines subject to the California Code of Regulations, 17 CCR 93116 rated at or above 50 bhp and supporting the stationary source.

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: APCD2021-CON-001778

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Conditions 2 through 6 apply to the Permit Holder. [Rule 21]
2. The total annual NOx emissions of equipment subject to this permit shall not exceed 9.38 tons per calendar year (January 1 to December 31). Emissions from PERP operations, as outlined in §2453 (m)(4)(E) of the PERP Regulation, effective November 30, 2018, will not be counted against this limit. [Rules 20.2 and/or 20.3 and/or 1200]
3. The Permit Holder shall ensure that the annual emissions limitations in this permit are not exceeded. Calendar year to date emissions shall be summarized by the permit holder on a frequency that ensures the annual limitations are not exceeded. [Rule 21]



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4. Compliance with the NOx emission limit shall be documented annually as follows:
 - a. by multiplying each engine's rated power (bhp) times the hours of operation during the calendar year (hrs) times an assumed load factor of 0.5 times the highest of the EPA tier certification NOx level for the engine family or alternative NOx emission factor established for the engine family (g/bhp-hr), and converted to tons. For engines whose certification for NOx is presented as "NMHC+ NOx", assume 95% NOx and 5% NMHC, or
 - b. By dividing each engine's annual fuel use by the maximum engine fuel consumption (gal/hr) as stated by the manufacturer or estimated by multiplying the engine rated power (bhp) by a standard conversion factor of 0.054 gal/hr-bhp and calculating emissions according to the same formula as option (a) except using a load factor of 1.0 or,
 - c. The permit holder may utilize an alternative calculation procedure provided that it is approved in advance, in writing, by the District.
[Rules 20.2 and/or 20.3 and/or 1200]
5. All records relied on by the Permit Holder to prepare the annual emission summary shall be maintained on site or 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. The summary of the previous year's emissions shall be available by March 1 of each subsequent year. [Rules 20.2 and/or 20.3 and/or 1200]
6. Operators of equipment subject to this permit, including contractors, shall be provided a copy of this permit by the Permit Holder prior to commencing operations. [Rule 21]
7. Conditions 8 through 16 apply to the owner/operator of the engine. The owner/operator can be the Permit Holder, if engine is owned or operated by the Permit Holder, or the owner/operator can be a contractor (any person not employed by the Permit Holder). [Rule 21]
8. Each engine shall have an original manufacturer label containing the following information: make, model, family number if any, and serial number. [Rules 20.2 and/or 20.3 and/or 1200]
9. The operator shall report usage of equipment covered by this permit to the Permit Holder, in the manner specified in Condition 7 above, quarterly, or at a greater frequency specified by the Permit Holder. Reports will be due to the permit holder within 30 days of the end of the quarter, or other reporting period, as applicable. Permit Holders who also own or operate the engine(s) shall maintain records of each engine's usage as required by Condition 7. [Rule 21]
10. Diesel-fired engines shall use only CARB diesel fuel. Documentation identifying the fuel as CARB diesel shall be provided by engine owner/operator upon request. [Rules 20.2 and/or 20.3 and/or 1200 and/or 17CCR 93116]
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

11. Fleet owners of diesel-fired engines shall comply with all applicable provisions of the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. These requirements include, but are not limited to, complying with fleet provisions, and reporting requirements. [17 CCR 93116]
12. The owner or operator of each diesel-fired engine shall demonstrate compliance with the diesel particulate matter standards of 17CCR 93116.3(b) for each engine by satisfying one of the following requirements:
 - a) The engine shall meet Tier 4 interim or Tier 4 final non-road engine standards; or
 - b) The engine shall be certified to the on-road emission standards pursuant to 40 CFR Part 86, or the equivalent category in Title 13, Cal. Code Regs.; or
 - c) Engines rated between 50 hp and 750 hp shall be flexibility engines manufactured to meet Tier 3 or Tier 4 interim emission standards; or
 - d) Engines rated over 750 hp shall be flexibility engines manufactured to meet Tier 2 or Tier 4 interim emission standards; or
 - e) Tier 1, Tier 2, or Tier 3 engines shall have been operated in the state of California prior to 1/1/2017.All documentation necessary to demonstrate compliance shall be maintained with the engine and provided to the District upon request. If the engine has a valid District or CARB PERP registration, the registration number will satisfy the documentation needed to show compliance with this condition.
[17 CCR 93116]



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13. A non-resettable engine hour meter shall be installed on each engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced while the engine is operating on site, the Air Pollution Control District's Compliance Division shall be notified in writing by the engine owner 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 meter reading on replacement meter
 - c) copy of receipt for the new meter or of the installation work orderA copy of the meter replacement notification shall be maintained onsite and made available to the District upon request. [Rule 69.4.1]
14. The following records shall be maintained for at least the same period of time as the engine to which the records apply is located at the site:

For engines owned by the permit holder or operator, these records shall be maintained on site.
For rented engines, records shall be provided within 5 business days.

 - a. records of periodic inspections, including the date the inspection was performed; and
 - b. records of annual engine maintenance, including the date the maintenance was performed and the nature of the maintenance.These records shall be made available to the Air Pollution Control District upon request. (Rule 69.4.1 and/or 17 CCR 93116)
15. Engine owners or operators shall conduct periodic inspections 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 maintenance procedures. The periodic inspections shall be conducted at least once every 4000 hours of operation, or every six months, whichever occurs first. [Rule 69.4.1]
16. Periodic maintenance of the engine and add-on control equipment, if any, shall be conducted as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary;
 - 3) Inspect all hoses and belts, replacing as necessary; and
 - 4+) Inspect spark plugs, if equipped, replacing as necessary.Documentation of oil and filter changes or copies of the oil test analysis shall be made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. For engines owned by the permit holder or operator the maintenance records shall be maintained on-site. For rental engines, maintenance records shall be provided within 5 business days of request. (Rule 12 and/or Rule 69.4.1 and/or 40 CFR 63 Subpart ZZZZ).
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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General Dynamics NASSCO
 Environmental Engineering Manager An
 PO Box 85278
 Mail Stop 22-A
 San Diego CA, 92113

EQUIPMENT ADDRESS
 General Dynamics NASSCO
 Andrew Aguilar
 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 Brent Anderson PO Box 85278, San Diego, CA 92186

EQUIPMENT DESCRIPTION

Emergency engines subject to the California Code of Regulations, 17 CCR 93116, rated at or above 50 bhp and supporting the stationary source, including engines located on floating dry docks.

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: APCD2022-CON-001955

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Conditions 2 through 7 apply to the permit holder. (Rule 21)
3. The combined maximum brake horsepower (bhp) rating of all emergency engines operating for testing and maintenance during any 60-minute period shall not exceed 2,000 bhp. The maximum bhp rating multiplied by the hours of operation for testing and maintenance for each engine shall be summed for each calendar year. The sum of all such engine operations shall not exceed 486,000 bhp-hours per calendar year. Records shall be maintained for each engine operating under this permit, including the engine make, model, serial number, engine family number, engine rated bhp, the time of day it was operated, and the duration of operation for maintenance or testing. All records, including year-to-date bhp-hours for the previous calendar month shall be summarized by the end of each calendar month. Records shall be maintained onsite and readily available for District review. (Rule 20.3, Rule 1200)
4. Operation for testing and maintenance for each engine shall not exceed 50 hours per calendar year . (Rule 20.3, 1200)



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5. Only tier 4 engines shall be operated under this permit unless the owner or operator has documented that a Tier 4 engine is not available instead of a lower tier engine. Documentation that a Tier 4 engine is unavailable shall include a confirming response from at least three different vendors within 30 days of the projected start date of such non-tier 4 engine. In that case, the next highest tier engine that is available shall be used. For non-tier 4 engines that remain on-site for more than 180 days, a revised response from three vendors shall be maintained for every 180 day period. For engines that are on site before the Startup Authorization is issued, the first 180 day period will begin on the day the Startup Authorization is issued. [Rule 20.3 and/or Rule 1200]
7. Operators of equipment subject to this permit, including contractors, shall be provided a copy of this permit by the Permit Holder prior to commencing operations. [Rule 21]
8. Conditions 9 through 15 apply to the owner/operator of the engine. The owner/operator can be the Permit Holder, if engine is owned or operated by the Permit Holder, or the owner/operator can be a contractor (any person not employed by the Permit Holder). [Rule 21]
9. Each engine shall have an original manufacturer label containing the following information: make, model, family number if any, and serial number. [Rules 20.2 and/or 20.3 and/or 1200]
10. Diesel-fired engines shall use only CARB diesel fuel. Documentation identifying the fuel as CARB diesel shall be provided by engine owner/operator upon request. [Rules 20.2 and/or 20.3 and/or 1200 and/or 17CCR 93116]
15. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
 - (a) dates and elapsed times of every instance of engine operation at this location based on actual readings of the engine hour meter; whether the operation was for maintenance and testing purposes or emergency use; and the nature of the emergency;
 - (b) for a total external power outage, documentation from the serving utility of an outage in the area where the engine is located; for an internal power outage, a description of what caused the failure and receipts and/or work orders for the necessary repairs; for a partial external power outage, including a low-voltage or electrical transient incident in which the external power voltage is low enough to trigger the operation of an emergency standby engine, a description of the incident;
 - (c) total cumulative hours of operation at this location per calendar year;
 - (d) records of annual engine maintenance shall include the date the maintenance was performed and the nature of the maintenance; and
 - (e) hours of operation at this location for all uses other than those specified above and identification of the nature of that use.
 - (f) Start and stop time of each engine's operation for testing and maintenance.
(Rule 69.4.1 and/or Rule 1200)
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

2. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or 17CCR93116 as applicable, or for maintenance and testing.
6. Except during emergency operations, the engine operating locations shall be as presented in Figure 2-2, "Potential Locations of Emergency Engines" submitted as part of the application package for site-wide emergency engines, June 9, 2022. (Rule 1200)



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11. The owner or operator of each diesel-fired engine shall demonstrate compliance with the diesel particulate matter standards of 17CCR 93116.3(b) for each engine by satisfying one of the following requirements:
 - a) The engine shall meet Tier 4 interim or Tier 4 final non-road engine standards; or
 - b) The engine shall be certified to the on-road emission standards pursuant to 40 CFR Part 86, or the equivalent category in Title 13, Cal. Code Regs.; or
 - c) Engines rated between 50 hp and 750 hp shall be flexibility engines manufactured to meet Tier 3 or Tier 4 interim emission standards; or
 - d) Engines rated over 750 hp shall be flexibility engines manufactured to meet Tier 2 or Tier 4 interim emission standards; or
 - e) Tier 1, Tier 2, or Tier 3 engines shall have been operated in the state of California prior to 1/1/2017.All documentation necessary to demonstrate compliance shall be maintained with the engine and provided to the District upon request. If the engine has a valid District or CARB PERP registration, the registration number will satisfy the documentation needed to show compliance with this condition.
[17 CCR 93116]
12. Fleet owners of emergency diesel-fired engines shall comply with all reporting requirements of the Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. [17 CCR 93116]
13. A non-resettable engine hour meter shall be installed on each engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced while the engine is operating on site, the Air Pollution Control District's Compliance Division shall be notified in writing by the engine owner 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 meter reading on replacement meter
 - c) copy of receipt for the new meter or of the installation work orderA copy of the meter replacement notification shall be maintained onsite and made available to the District upon request.
[Rule 69.4.1]
14. Periodic maintenance of the engine and add-on control equipment, if any, shall be conducted as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
 - 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary;
 - 3) Inspect all hoses and belts, replacing as necessary; and
 - 4) Inspect spark plugs, if equipped, replacing as necessary.Documentation of oil and filter changes or copies of the oil test analysis shall be made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. For engines owned by the permit holder or operator the maintenance records shall be maintained on-site. For rental engines, maintenance records shall be provided within 5 business days of request.
(Rule 12 and/or Rule 69.4.1 and/or 40 CFR 63 Subpart ZZZZ).
16. All records required by this permit shall be maintained on site or 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 69.4.1, 17CCR 93116)
18. 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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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.)

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	7/11/17	11/12/20
4	Review of Rules	F	01/01/70 [†]	09/22/72
5	Authority to Arrest	F	03/24/76 [†]	NA
6	Minor Violations	D	12/15/99	N/A
	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	F D	07/08/20 10/13/22	10/28/22 Pending
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	09/18/90	N/A
17	Cancellation of Applications	F	04/06/93	03/11/98
18	Action on Applications	D	09/18/90	N/A
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 D	01/12/79 10/12/23	09/28/81 Pending
19.3	Emission Information	F D	05/15/96 12/09/21	03/09/00 Pending
20	Standards for Granting Permits	F	04/25/89	10/04/18
20.1	NSR - General Provisions	F	10/14/21	09/28/22
20.2*	NSR - Non-major Stationary Sources	F	06/26/19	09/16/20
20.3*	NSR - Major Stationary Source and PSD Stationary Source	F	10/14/21	09/28/22
20.4*	NSR - Portable Emission Units	F	10/14/21	09/28/22
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	04/27/16	10/04/18
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	01/01/69 [†]	N/A
23	Further Information	D	01/01/69 [†]	N/A
24	Temporary Permit to Operate	F	06/29/16	10/04/18
25	Appeals	F	01/01/69 [†]	09/22/72
25	Appeals	D	06/21/00	N/A

Rule Citation¹	RULE TITLE	A/R²	District Adoption Date³	SIP FR Approval Date
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D	06/26/19	N/A
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.2	Use of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.5	Transfer of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.6	District Banking of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.7	Shutdown and Related Emission Unit	D	10/22/97	N/A
26.8	Banking of Limited Emission Reductions	D	10/22/97	N/A
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D	10/22/97	N/A
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D	10/22/97	N/A
27	Banking of Mobile Source Emission Reduction Credits	D	11/29/94	N/A
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	01/12/23	N/A
42	Hearing Board Fees	D	04/14/22	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
45	Federally Mandated Ozone Nonattainment Fees	D	6/9/2022	Pending
	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
55	Fugitive Dust Control	D	06/24/09	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
60.1	Limiting Potential to Emit – Small Sources	D	04/04/12	N/A
60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	04/04/12	N/A

Rule Citation¹	RULE TITLE	A/R²	District Adoption Date³	SIP FR Approval Date
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	02/10/21	12/16/22
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	09/03/21
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	F	03/26/08	01/7/13
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
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	F D	2/24/10 5/11/16	08/09/12 ?
67.0.1	Architectural Coatings	F	02/10/21	12/14/22
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	02/10/21	10/22/21
67.6.2	Vapor Degreasing Operations	F	02/10/21	10/22/21
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
67.12.1	Polyester Resin Operations	F	05/11/16	04/02/18
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

Rule Citation¹	RULE TITLE	A/R²	District Adoption Date³	SIP FR Approval Date
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/F	07/08/20	Pending
69.2.2	Medium Boilers, Process Heaters and Steam Generators	F	09/09/21	8/23/23
69.3**	Stationary Gas Turbine Engines	F	Repealed	06/17/97 (Withdrawal Pending)
69.3.1**	Stationary Gas Turbine Engines – BARCT	D	12/9/21	Pending
69.4**	Stationary Internal Combustion Engines	F	Repealed	01/04/06 (Withdrawal Pending)
69.4.1**	Stationary Internal Combustion Engines - BARCT	D	07/08/20	Pending
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
69.7	Landfill Gas Flares	D/F	03/09/23	Pending
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	09/17/85	N/A
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	N/A
97	Emergency Variance	D	07/25/95	N/A
98	Breakdown Conditions: Emergency Variance	D	07/25/95	N/A
	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

Rule Citation¹	RULE TITLE	A/R²	District Adoption Date³	SIP FR Approval Date
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 D	05/01/81 12/17/97	06/21/82 N/A
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 D	03/30/77 06/20/01	08/31/78 N/A
REGULATION XII - TOXIC AIR CONTAMINANTS				
1200	Toxic Air Contaminants - New Source Review	D	09/19/23	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
1206	Asbestos Removal, Renovation, and Demolition	D	11/15/17	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	09/19/23	N/A

REGULATION XIV - TITLE V OPERATING PERMITS				
1401	General Provisions	F	10/14/21	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 D	02/27/04 10/12/23	02/27/04 Pending
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. In addition, if an NSPS or NESHAP is revised by EPA and the revised rule not adopted by the District, both versions of the rule are considered federally applicable requirements and the most stringent requirement applies until such time as the District adopts the revised version.

Subpart & Citation	RULE TITLE	District Adoption Date(s)	Federal Delegation Date
Part 60	REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES	04/06/2021	As shown below
A	General Provisions	04/06/2021	04/08/2021
D	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	01/29/2020	04/08/2021
Da	Standards of Performance for Industrial-Commercial -Institutional Steam Generating Units	01/29/2020	04/08/2021
Db	Standards of Performance for Small Industrial-Commercial - Institutional Steam Generating Units	01/29/2020	04/08/2021
Dc	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	01/29/2020	04/08/2021
E	Standards of Performance for Incinerators	01/29/2020	04/08/2021
Eb	Standards of Performance for Large Municipal Waste Combustors for Which Construction is Commenced After September 20, 1994 or for Which Modification Or Reconstruction Commenced After June 19, 1996	06/20/2007	01/03/2008
Ec	Standards of Performance for Hospital/Medical/Infectious Waste Incinerators	01/29/2020	04/08/2021
I	Standards of Performance for Hot Mix Asphalt Facilities	01/29/2020	04/08/2021
J	Standards of Performance for Petroleum Refineries	01/29/2020	04/08/2021
K	Standards of Performance for Storage Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	06/20/2007	01/03/2008
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction after May 18, 1978	06/20/2007	01/03/2008
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	06/20/2007	01/03/2008
L	Standards of Performance for Secondary Lead Smelters	01/29/2020	04/08/2021
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	01/29/2020	04/08/2021
O	Standards of Performance for Sewage Treatment Plants	01/29/2020	04/08/2021
DD	Standards of Performance for Grain Elevators	01/29/2020	04/08/2021
EE	Standards of Performance for Surface Coating Metal Furniture	01/29/2020	04/08/2021
GG	Standards of Performance for Stationary Gas Turbines	01/29/2020	04/08/2021
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	01/29/2020	04/08/2021
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	01/29/2020	04/08/2021
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	01/29/2020	04/08/2021
TT	Standards of Performance for Metal Coil Surface Coating	01/29/2020	04/08/2021
AAA	Standards of Performance for New Residential Wood Heaters	04/06/2021	04/08/2021
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	01/29/2020	04/08/2021

Subpart & Citation	RULE TITLE	District Adoption Date(s)	Federal Delegation Date
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	01/29/2020	04/08/2021
JJJ	Standards of Performance for Petroleum Dry Cleaners	01/29/2020	04/08/2021
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	01/29/2020	04/08/2021
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	01/29/2020	04/08/2021
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	05/23/2007	01/03/2008
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/06/2021	04/08/2021
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	06/20/2007	01/03/2008
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	04/06/2021	04/08/2021
EEEE	Standards of Performance for Other Solid Waste Incineration Units	01/29/2020	04/08/2021
IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	04/06/2021	04/08/2021
JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	04/06/2021	04/08/2021
KKKK	Standards of Performance for Stationary Combustion Turbines	04/06/2021	04/08/2021
QQQQ	Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces	04/06/2021	04/08/2021
TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	04/06/2021	04/08/2021
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

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
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
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations
17 CCR § 93106	Asbestos ATCM for Surface Applications
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines
DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES	
Part 63	
A	General Provisions
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks
O	Ethylene Oxide Sterilization Facilities
R	Gasoline Distribution
T	Halogenated Solvent Cleaning
DD	Off-site Waste & Recovery Operations
GG	Aerospace Manufacturing and Rework Facilities
II	Shipbuilding and Ship Repair (Surface Coating)
JJ	Wood Furniture Manufacturing Operations
VVV	Publicly Owned Treatment Works
AAAA	Municipal Solid Waste Landfills
EEEE	Organic Liquids Distribution (non-gasoline)
MMMM	Surface Coating of Miscellaneous Metal Parts and Products
PPPP	Plastic Parts (surface coating)
SSSS	Surface Coating of Metal Coil
VVVV	Boat Manufacturing
WWWW	Reinforced Plastic Composites Production
YYYY	Stationary Combustion Turbines
ZZZZ	Stationary Reciprocating Internal Combustion Engines
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters

GGGGG	Site Remediation
HHHHH	Miscellaneous Coating Manufacturing
PPPPP	Engine Test Cells/Stands
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources
BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities
CCCCC	Gasoline Dispensing Facilities
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
JJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers
QQQQQ	Wood Preserving Area Sources
VVVVV	Chemical Manufacturing Area Sources
WWWWW	Plating and Polishing Operations Area Sources
XXXXX	Metal Fabrication and Finishing Area Sources
AAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources
CCCCCC	Paint and Allied Products Manufacture Area Sources

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. For some rules, there are separate versions denoted as “F” and “D” which indicates when there is a SIP version of the rule, denoted by “F”, which is federally enforceable, and an amended version of the rule which has been approved by the District but has not been approved into the SIP. At the time a pending rule is approved into the SIP, it will become fully federally enforceable and replace the previous version of the rule.
 - ‘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. For rules 20.2-20.4 as marked with a “*”, certain provisions were not submitted to EPA as denoted in the SIP submittals, and these provisions are therefore not federally enforceable
5. Rules 69.3 and 69.4 were repealed by the District because the applicable provisions were incorporated into Rules 69.3.1 and 69.4.1 which were submitted to EPA for SIP approval. However, these rules have not been approved due to concerns with startup/shutdown exemptions from emission limits.

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