



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](http://www.sdapcd.org)

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**TITLE V OPERATING PERMIT**  
**APCD2025-TVP-00054**

**Issued To:**

BAE System San Diego Ship Repair  
Site ID # APCD1980-SITE-00204

**Site Address:**

2205 E. Belt St.  
San Diego, CA 92113  
(619) 359-5591

**Mailing Address:**

2205 E. Belt St.  
San Diego, CA 92113

**Responsible Official** – Erik Icke

**Facility Contact** – Sandor Halvax

**Permit Information Contact** – Brian Verneti

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

This Title V Operating Permit expires on \_\_\_\_\_.

Signed by:

Mohsen Nazemi, MS, PE.  
Chief, Engineering Division  
San Diego County Air Pollution Control District

\_\_\_\_\_  
Date

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## **PREAMBLE**

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

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

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

SD Air Pollution Control District  
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	12	Registered Equipment
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	20.2 – 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
SDAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. V	98*	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control
40 CFR Part 82	Subpart A	Production and Consumption Controls
40 CFR Part 82	Subpart B	Servicing of Motor Vehicle Air Conditioners
40 CFR Part 82	Subpart F	Recycling and Emissions Reducing

*\*Breakdowns/variances are not recognized by EPA and cannot grant relief from federal enforcement of applicable 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
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SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Air Contaminants
SDCAPCD Reg. IV	54	Dust and Fumes
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	66.1	Miscellaneous Surface Coating & Other VOC Emitting Processes
SDCAPCD Reg. IV	67.0.1	Architectural coating
SDCAPCD Reg. IV	67.12.1	Polyester Resin Operations
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOCs
SDCAPCD Reg. IV	67.18	Marine Coating Operations
SDCAPCD Reg. IV	67.21	Adhesive Material Application Operations
SDCAPCD Reg. IV	67.3	Metal Parts and Products Coating Operations
SDCAPCD Reg. IV	67.6.1	Cold Solvent Cleaning and Stripping Operations
SDCAPCD Reg. IV	69.4	Stationary Reciprocating Internal Combustion Engines (Major Sources)
SDCAPCD Reg. IV	69.4.1	Stationary Reciprocating Internal Combustion Engines
SDCAPCD Reg. X	40 CFR 60 Subpart A	NSPS General Provisions
SDCAPCD Reg. X	40 CFR 60 Subpart IIII	NSPS for Stationary Compression Ignition Internal Combustion Engines
SDCAPCD Reg. XI	40 CFR 63 Subpart A	NESHAP General Provisions
SDCAPCD Reg. XI	40 CFR 63 Subpart ZZZZ	NESHAP for Stationary Reciprocating Internal Combustion Engines
SDCAPCD Reg. XI	40 CFR 63 Subpart HHHHHH	NESHAP for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources
SDCAPCD Reg. XII	1200*	Toxic Air Contaminants – New Source Review
40 CFR Part 61	Subpart M	NESHAP – Asbestos
SDCAPCD Reg. XII	1206	Asbestos Removal, Renovation, and Demolition
SDCAPCD Reg. XII	1210*	Toxic Air Contaminant Health Risks – Public Notification and Risk Reduction
California Code of Regulations (CCR) Title 17	93115.1*	Stationary Diesel Airborne Toxic Control Measure (ATCM)
California Code of Regulations (CCR) Title 17	93116.1*	Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (ATCM)



California Code of Regulations (CCR) Title 17	93118.5*	Airborne Toxic Control Measure for Diesel Engines on Commercial Harbor Craft Operated within California Waters and 24 Nautical Miles of The California Baseline (ATCM)
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*\*Not federally enforceable*

**C. PERMIT SHIELDS**

The permittee has not requested any permit shields.

**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. [Rules 53, 62]
2. The permittee shall comply with all applicable requirements, including but not limited to, those applicable requirements of 40 CFR Parts 60 and 63.

**E. VOLUNTARY AREA SOURCE LIMITS FOR HAZARDOUS AIR POLLUTANTS (HAPs)**

1. Total Federal Hazardous Air Pollutant (HAP) emissions from the stationary source shall not exceed 25 tons per consecutive twelve (12) month period. Additionally, the emissions of any single HAP from the stationary source shall not exceed 10 tons per consecutive twelve (12) month period [40 CFR 63 Subpart A].
2. To demonstrate that HAP emissions from stationary source do not exceed the above limits, the permit holder shall comply with one of the following requirements:
  - a. Hazardous air pollutant (HAP) emissions from this stationary source shall be calculated on a monthly basis no later than two months following the end of the month the calculation is for. These calculations shall either be performed according to standard District calculation methods or a protocol approved by the District. Emissions from insignificant units must be included in these calculations. Or,
  - b. Maintain documentation to demonstrate that the facility has a potential to emit less than or equal to 25 tons per consecutive twelve (12) month period of combined HAP, and less than or equal to 10 tons per consecutive twelve (12) month period of any single HAP. Calculation of potential to emit shall be based on the provisions described in District Rules 20.1 and Regulation XIV and specifically must be based on equipment's maximum capacity unless enforceable permit conditions otherwise restrict those emissions to a lower level. Emissions from insignificant units must be calculated based on maximum capacity and may not include any control efficiencies not specified by an enforceable permit condition.

The permit holder shall maintain all records necessary to demonstrate compliance with this condition for at least five (5) years. This includes all data used to calculate actual emissions in accordance with (a), or the calculations used to establish that potential to

emit is less than that described in (b). Note that compliance with option (b) does not relieve the owner or operator from the need to ensure that actual emissions do not exceed the limits of the above condition. [Rule 1421]

3. If, in any consecutive 12-month period, the facility is unable to demonstrate that Federal HAP emissions from the stationary source do not exceed the above limits, it shall be considered a violation of the terms of this permit and the permit holder shall comply with all applicable requirements of 40 CFR Subpart 63, including submitting all required applications to modify District and Title V permits as necessary. [40 CFR 63 Subpart A]

## SECTION III. EMISSION UNIT REQUIREMENTS

### A. 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>EU Reference</b>	<b>Source</b>
APCD2005-PTO-006646	Marine Coating Operation
APCD2005-PTO-030064	Prime Engine
APCD2005-PTO-030067	Prime Engine
APCD2005-PTO-900222	Polyester Resin Operation
APCD2005-PTO-971495	Diesel Engine
APCD2005-PTO-975762	Adhesive Operation
APCD2007-PTO-962075	Diesel Engine
APCD2008-PTO-930298	Abrasive Blasting
APCD2008-PTO-961986	Solvent Cleaning
APCD2010-PTO-000658	Fiberglass Machining
APCD2010-PTO-000659	Fiberglass Machining
APCD2017-PTO-002828	Emergency Engine
APCD2017-PTO-002829	Emergency Engine
APCD2018-PTO-002986	Wipe Cleaning Operation
APCD2021-PTO-003681	Portable Engines
APCD2023-PTO-004489	Portable Engines
APCD2024-PTO-005036	Emergency Engine
APCD2024-PTO-004994*	Adhesive Operation
APCD2023-PTO-004615**	Cold Spray Operation
APCD2021-PTO-004006*	Adhesive Operation

*\*These two permits are owned by Lockheed Martin but operated at BAE Systems Site.*

*\*\*This permit is owned by VRC Metal Systems but operated at BAE Systems Site.*

### 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.

<b>Regulation</b>	<b>Rule Citation</b>	<b>Title</b>
SDCAPCD Reg. II	19.2	Continuous Emission Monitoring Requirements
SDCAPCD Reg. II	20.1, 20.3	New Source Review
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	54	Dust and Fumes
SDCAPCD Reg. IV	62	Sulfur Content of Fuels

### **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.

## **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]

## SECTION V. APPENDICES

### APPENDIX A: EMISSION UNITS – SPECIFIC CONDITIONS

EU Reference	Source
APCD2005-PTO-006646	Marine Coating Operation
APCD2005-PTO-030064	Prime Engine
APCD2005-PTO-030067	Prime Engine
APCD2005-PTO-900222	Polyester Resin Operation
APCD2005-PTO-971495	Diesel Engine
APCD2005-PTO-975762	Adhesive Operation
APCD2007-PTO-962075	Diesel Engine
APCD2008-PTO-930298	Abrasive Blasting
APCD2008-PTO-961986	Solvent Cleaning
APCD2010-PTO-000658	Fiberglass Machining
APCD2010-PTO-000659	Fiberglass Machining
APCD2017-PTO-002828	Emergency Engine
APCD2017-PTO-002829	Emergency Engine
APCD2018-PTO-002986	Wipe Cleaning Operation
APCD2024-PTO-005036	Emergency Engine
APCD2024-PTO-004994*	Adhesive Operation
APCD2023-PTO-004615**	Cold Spray Operation
APCD2021-PTO-004006*	Adhesive Operation

*\*These two permits are owned by Lockheed Martin but operated at BAE Systems facility.*

*\*\*This permit is owned by VRC Metal Systems but operated at BAE Systems facility.*

### NON-ROAD ENGINES NOT INCLUDED IN TITLE V PERMIT

EU Reference	Source
APCD2021-PTO-003681	Portable Engines
APCD2023-PTO-004489	Portable Engines



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
**10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649**  
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**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2022-RRP-990009

**PERMIT ID**  
**APCD2005-PTO-006646**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

May operate ship building and repair facility consisting of:

1. Marine coating operations to apply coatings on ships and related structures intended for exposure to a marine environment at BAE Systems San Diego Ship Repair's facility including: 3 piers up to 700 feet in length, one 22,000-ton floating dry dock, one 55,000-ton floating dry dock, various open paint areas and temporary structures of various sizes.
2. Equipment required when spray applying any coatings that contain Cr, Pb, Mn, Ni, Cd, As, or Be: either a structure with a full roof and at least three complete walls or complete side curtains or a mobile ventilated structure as defined in this permit to operate. These structures shall be equipped with high efficiency filters in compliance with this permit and shall ensure that air is drawn into the structure when in use.
3. Welding operations consisting of hot work permit processes including but not limited to GMAW, SMAW, FCAW, Brazing, GTAW, and SAW, Mechanically Attached Fittings (MAF), and indoor welding shop air pollution control devices equipped with HEPA filters.  
(Risk Reduction Plan)

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  
1 [91A] Miscellaneous

BEC: APCD2023-CON-002048

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

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**PERMIT ID**  
**APCD2005-PTO-006646**



**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 receive prior District approval by applying for and obtaining an Authority to Construct for all such modifications. [Rule 51]
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). [Rule 67.18]
3. All equipment associated with air contaminant emissions from this operation or that affects the air contaminant emissions shall not deviate from the above equipment description. The permittee shall submit an application to the District and wait for approval in writing prior to modifying any such equipment. [Rule 10]
4. Permittee shall only apply coatings using one of the following methods: High Volume Low Pressure (HVLP) spray application, airless spray gun, electrostatic spray application, 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 20.2]
5. The total Volatile Organic Compound (VOC) emissions from this operation shall not exceed an average of 3000 pounds per day. The average daily emissions shall be calculated by dividing the total VOC emissions in a calendar month by the number of days on which coating operations are conducted in that calendar month. [Rule 20.3]
6. Total emissions of Volatile Organic Compounds (VOC) from all marine coating equipment operated under this permit to operate shall not exceed 40 tons in any consecutive 12 months [Rule 20.3]
7. Curtains or shroudings shall be used during painting operations when wind speed exceeds 10 miles / hour. [Rule 20.3]
8. Marine coating operations shall comply with all applicable requirements of Rule 67.18. [Rule 67.18]
9. 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]
10. 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]
11. Cleaning of equipment used in marine coating operations shall meet one of the following requirements:
  - a) 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
  - b) a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes, or
  - c) 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 and 20.3]

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**PERMIT ID**  
**APCD2005-PTO-006646**  


12. The Permittee shall maintain record keeping for marine coating operations in accordance with Rule 67.18 and this permit to operate. 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) or 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);
    - 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) type of application equipment used;
  - d) daily or monthly usage records shall be kept for all materials containing VOC. If monthly records are maintained, the number of operating days per calendar month shall be recorded; and,
  - e) daily or monthly VOC emissions.
- [Rule 67.18, Rule 20.3]
13. All records required by this permit, including emission and usage records, shall be maintained on site for at least five (5) years and made readily available to the District upon request. [NESHAP HHHHHH]
14. All materials containing Volatile Organic Compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. [Rule 67.17]
15. All chemical strippers that contain methylene chloride (MeCl CAS 75-09-2) shall be stored in closed containers. [NESHAP HHHHHH]
16. The permittee shall comply with the requirements in conditions 18 through 25 when spray applying any coating containing compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd), to any part or product made of metal or plastic, or combinations of metal and plastic. For the purposes of this condition, spray application means coatings that are applied using a hand-held device that creates an atomized mist of coating and deposits the coating on a substrate. Spray-applied coatings do not include the following materials or activities: coatings applied from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters) or surface coating application using powder coating, hand-held, non-refillable aerosol containers, or non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electro deposition coating, web coating, coil coating, touch-up markers, or marking pens. [NESHAP HHHHHH].
18. Spray application of materials containing chromium, lead, manganese, nickel, cadmium, beryllium or arsenic shall only occur within a structure that meets the following requirements:
- a) ventilated so that air is drawn into the structure, and
  - b) equipped with filters that achieve 98% capture efficiency, and
  - c) equipped with full roof and at least three complete walls or complete side curtains, or
  - d) a mobile ventilate structure, which encloses and, if necessary, seals against the surface around the area being coated such that paint overspray is retained within the structure and directed to the filter.
- [NESHAP HHHHHH, Rule 1200]

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19. The filter used for the coating operation described above shall achieve at least 98% capture efficiency of paint overspray. The procedure used to demonstrate filter efficiency must be consistent with American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method Standard 52.1, "Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992". For the purposes of this condition, a test consistent with method 52.1 shall meet all of the following parameters:

The test coating for measuring filter efficiency shall be a high solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-HVLP) air-atomized spray gun operating at 40 pounds per square inch (psi); the air flow rate across the filter shall be 150 feet per minute.

Owners and operators may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement. [NESHAP HHHHHH]

20. All paint spray gun cleaning must be done so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of the container that collects used gun cleaning solvent. [NESHAP HHHHHH]
21. All painters must complete a training course that meets the requirements specified in the following condition within 180 days after hiring or 180 days after the Construction Completion Notice is submitted to the District, whichever is later. This certification will be valid for five (5) years. A refresher course must be completed for re-certification every five (5) years. [NESHAP HHHHHH]
22. The painters training course shall include at a minimum hands-on demonstration and classroom instruction in:
- a) selection, set up, and operation of spray gun equipment, including measuring coating viscosity, selecting proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate; and,
  - b) spray techniques for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the substrate, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke; and,
  - c) routine spray booth and filter maintenance, including filter selection and installation.
- [NESHAP HHHHHH]
23. The permittee shall submit a report to the District every calendar year in which information previously submitted has changed. This report should include changes associated with the initial notification required by §63.11175(a), or Notification of Compliance, or a previous annual notification of changes report submitted under this condition. This report shall include any deviations from relevant requirements under § 63.11173 (e) - (g), which includes:
- a) proper training of all painters;
  - b) use of proper application equipment (e.g. HVLP);
  - c) use of spray booth when coatings are applied, with proper ventilation and filters;
  - d) proper cleaning of application equipment.
- [NESHAP HHHHHH]
24. The annual notification of changes report must be submitted to the District prior to March 1 of each calendar year when reportable changes have occurred and must include the following information:
- a) the company's name and the street address (physical location) and the street address where compliance records are maintained, if different;
  - b) the name, title, address, telephone, e-mail address (if available) and signature of the owner and operator, or other certifying company official, certifying the truth, accuracy, and completeness of the notification;
  - c) a statement of whether the source has complied with all the relevant standards and other requirements of this permit or an explanation of any noncompliance and a description of corrective actions being taken to achieve compliance.
- [NESHAP HHHHHH]



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25. The permittee shall maintain recordkeeping in accordance with NESHAP HHHHHH. These records shall include the following information:
- a) current list of personnel by name and job description that are required to be trained;
  - b) records describing the methods being used to train the painters including demonstration that the training meets all the requirements specified in this Authority to Construct;
  - c) type of application equipment used;
  - d) manufacturer data on the exhaust filter's efficiency;
  - e) any notifications, initial or compliance status, as required by § 63.11175;
  - f) any notification of changes reports submitted required by § 63.11176;
  - g) records of any assessments of source compliance performed in support of the initial notification, notification of compliance status or annual notification of changes report.
- [NESHAP HHHHHH]
26. 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 20.3]
27. Contractors performing marine coating operations shall be provided a copy of this permit prior to commencing coating operations. [Rule 21]
28. 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 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) or 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 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) type of application equipment used;
  - d) daily or monthly usage records shall be kept for all materials containing VOC. If monthly records are maintained, the number of operating days per calendar month shall be recorded; and,
  - e) daily or monthly VOC emissions.
- [Rule 67.18, Rule 21]
29. Contractors shall comply with all conditions in this permit to operate. [Rule 21]
30. 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]
38. 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**

17. The permittee shall comply with the requirements in conditions 18 and 19 when spray applying any coating containing beryllium (Be) or arsenic (As). For the purposes of this condition spray applied means using a hand-held device that creates an atomized mist of coating and deposits the coating on a substrate. Spray-applied coatings do not include the following materials or activities: surface coating application using powder coating, hand-held or non-refillable aerosol containers, and non-atomizing application technology, including, but not limited to, paint brushes, rollers, hand wiping, flow coating, dip coating, electro deposition coating, web coating, coil coating, touch-up markers, and marking pens. [Rule 1200]
31. The owner or operator shall use Mechanically Attached Fitting (MAF) technology on piping systems that are approved by Southwest Regional Maintenance Center (SWRMC). [Rule 1210]
32. The owner or operator shall maintain records of when the Mechanically Attached Fitting (MAF) technology is utilized. On a calendar year basis, the owner or operator shall determine the percentage of welding operations replaced with MAF technology using summed daily hot welding usages and MAF application records included in that period. [Rule 1210]
33. All welding operations conducted indoors must be vented to air pollution control equipment consisting of exhaust hoods and a baghouse equipped with HEPA filtration. [Rule 1210]
34. The owner or operator shall, on an annual basis, ensure that at least 20% of Nickel based welds are replaced with the use of MAF technology. Alternatively, if the annual usage of MAF Technology is less than 20%, the owner or operator shall comply with the following requirement for Nickel emissions from welding operations:
- a. Air emissions of Nickel (CAS #: 7440-02-0) from outdoors welding operations shall not exceed 0.015 pounds (lbs) per hour from all outdoors welding operations; and,
- b. Hourly Nickel emissions from outdoors welding operations shall be calculated as follows: Hourly Emissions =  $U / H \times F$
- Where U = Welding material usage daily minus waste (lb material/day)
- H = Number of hours in a shift (hr/day) estimated as:  
4 hours/day for welding material daily usage less than < 11 lbs/day or  
8 hours/day for welding material daily usage greater than and equal to  $\geq$  11 lbs/day
- F = Welding emission factors specific to process and material (lb pollutant emitted/lb rod used) where only the latest approved San Diego County Air Pollution Control District emission inventory factors or alternative emission factors approved by the District in writing shall be applied.
- Records and calculations for the verification of percent usage of MAF Technology, or alternatively, hourly Nickel emissions from outdoor welding operations shall be provided annually to the District, attention APCDEngineering@sdapcd.org, by September 30th for each year the RRAP is in effect. [Rule 1210]
35. If by December 2025 the owner or operator does not meet the above specified requirements that at least 20% of nickel based welds are replaced with the use of MAF technology on an annual basis, and alternatively does not meet the above specified total Nickel air emissions from outdoors welding operations of 0.015 lbs per hour, the owner or operator shall submit a revised Risk Reduction and Audit Plan in accordance with Rule 1210(e)(10). The revised risk reduction audit and plan shall include the following:
- a. A justification for why the owner or operator has not utilized the MAF technology for at least 20% of the nickel based welds on an annual basis.
- b. A justification for why the owner or operator has not complied with the nickel air emissions on an hourly basis.
- c. A proposal specifically showing how the Acute Health Hazard Index will be below 1 within 5 years from the date this authorization is issued.  
[Rule 1210]
36. The owner or operator shall comply will all applicable provisions of Rule 1210. [Rule 1210]

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37. The permittee shall maintain records for the stationary source for the purposes of complying with the approved RRAP and Rule 1210. The records shall include the following information (Rule 1210):
- a. Daily record of Mechanically Attached Fitting (MAF) usage;
  - b. Annual percentage of all welding operations that are replaced with the use of MAF technology;
  - c. Navy Standard Items certifications obtained for MAF technology;
  - d. Daily usage records of all welding consumables in pounds per day (lbs/day), including waste/leftover spools if waste is deducted from usage in emission calculations;
  - e. Type of welding process used per material and location(s);
  - f. 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 welding material and shall include content weight or weight percentage of Nickel and other toxic air contaminant (TAC) contained in each material;
  - g. Hourly Nickel emissions from outdoors welding operations as calculated and referenced in accordance with the conditions in this permit.
- [Rule 1210]
39. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
40. 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:** APCD1980-SITE-00204  
**App ID:** APCD2001-APP-976428

**PERMIT ID**  
**APCD2005-PTO-030064**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Prime Engine  
Mfr: DETROIT DIESEL,  
Model: 16V-149TI,  
S/N: 16E0007583,  
fuel: diesel

Located in floating dry dock (Pride of San Diego, engine #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 [34D] Engine for Non-Emergency & Non-Cogeneration

BEC: APCD2021-CON-001843

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

4. This engine shall only use CARB diesel fuel. [Rule 69.4.1, 17 CCR § 93118.5]
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. [Rule 50]
6. The equipment described above shall not cause or contribute to a public nuisance. [Rule 51]
9. 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]

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10. 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]
11. 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]
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. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. [Rule 12, Rule 69.4.1, 40 CFR 60 Subpart IIII]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

1. Operation of this internal combustion engine shall not exceed 40 hours per calendar year for any purpose including emergency operations. Records substantiating that the engine has not and will not exceed this limit shall be maintained and provided to District personnel upon request.  
[17 CCR § 93118.5(e)(14)(B)1.-Table 22]
2. Any requirements of the Commercial Harbor Craft Regulation described in this permit, as denoted by being exclusively based on 17 CCR § 93118.5, shall not apply if an alternative to the specific requirement is approved by CARB under the Alternative Control of Emissions (ACE) provisions of 17 CCR § 93118.5(f) and the engine is operated in compliance with all stipulations of the CARB approved ACE. The owner or operator shall maintain a record of the ACE and records to substantiate compliance with applicable requirements if claiming exemption from requirements of this permit in accordance with this condition. [17 CCR § 93118.5]
3. Operation of this internal combustion engine shall not exceed 80 hours per calendar year for any purpose, including emergency operations. The owner or operator shall maintain records on at least a calendar year basis of engine hours of operation.  
[Rule 1200]



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7. 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
  - (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.  
[17 CCR § 93118.5]
8. If an existing hour meter is replaced, the owner/operator must comply with any requirements for notification to CARB described in 17 CCR § 93118.5.  
[17 CCR § 93118.5(e)(2)]
15. 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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BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
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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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Prime Engine  
Mfr: Detroit Diesel,  
Model: 16V-149TI,  
S/N: 16E0007582,  
fuel: diesel

Located in floating dry dock (Pride of San Diego, engine #2)

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

Fee Schedules: 1 [34D] Engine for Non-Emergency & Non-Cogeneration

BEC: APCD2021-CON-001843

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

4. This engine shall only use CARB diesel fuel. [Rule 69.4.1, 17 CCR § 93118.5]
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. [Rule 50]
6. The equipment described above shall not cause or contribute to a public nuisance. [Rule 51]
9. 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]

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10. 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]
11. 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]
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. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. [Rule 12, Rule 69.4.1, 40 CFR 60 Subpart IIII]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

1. Operation of this internal combustion engine shall not exceed 40 hours per calendar year for any purpose including emergency operations. Records substantiating that the engine has not and will not exceed this limit shall be maintained and provided to District personnel upon request.  
[17 CCR § 93118.5(e)(14)(B)1.-Table 22]
2. Any requirements of the Commercial Harbor Craft Regulation described in this permit, as denoted by being exclusively based on 17 CCR § 93118.5, shall not apply if an alternative to the specific requirement is approved by CARB under the Alternative Control of Emissions (ACE) provisions of 17 CCR § 93118.5(f) and the engine is operated in compliance with all stipulations of the CARB approved ACE. The owner or operator shall maintain a record of the ACE and records to substantiate compliance with applicable requirements if claiming exemption from requirements of this permit in accordance with this condition. [17 CCR § 93118.5]
3. Operation of this internal combustion engine shall not exceed 80 hours per calendar year for any purpose, including emergency operations. The owner or operator shall maintain records on at least a calendar year basis of engine hours of operation.  
[Rule 1200]



**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**  
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**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2005-APP-030067

**PERMIT ID**  
**APCD2005-PTO-030067**  


7. 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
  - (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.  
[17 CCR § 93118.5]
8. If an existing hour meter is replaced, the owner/operator must comply with any requirements for notification to CARB described in 17 CCR § 93118.5.  
[17 CCR § 93118.5(e)(2)]
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:** APCD1980-SITE-00204  
**App ID:** APCD2017-APP-005045

**PERMIT ID**  
**APCD2005-PTO-900222**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Polyester/vinylester operation conducted for ship's structures (i.e. masts, decking, shafts, and rails), using rollers and brushes for hand lay-up or other non-atomized application processes that have a styrene emission factor equivalent to or less than the styrene emission factor associated with hand lay-up, including but not limited to vapor infusion process (VIP) or vacuum bagging.

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

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

BEC: APCD2017-CON-001372

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

2. Permittee shall use only the application equipment specified above. Any change in application method will require modification of this Permit to Operate. [Rule 10]

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**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2017-APP-005045

**PERMIT ID**  
**APCD2005-PTO-900222**  


3. Records shall be maintained in accordance with Rule 67.12.1 and shall contain at a minimum, the following information:
- a. list of all polyester resin materials, hardener, gel coats, catalysts, solvents and cleaning materials etc.
  - b. current safety data sheets (SDS), manufacturer specifications or analytical data for all materials used and shall at a minimum contain the following information:
    1. manufacturer's identification;
    2. material specifications;
    3. monomer content if applicable;
    4. VOC content of materials;
    5. vapor pressure or boiling point as applicable;
    6. content of hardener, catalysts, solvents, fillers, diluents including thinner and each type of resin (i.e. regular, vapor-suppressed, corrosion-resistant, or fire retardant) or gel coat (i.e. pigmented or clear);
  - c. daily or monthly usage records for all materials;

These records shall be maintained on-site for at least three years and made available to the District upon request. [Rule 67.12.1]

4. 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]
5. 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]
6. 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]
7. Containers shall be used for storing, except during the transfer of resin or solvent, all polyester resin, VOC containing cleaning materials and solvent-laden rags, including waste materials in accordance with Rule 67.17. [Rule 67.17]
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**

1. Emissions of styrene (CAS #: 100-42-5) shall not exceed 524 pounds in any consecutive twelve month period. [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:** APCD1980-SITE-00204  
**App ID:** APCD2012-APP-002157

**PERMIT ID**  
**APCD2005-PTO-971495**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
San Diego CA 92113

## **PERMIT TO OPERATE**

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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Diesel Engine Powering a 115 ton Link Belt model TG 1900 Gantry Crane: Cummins; model QSX15-C; serial number 79611632; Engine Family CCEXL15.0AAK; interim tier 4 certified; 450 bhp rated; turbocharged with charge air cooler and EGR; equipped with Cummins Diesel Oxidation Catalyst and Periodic Trap Oxidizer (DPF)

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: APCD2012-CON-000667

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. Fuel consumption of this engine shall not exceed 37,000 gallons in any consecutive 12 month period. [Rule 20.2]
2. This engine shall use only carb diesel fuel. [Rule 69.4.1, 17 CCR 93116]
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]

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5. A non-resettable engine hour meter and/or non-resettable totalizing fuel meter shall be installed on this engine, maintained in good working order and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's compliance division shall be notified in writing within 10 calendar days. The written notifications shall include the following information:
  - a. old meter's reading.
  - b. replacement meter's manufacturer name, model and serial number if available and current reading on replacement meter; and
  - c. copy of receipt of new meter or of installation work order.A copy of the meter replacement notification shall be maintained on site and made available to the Air Pollution Control District upon request. [Rule 69.4.1]
6. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
  - a. documentation shall be maintained identifying the fuel as carb diesel.
  - b. manual of recommended maintenance provided by the manufacturer, or maintenance procedures specified by the engine servicing company; and
  - c. records of annual engine maintenance including date the maintenance was performed.These records shall be made available to the Air Pollution Control District upon request. [Rule 69.4.1, 17 CCR 93116]
7. 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]
8. 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]
9. The owner or operator of the engine shall maintain an operating log that contains the following records: Monthly fuel consumption (gallons) and twelve month rolling total fuel consumption (gallons) as determined by fuel purchase or delivery receipts. This log shall be made available to the Air Pollution Control District upon request. [Rule 20.2]
10. All operational and maintenance logs and fuel use and type and purchase records required by this permit shall be kept for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. The records shall be maintained onsite for a minimum of 24 months from their date of creation. Records for the last 24 months of operations shall be made available to the Air Pollution Control District upon request. Records for operation for the last 25 to 36 months shall be made available to the Air Pollution Control District within 5 working days of request. [Rule 69.4.1]
13. 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]

**Sectors:** 5, P  
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**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

11. This engine, as part of the fleet that it is included in, shall comply with the fleet averaging standards of 17CCR 93116. A copy of the most recent compliance statement submitted to the California Air Resources Board under 17CCR 93116 shall be provided to District personnel upon request. [17CCR 93116]
12. The Responsible Official of a fleet shall provide the following reports to the CARB Executive Officer:
  - a. By March 1st of each calendar year submit a report including the permit or registration number of each low-use engine; hour meter readings at the beginning and end of the previous calendar year for each low use engine.
  - b. For large fleets subject to section 93116.3(c)(2), a statement of compliance that the fleet standards are being achieved and a summary that identifies each portable engine registration number, bhp rating, engine family name, serial number, year of manufacture and the associated emission rate (g/bhp-hr). Alternative-fueled engines must be identified by fuel type.

The statements of compliance are due to the Executive Officer at the following times:

    - i. Upon application to add an engine to the fleet for any Tier 1 engine, Tier 2 engine, Tier 3 engine, including flexibility engines built to those standards.
    - ii. Upon a request to remove a Tier 4 interim engine or a Tier 4 final engine from a fleet, except for engine dealers and rental businesses.
    - iii. March 1, 2020, for the fleet standards that become effective January 1, 2020; and
    - iv. March 1, 2023, for the fleet standards that become effective January 1, 2023; and
    - v. March 1, 2027 for the fleet standards that become effective January 1, 2027.

[17 CCR 93116.4]
14. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
15. 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:** APCD1980-SITE-00204  
**App ID:** APCD2000-APP-975762

**PERMIT ID**  
**APCD2005-PTO-975762**

BAE Systems SDSR, SHE Manager

PO Box 13308  
San Diego CA, 92170

**EQUIPMENT ADDRESS**

BAE Systems SDSR, SHE  
Brian Vernetti  
2205 E Belt St., Foot of Sampson  
San Diego CA 92113

## PERMIT TO OPERATE

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### EQUIPMENT OWNER

BAE Systems SDSR, SHE Manager 2205 E Belt St., Foot of Sampson, San Diego, CA 92113

### EQUIPMENT DESCRIPTION

ADHESIVE MATERIAL APPLICATION OPERATION: OUTDOORS, WORKSTATIONS AND ON SHIP BOARD; USING BRUSHES AND ROLLERS FOR MATERIALS APPLICATION, AND SOAP AND WATER SOLUTION FOR CLEANUP OPERATION.

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: 11913

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

3. Permittee shall comply with all recordkeeping requirements of Rule 67.21, including, maintaining a current list of all materials used which provides all of the data necessary to evaluate compliance. Daily usage records of each adhesive material used shall be maintained on site. Monthly inventory (dispensing) records for each solvent used as an adhesive bonding agent, or for stripping, surface preparation, or cleaning shall be maintained on-site. These records shall be maintained on-site for three years and made available to the District upon request. [Rule 67.21]
4. Current Material Safety Data Sheets (MSDS) or manufacturer's specifications regarding Volatile Organic Compound (VOC) and/or toxic air contaminant (TAC, see Rule 1200) content shall be maintained on-site for all materials and made readily available to the District upon request. [Rule 67.11, Rule 1200]
5. Total daily emissions of Volatile Organic Compounds (VOC) from this equipment at this stationary source shall not exceed 10 pounds per day. [Rule 20.2]
6. Total emissions of Volatile Organic Compounds (VOC) from all adhesive material application equipment at this stationary source shall not exceed 5 tons in any 12 consecutive months. [Rule 20.2]



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7. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in these adhesives materials application operation shall comply with Rule 67.21 requirements. [Rule 67.21]
8. Permittee shall comply with all recordkeeping requirements of Rule 67.21, including, maintaining a current list of all materials used which provides all of the data necessary to evaluate compliance. Daily usage records of each adhesive material used shall be maintained on site. Monthly inventory (dispensing) records for each solvent used as an adhesive bonding agent, or for stripping, surface preparation, or cleaning shall be maintained on-site. These records shall be maintained on-site for three years and made available to the District upon request. [Rule 67.21]
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. 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. Permittee shall not use coatings and/or solvents which contain Toxic Air Contaminants (TACS) listed in Rule 1200 (Revision Effective 6/12/96) except toluene. [Rule 1200]
2. Toluene emissions from this adhesive application operation shall not exceed 201 lbs per consecutive 12-month period. This equates to usage of 183 gallons per consecutive 12-month period of adhesive materials containing 16% by weight toluene. [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:** APCD1980-SITE-00204  
**App ID:** APCD2005-APP-982718

**PERMIT ID**  
**APCD2007-PTO-962075**

BAE Systems San Diego Ship Repair In  
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2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Crane engine:  
mfr: Mitsubishi Fuso,  
model: 6D24-TLA2F,  
family: 4MFTL11.9D2A, Tier 2,  
S/N 6D24359428,  
output: 316 BHP,  
fuel: diesel,

on the Pride of San Diego dry dock

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: APCD2015-CON-001136

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. This engine shall comply with applicable requirements of Airborne Toxic Control Measure for Commercial Harbor Craft Regulation for Portable Engines Rated at 50 Horsepower and Greater.  
[17 CCR § 93118.5]

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**Sectors:** 5, P  
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**PERMIT ID**  
**APCD2007-PTO-962075**



2. Any requirements of the Commercial Harbor Craft Regulation described in this permit, as denoted by being exclusively based on 17 CCR § 93118.5, shall not apply if an alternative to the specific requirement is approved by CARB under the Alternative Control of Emissions (ACE) provisions of 17 CCR § 93118.5(f) and the engine is operated in compliance with all stipulations of the CARB approved ACE. The owner or operator shall maintain a record of the ACE and records to substantiate compliance with applicable requirements if claiming exemption from requirements of this permit in accordance with this condition. [17 CCR § 93118.5]
3. The emissions of oxides of nitrogen (NOx) in parts per million (PPMV), calculated as nitrogen dioxide, shall not exceed 6.9 g/BHP-hr, or 535 PPMV at 15% Oxygen on a dry basis. [Rule 69.4.1]
4. The emissions of carbon monoxide (CO) calculated at 15% oxygen on a dry basis, shall not exceed 900 PPMV. [Rule 69.4.1, Rule 20.2]
5. Measurement of NOx, CO, carbon dioxide (CO2) and oxygen content of exhaust gas shall be determined in accordance with the San Diego County APCD Test Method 100, Air Resources Board (ARB) Test Method 100 or equivalent Environmental Protection Agency (EPA) Test Method. [Rule 69.4.1]
6. 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]
7. 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]
8. 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]
10. This engine shall only use CARB diesel fuel. [Rule 69.4.1, 17 CCR 93118.5]

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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11. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
  - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
  - (b) manual of recommended maintenance provided by the manufacturer.[Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII]
12. Visible emissions including crank case smoke shall comply with Rule 50. [Rule 50]
13. 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]
14. A log showing daily hours of operation of the equipment shall be maintained on the premises and made available to the District upon request. [Rule 69.4.1, Rule 20.2]
15. 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]
16. Unless otherwise specified, all records required by this permit shall be maintained on-site for a minimum of three years from their date of creation and made available to District Personnel upon request. [Rule 69.4.1]
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**

9. If an existing hour meter is replaced, the owner/operator must comply with any requirements for notification to CARB described in 17 CCR § 93118.5.  
[17 CCR § 93118.5(e)(2)]
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.]



**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:** APCD1980-SITE-00204  
**App ID:** APCD2012-APP-002046

**PERMIT ID**  
**APCD2008-PTO-930298**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**

BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
San Diego CA 92113

## **PERMIT TO OPERATE**

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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Abrasive blast room with recycling equipment: blast room (50ft x 70ft x 31ft h) custom made with metallic rolling doors for access. Dust control equipment Torit Dust collector, Model: 4DF48, Serial No.: 242074, with 48 cartridge filters, dust collection efficiency: 99.99% at 5 microns. Total system flow rate: 23,000 cu ft min driven by a 100 hp fan. Four (4) 6.0 cu.ft. capacity Clemco Model 2452 abrasive blast machines, two (2) Clemco Industries Corporation media recovery systems, each with a reclaiming/ hopper and associated ductwork, Serial Nos. 51905 & 52812, each hopper with 106 cu. ft. capacity, with each hopper serving a single reverse pulse type dust collector with cartridge filters and a differential gauge. One (1) 120 cu.ft. and 6-ton capacity Clemco model Big Clem abrasive blast machine with Serial No. 50811; 600 lb abrasive blast pot. (jftapp979485revjun2403)(eadapp982719revnov0607)(APCD2009-APP-987935/CCN/Sep 2010)

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: APCD2010-CON-000209

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. A continuous inspection/maintenance log book shall be maintained with the description of any inspection and/or maintenance and the date of the activity. All entries into the log book shall occur on the day of the inspection/maintenance activity. This log book shall be made available to the District upon request. [Rule 20.2, Rule 52]
2. A differential pressure gauge shall be installed across the dust collector 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 0.1 and 7 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 20.2, Rule 52]

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**PERMIT ID**  
**APCD2008-PTO-930298**



3. Damaged filters shall be replaced prior to reuse of the control equipment. [Rule 20.2, Rule 52]
4. The blast room and the abrasive recycling system shall be vented to the dust collector. To avoid fugitive emissions, these operations shall occur only with the blast room access way closed. [Rule 20.2, Rule 52]
5. As a used filter is removed for replacement, inspection, or disposal, the filter shall be placed immediately into a plastic bag to minimize dust emissions. A filter shall be disposed of only if it is in a sealed container that will minimize dust emissions. [Rule 20.2, Rule 52]
6. The differential pressure gauge readings, taken across the filters before and after filter cleaning shall be recorded in the log book during equipment use at least once on each day of equipment use. [Rule 20.2, Rule 52]
7. All dust collected shall be stored in a sealed container pending disposal or removal from the premises. There shall be no open disposal of collected dust. [Rule 20.2, 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**

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:** APCD1980-SITE-00204  
**App ID:** APCD2006-APP-984159

**PERMIT ID**  
**APCD2008-PTO-961986**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

COLD SOLVENT CLEANER: MANUFACTURER: SAFETY-KLEEN MODEL: 34 INTERNAL SIZE: 33.5"L X 24.0"W X 17.0"H  
SOLVENT: SEE ATTACHMENT AA (986148/JNH/1008) 984159/EZI//RKM/961986/NOAPP

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 [28I] Cold Solvent Degreaser

BEC: APCD2010-CON-000136

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. The cold solvent cleaner (degreaser) described above shall comply with all requirements of Rule 67.6.1. [Rule 67.6.1]
2. The permittee shall only use solvents listed in Attachment AA for the equipment described above. [Rule 67.6.1]
3. The degreaser described above shall be equipped with:
  - A) a readily visible permanent mark or line indicating the maximum allowable solvent level to provide a freeboard ratio greater than or equal to 0.5. Freeboard ratio is the freeboard height divided by the smaller of the interior length or width of the degreaser tank. Freeboard height is the distance from the solvent-air interface to the top of the degreaser, based on inside tank dimensions.
  - B) a cover that completely covers the solvent and is easily operable with one hand or mechanically assisted. This cover shall not be removed except when work or maintenance is being performed in the degreaser.
  - C) a facility for draining parts such that the drained solvent returns to the container.
  - D) a permanent, conspicuous, and legible label listing the applicable operating requirements shall be posted on or near the degreaser.[Rule 67.6.1]



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4. The permittee shall not allow the actual solvent level to be above the marked maximum solvent level line at any time. [Rule 67.6.1]
5. There shall be no liquid leaks from any portion of the degreaser. If a liquid leak is detected, the leak shall be repaired immediately or the degreaser shall be shut down and drained of solvent in a manner that minimizes emissions. [Rule 67.6.1]
6. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. [Rule 67.6.1]
7. Solvent spraying, when necessary, shall only be done using a continuous liquid stream at a low enough pressure that does not cause liquid solvent to splash outside of the sink or work area. Fine, atomized, or shower type spray shall not be used. [Rule 67.6.1]
8. Solvent agitation when necessary shall only be done using pump circulation, a mechanical mixer, or ultrasonic agitation. Air or gas bubble agitation shall not be used. [Rule 67.6.1]
9. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. [Rule 67.6.1]
10. The permittee shall minimize solvent carry-out from the degreaser by applying the following methods:
  - A) allowing full solvent drainage by placing parts on a rack or by other means,
  - B) tipping out any pools of solvent from cleaned parts before removal from the degreaser and,
  - C) allowing parts to dry within the degreaser until visually dry or dripping ceases.[Rule 67.6.1]
11. Waste solvent and any contaminated residue shall be recycled or disposed of according to requirements based on the California Health and Safety Code Division 20, Chapter 6.3 (beginning at section 25100) concerning hazardous waste disposal. [Rule 67.6.1]
12. When using a mixture (i.e. more than one solvent, solvent and water, etc.), the permittee shall maintain records of the types, amounts, and dates of each material (i.e. water, solvent, etc.) added to and removed from each degreaser. These records shall be kept on site for three (3) years and made available to the District upon request. [Rule 67.6.1]
13. Current material safety data sheets (MSDS) or manufacturer specifications for each solvent used shall be maintained on site and made readily available to the District upon request. The MSDS and/or manufacturer's specifications shall, at minimum, contain the following information: manufacturer name and identification for each solvent, solvent composition (including each ingredient and its percentages), Volatile Organic Compound (VOC) content of solvent expressed in g/l (lb/gal) of material as used, density for each solvent and mix ratios. [Rule 67.6.1]
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:** APCD1980-SITE-00204  
**App ID:** APCD2009-APP-987982

**PERMIT ID**  
**APCD2010-PTO-000658**

BAE Systems San Diego Ship Repair In  
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2205 East Belt Street  
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**EQUIPMENT ADDRESS**  
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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Fiberglass reinforced plastic machining booth (Booth A) with dimensions 40 ft long, 8 ft wide, and 8 ft high, using various hand machining tools including but not limited to: Dewalt drill, Model: DC930, S/N: 925285; Porter Cable router, Model: 75192, S/N: 038500; Porter Cable sander, Model: 362, S/N: 160383; Skillsaw circular saw, Model: 77, S/N: HC-862860; vented to Donaldson Torit dust collector, Model: DF04-16, S/N: TG926496, containing eight MERV 13 cartridge filters. (APCD2009-APP-987982/CCN/Sep 2010)

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: APCD2010-CON-000208

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. 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 20.2]
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 20.2]
3. The doors to the fiberglass processing room shall remain closed whenever the equipment is in operation. [Rule 20.2]
4. The floor of the fiber glass machining areas shall be vacuumed each day of operation, and measures shall be taken to prevent carrying out of dust from the work areas. [Rule 20.2]



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**Sectors:** 5, P  
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**App ID:** APCD2009-APP-987982

**PERMIT ID**  
**APCD2010-PTO-000658**



5. A differential pressure gauge shall be installed across the dust collector 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 0.1 and 7 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 20.2]
6. 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 20.2]
7. 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 20.2]
8. 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 20.2]

**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:** APCD1980-SITE-00204  
**App ID:** APCD2009-APP-988094

**PERMIT ID**  
**APCD2010-PTO-000659**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**

BAE Systems SDSR  
Environmental Manager  
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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Fiberglass reinforced plastic machining booth (Booth B) with dimensions 23 ft long, 10 ft wide, and 8 ft high, using various hand machining tools including but not limited to: Dewalt drill, Model: DC930, S/N: 925285; Porter Cable router, Model: 75192, S/N: 038500; Porter Cable sander, Model: 362, S/N: 160383; Skillsaw circular saw, Model: 77, S/N: HC-862860; vented to Donaldson Torit dust collector, Model: DF04-16, S/N: TG926496, containing eight MERV 13 cartridge filters. (APCD2009-APP-988094/CNN/Sep 2010)

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: APCD2010-CON-000208

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. 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 20.2]
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 20.2]
3. The doors to the fiberglass processing room shall remain closed whenever the equipment is in operation. [Rule 20.2]
4. The floor of the fiber glass machining areas shall be vacuumed each day of operation, and measures shall be taken to prevent carrying out of dust from the work areas. [Rule 20.2]



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5. A differential pressure gauge shall be installed across the dust collector 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 0.1 and 7 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 20.2]
6. 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 20.2]
7. 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 20.2]
8. 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 20.2]
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:** APCD1980-SITE-00204  
**App ID:** APCD Condition Update

**PERMIT ID**  
**APCD2017-PTO-002828**

BAE Systems San Diego Ship Repair In  
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### **EQUIPMENT OWNER**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Emergency standby engine: Caterpillar engine, Model C32, S/N G3300158, rated at 1333 bhp, Model Year 2015, Marine Tier 3 certified of Engine Family Number FCPXN32.1EE3, driving a 940 KW generator. Located on a floating dry dock.

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: APCD2017-CON-001330

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing. [Rule 69.4.1, Rule 12, 17 CCR 93115]
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 93115.4(a)(65). [Rule 12, or Rule 69.4.1]
3. Engine operation for maintenance and testing purposes shall exceed neither 16 hours per day nor 200 hours per calendar year. [Rule 1200, Rule 20.2]
4. This engine shall only use CARB diesel fuel. [Rule 69.4.1, 17 CCR 93118.5]
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]

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**APCD2017-PTO-002828**



8. 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]
10. 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]
11. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
  - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
  - (b) manual of recommended maintenance provided by the manufacturer.[Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII]
12. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
  - (a) dates and 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]
13. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. [Rule 12, Rule 69.4.1]
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]



**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:** APCD1980-SITE-00204  
**App ID:** APCD Condition Update

**PERMIT ID**  
**APCD2017-PTO-002828**  


**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

7. 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
  - (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. [17 CCR 93118.5]
9. Prior to operating in California, The owner or operator shall maintain all records required under 17 CCR 93118.5(g) on the vessel or the vessel's homeport for the life of each engine. These records shall be made available to District personnel upon request, and shall be submitted to the ARB within 30 days of initial operation within California waters. [17 CCR 93118.5]
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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**App ID:** APCD Condition Update

**PERMIT ID**  
**APCD2017-PTO-002829**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**

BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### EQUIPMENT DESCRIPTION

Emergency standby engine (APP-004447): Caterpillar engine, Model C32, S/N G3300157, rated at 1333 bhp, Model Year 2015, Tier 3 certified of Engine Family Number FCPXN32.1EE3, driving a 940 KW generator. Located on a floating dry dock.

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: APCD2017-CON-001330

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing. [Rule 69.4.1, Rule 12, 17 CCR 93115]
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 93115.4(a)(65). [Rule 12, or Rule 69.4.1]
3. Engine operation for maintenance and testing purposes shall exceed neither 16 hours per day nor 200 hours per calendar year. [Rule 1200, Rule 20.2]
4. This engine shall only use CARB diesel fuel. [Rule 69.4.1, 17 CCR 93118.5]
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]



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**APCD2017-PTO-002829**  


8. 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]
10. 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]
11. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
  - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
  - (b) manual of recommended maintenance provided by the manufacturer.[Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII]
12. The owner or operator of this engine shall maintain a monthly operating log containing, at a minimum, the following:
  - (a) dates and 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]
13. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. [Rule 12, Rule 69.4.1]
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]



**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD Condition Update

**PERMIT ID**  
**APCD2017-PTO-002829**  


**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

7. 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
  - (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. [17 CCR 93118.5]
9. Prior to operating in California, The owner or operator shall maintain all records required under 17 CCR 93118.5(g) on the vessel or the vessel's homeport for the life of each engine. These records shall be made available to District personnel upon request, and shall be submitted to the ARB within 30 days of initial operation within California waters. [17 CCR 93118.5]
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:** APCD1980-SITE-00204  
**App ID:** APCD2017-APP-004919

**PERMIT ID**  
**APCD2018-PTO-002986**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**

BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **EQUIPMENT DESCRIPTION**

Facility-wide solvent wipe cleaning operation.  
Solvents being used: Bio T Max, P-D-680B

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 [28M] Solvent Application Operation

BEC: APCD2018-CON-001416

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

#### **A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. When conducting surface preparation and solvent cleaning operations (including wipe cleaning but excluding cleaning of coating application equipment), the permittee shall meet one of the following requirements:
  - a. the VOC content of cleaning material shall be 50 grams/liter (0.42 lbs/gal), or less as used; or
  - b. the total VOC vapor pressure of cleaning material shall be 8 mm Hg at 20°C (68°F) or less.The above requirement does not apply when conducting solvent cleaning (including wipe cleaning) or surface preparation operations exempt from Rule 66.1 [Rule 66.1]
2. Permittee shall maintain the following records:
  - a. a current list of each solvent, which includes the manufacturer name, solvent composition (each ingredient and its percentage), VOC content as used for each solvent expressed in grams per liter (lbs/gal), vapor pressure in mmHg; and,
  - b. monthly inventory, purchasing, or dispensing records for VOC containing solvent cleaning materials used, and number of operation days per calendar month. [Rule 66.1, Rule 1200]
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. [Rule 67.17]



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**App ID:** APCD2017-APP-004919

**PERMIT ID**  
**APCD2018-PTO-002986**

4. 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]
5. 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. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
7. 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, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2021-APP-006864

**PERMIT ID**  
**APCD2021-PTO-004006**

Lockheed Martin RMS  
Environmental Engineer Chantal Eivaz  
1330 30th Street, Suite E  
San Diego CA, 92154

**EQUIPMENT ADDRESS**

Lockheed Martin RMS  
Michael La Crue II  
1330 30th Street, Suite E  
San Diego CA 92154

## 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**

Lockheed Martin RMS Michael La Crue II 1330 30th Street, Suite E, San Diego, CA 92154

**EQUIPMENT DESCRIPTION**

Adhesive material application operation. Utilizing mechanically atomized spray equipment to apply Rule 67.21 compliant adhesive materials. Conducted on exterior surfaces of marine vessels while on piers or docks at the following shipyards:  
BAE Systems (2205 Belt Street, San Diego, CA 92113),  
NASSCO (2798 East Harbor Drive, San Diego, CA 92113),  
32nd Street Naval Station (3455 Senn Rd, San Diego, CA 92113)

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 [27V] Adhesive Materials Application Station

BEC: APCD2021-CON-001867

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

**A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. Total emissions of volatile organic compounds (VOC) from the above operation shall be less than ten (10) pounds per day. [Rule 20.2]
2. Total emissions of volatile organic compounds (VOC) and toxic air contaminants (TAC) from the above operation shall be documented. These records shall be made available to the host site or the District upon request. [Rule 20.2, Rule 1200, Rule 21]
3. The adhesive operation described above shall only be conducted and operated at the piers and docks of the stationary sources listed in the equipment description. [Rule 1200, Rule 20.2, Rule 20.3, Rule 21]
4. All equipment and/or materials associated with air contaminant emissions from this operation or that affects the air contaminant emissions shall not deviate from the above equipment description. The permittee shall submit an application to the District and wait for approval in writing prior to modifying any such equipment. [Rule 10]

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**Sectors:** 5, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2021-APP-006864

**PERMIT ID**  
**APCD2021-PTO-004006**  


5. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in this adhesive materials application operation shall comply with Rule 67.21 requirements. [Rule 67.21]
6. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. [Rule 67.17]
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. [Rule 67.21]
8. 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]
9. 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]
10. 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. 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, Rule 21]
11. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.21]
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.



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**Sectors:** 5, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2021-APP-006864

**PERMIT ID**  
**APCD2021-PTO-004006**

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, Q  
**Site ID:** APCD2022-SITE-04124  
**App ID:** APCD2024-APP-008214

**PERMIT ID**  
**APCD2023-PTO-004615**

VRC Metal Systems, LLC.  
Jeremy Hall  
155 W 35th St, Suite E,F  
National City CA, 91950

**EQUIPMENT ADDRESS**  
VRC Metal Systems, LLC.  
Jeremy Hall  
155 W. 35th St, Suite E, F  
National City CA 91950

## **PERMIT TO OPERATE**

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**Sectors:** 5, Q  
**Site ID:** APCD2022-SITE-04124  
**App ID:** APCD2024-APP-008214

**PERMIT ID**  
**APCD2023-PTO-004615**

**EQUIPMENT OWNER**

VRC Metal Systems, LLC. 600 N. Ellsworth Rd., Box Elder, SD 57719

**EQUIPMENT DESCRIPTION**

Cold spray supersonic particle deposition equipment and materials may be operated as follows:

Location: BAE Systems (1401 Sampson Street, San Diego, CA 92113)  
Cold spray material: VRC CU04

One (1) temporary glovebox enclosure sealed with welding cloth blankets and robotic arm shift boot  
Model: Custom  
Dimensions: 6ft L x 3ft W x 4ft H

Location: Naval Base San Diego Pier 7 (South 32nd Street, San Diego, CA 91950)  
Cold spray material: VRC CU04

One (1) temporary sealed enclosure  
Model: Custom  
Dimensions: 10ft L x 8ft W x 4ft H

Spray Equipment: Supersonic de Laval nozzle applicator  
Manufacturer: VRC Metal Systems, LLC.  
Model: Raptor V003676  
S/N: VDR0003; VDR0017

Control Device: Vark Portable Dust Collector wet type 3-stage filtering system equipped with HEPA filter and mist eliminator  
Manufacturer: VRC Metal Systems, LLC.  
Model: VRC003783  
S/N: VDC0008  
Collector Dimensions: 28" x 25" x 45"  
Blower Dimensions: 24" x 24" x 30"  
Exhaust: 1,000 CFM

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-002016

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

**A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. The cold spray operation described in this permit shall only be conducted and operated at the locations of the stationary sources listed in the equipment description. [Rule 1200, Rule 20.2, Rule 20.3, Rule 21]
2. All equipment and materials associated with air contaminant emissions from this operation or that affects the air contaminant emissions shall not deviate from the above equipment description. The permittee shall submit an application to the District and wait for approval in writing prior to modifying any such equipment or materials. [Rule 10]



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
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**APCD2023-PTO-004615**  


4. Hourly emissions of toxic air contaminants (TACs), as defined in District Rule 1200 (Revisions Effective 02/26/2021), shall not exceed any of the following limits:

- a. Copper (CAS #: 7440-50-8): 2.12E-04 lbs/hour
- b. Nickel (CAS #: 7440-02-0): 4.82E-05 lbs/hour

Compliance with these limits shall be demonstrated through record keeping and District defined emissions calculation method established in the conditions of this Permit. [Rule 1200, Rule 21]

5. Annual emissions of toxic air contaminants (TACs), as defined in District Rule 1200 (Revisions Effective 09/19/2023), shall be limited to the following, per twelve (12) consecutive month period:

BAE (1401 Sampson Street, San Diego, CA 92113)

- a. Hexavalent Chromium (Cr(VI), CAS #: 18540-29-9): 8.34E-04 lbs/year
- b. Nickel (CAS #: 7440-02-0): 2.17E-03 lbs/year

NBSD Pier 7 (South 32nd Street, San Diego, CA 92136)

- c. Hexavalent Chromium (Cr(VI), CAS #: 18540-29-9): 1.11E-03 lbs/year
- d. Nickel (CAS #: 7440-02-0): 2.89E-03 lbs/year

Compliance with these limits shall be demonstrated through record keeping and District defined emissions calculation method established in the conditions of this Permit. [Rule 1200, Rule 21]

11. Differential pressure gauges shall be installed across the enclosure and control device's wet and dry particulate filter system and be operational at all times to measure the pressure differential across the system. Pressure differential across the enclosure and filter media must be maintained between the following limits per manufacturer specifications:

NBSD Pier 7 (South 32nd Street, San Diego, CA 92136) enclosure: -0.1 and -0.5 inches of water  
Water Scrubber, Mist Eliminator, and HEPA Filter: 7.5 and 22.5 mbar

Pressure differential for the enclosure and filter system shall be continuously monitored and if the system's pressure differential is outside of the specified limits, the owner or operator must take corrective actions such as evaluating the filter system for high water level in the scrubber and correcting when safely able to do so or shutting down the cold spraying operation. If the system is shut down the cold spraying operation must not be resumed until the pressure differentials are within the specified limit(s). Any corrective action, filter removal, replacement, or maintenance shall be recorded on the date it occurred and daily records shall be kept for each system's pressure differential when equipment is in operation. [Rule 50, Rule 1200]

16. The permittee shall maintain record keeping for this operation. The records shall include the following information:

- a. Hourly and Annual usage records of all materials used for cold spray metal deposition operation
  - b. Current manufacturer specification sheets, material safety data sheets (SDS), product data sheets, or technical bulletins for all materials used in cold spray metal deposition operation
  - c. Daily records of operating temperatures per material applied
  - d. Daily pressure differentials for the dust collector's filter system
  - e. Daily pressure differentials for the enclosure system at NBSD Pier 7
  - f. Maintenance and repair records for any of the equipment described in this permit
- [Rule 1200, Rule 21]

17. All required records for this operation shall be maintained on-site for at least three (3) years and shall be made available to the District upon request. [Rule 21]

18. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall apply for and obtain an Authority to Construct for all such modifications. [Rule 51]

**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, Q  
**Site ID:** APCD2022-SITE-04124  
**App ID:** APCD2024-APP-008214

**PERMIT ID**  
**APCD2023-PTO-004615**  


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**

3. Cold spray material usage for this equipment shall not exceed the following:  
13.3 lbs/hour and 600 lbs/year of material CU04 at BAE (1401 Sampson Street, San Diego, CA 92113); and  
13.3 lbs/hour and 799 lbs/year of material CU04 at Naval Base San Diego Pier 7 (South 32nd Street, San Diego, CA 92136) [Rule 1200]
6. Hexavalent Chromium, Copper, and Nickel emissions shall be calculated as follows:  
Emissions/Hour =  $U \times W \times F$   
Where U = Usage of metal-containing material (Lb material/hour or Lb material/year)  
W = Weight fraction of metal in material per SDS (Lb metal/Lb material)  
F = Emission factors for Cold Spray
- Cr(VI) =  $2.01E-06$  (Lb Cr(VI) emitted/Lb material sprayed)  
Copper =  $9.35E-05$  (Lb Cu emitted/LB Cu sprayed)  
Nickel =  $2.13E-05$  (Lb Ni emitted/Lb material sprayed)  
[Rule 1200]
7. Operating temperatures for the cold spray metal deposition process shall not exceed the melting point temperature of materials sprayed. The owner or operator shall maintain current technical specifications containing each sprayed material's melting point and keep daily records of operating temperatures per material applied. [Rule 1200]
8. With the exception of chrome, copper, and nickel, metal deposition coating materials containing and emitting toxic air contaminants (TAC's) listed in District Rule 1200 shall not be used (i.e.; cadmium, beryllium, lead, etc.). [Rule 1200]
9. The Vark Dust Collector control system shall be operated at all times when the cold spray metal deposition process is in operation. [Rule 1200]
10. This equipment shall be vented to certified high efficiency particulate air filters (HEPA), with a minimum control efficiency of 99.97% for all particles greater than 0.3 microns. A copy of the documentation demonstrating the filters installed meet HEPA standards shall be maintained on site and shall be made available to the District upon request. [Rule 1200]
12. When spraying is performed, all air inlets and access openings must be covered to prevent the escape of dust or mist contaminants into areas outside the enclosure. This requirement does not apply to any designed or intended make-up air vents or openings. [Rule 1200]
13. Before the enclosure is opened, spraying must cease and the exhaust system must be run for a sufficient period of time to remove contaminated air within the enclosure. [Rule 1200]
14. The VRC cold spray system shall be operated and maintained in accordance with manufacturer's instructions at all times. A copy of the manufacturer's instructions shall be maintained on site and made available to the District upon request. [Rule 1200]
15. Air pollution control equipment shall be maintained in good operating condition by the owner or operator in accordance with manufacturer's instructions at all times. A copy of the manufacturer's instructions shall be maintained on site and made available to the District upon request. [Rule 1200]
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.]



**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, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2023-APP-007984

**PERMIT ID**  
**APCD2024-PTO-004994**

Lockheed Martin RMS  
Chantal Eivaz  
1330 30th Street, Suite E  
San Diego CA, 92154

**EQUIPMENT ADDRESS**

Lockheed Martin RMS  
Chantal Eivaz  
1330 30th Street, Suite E  
San Diego CA 92154

## 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**

Lockheed Martin RMS Chantal Eivaz 1330 30th Street, Suite E, San Diego, CA 92154

**EQUIPMENT DESCRIPTION**

Adhesive material application operation for Vertical Launch System (VLS): Conducted inside the launcher room while on piers or docks at the following shipyards

BAE Systems (2205 Belt Street, San Diego, CA 92113),  
NASSCO (2798 East Harbor Drive, San Diego, CA 92113),  
and 32nd Street Naval Station (3455 Sean Renn Rd, San Diego, CA 92113)

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: APCD2024-CON-002144

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

**A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS**

1. Total emissions of volatile organic compounds (VOC) from the above operation shall be less than ten (10) pounds per day. [Rule 20.2]
2. Total emissions of volatile organic compounds (VOC) and toxic air contaminants (TAC) from the above operation shall be documented. These records shall be made available to the host site or the District upon request. [Rule 1200, Rule 20.2, Rule 21]
3. The adhesive operation described above shall only be conducted and operated at the piers and docks of the stationary sources listed in the equipment description. [Rule 1200, Rule 20.2, Rule 20.3, Rule 21]
4. All equipment and/or materials associated with air contaminant emissions from this operation or that affects the air contaminant emissions shall not deviate from the above equipment description. The permittee shall submit an application to the District and wait for approval in writing prior to modifying any such equipment. [Rule 10]

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**Sectors:** 5, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2023-APP-007984

**PERMIT ID**  
**APCD2024-PTO-004994**  


5. Adhesive materials, adhesive bonding agents, stripping, surface preparation, and cleaning materials used in this adhesive materials application operation shall comply with Rule 67.21 requirements. [Rule 67.21]
6. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. [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. [Rule 67.21]
8. The permittee shall not apply more than 20 gallons of adhesive materials at any stationary source in a consecutive 12-month period for Vertical Launch System (VLS) upgrade operations. The permittee shall maintain monthly purchase and daily usage records of all adhesive operation materials containing volatile organic compounds (VOC) for each stationary source. [Rule 67.3]
9. 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]
10. 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]
11. 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, including location of material use;
  - c. 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. [Rule 67.21, Rule 21]
12. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. [Rule 67.21]
13. 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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**www.sdapcd.org**

**Sectors:** 5, S  
**Site ID:** APCD2021-SITE-03766  
**App ID:** APCD2023-APP-007984

**PERMIT ID**  
**APCD2024-PTO-004994**

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

14. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
15. 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**  
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**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2022-APP-007489

**PERMIT ID**  
**APCD2024-PTO-005036**

BAE Systems SDSR  
2205 E Belt St, Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Vera Mitrofski  
2205 E Belt St, Foot of Sampson  
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

BAE Systems SDSR 2205 E Belt St, Foot of Sampson, San Diego, CA 92113

### EQUIPMENT DESCRIPTION

Emergency Diesel Engine Generator  
Serial Number E002-064715  
Manufacturer: Iveco/ FPT  
S/N: 064715-F2C  
Engine Family: NFPXL08.7TR3  
Model: F2CE9685A-E  
Model Year: 2022  
Tier 3  
Horsepower (maximum rated): 389 BHP  
Driving a 250-kW emergency electrical generator.  
5-inch diameter vertical exhaust with flapper-type rain cap, 7.9 feet above ground.

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] 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**

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing. [Rule 69.4.1, Rule 12, 17 CCR 93115]
3. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. [17 CCR 93115, Rule 1200, 20.2]
4. This engine shall only use CARB diesel fuel. [Rule 12, Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII]



**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:** APCD1980-SITE-00204**App ID:** APCD2022-APP-007489**PERMIT ID****APCD2024-PTO-005036**

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

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**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2022-APP-007489

**PERMIT ID**  
**APCD2024-PTO-005036**  


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]
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**

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]
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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**10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649**  
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**www.sdapcd.org**

**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2018-APP-005391

**PERMIT ID**  
**APCD2021-PTO-003681**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**  
BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, 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-001777

### **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 3.72 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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**PERMIT ID**  
**APCD2021-PTO-003681**  


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 4 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 4. [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]
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]

**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
**10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649**  
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**www.sdapcd.org**

**Sectors:** 5, P  
**Site ID:** APCD1980-SITE-00204  
**App ID:** APCD2018-APP-005391

**PERMIT ID**  
**APCD2021-PTO-003681**  


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]
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]
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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**App ID:** APCD2022-APP-007448

**PERMIT ID**  
**APCD2023-PTO-004489**

BAE Systems San Diego Ship Repair In  
Environmental Manager  
2205 East Belt Street  
Foot of Sampson  
San Diego CA, 92113

**EQUIPMENT ADDRESS**

BAE Systems SDSR  
Environmental Manager  
2205 E Belt St  
Foot of Sampson  
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**

BAE Systems SDSR 2205 E Belt St, San Diego, CA 92113

### **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 such 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: APCD2023-CON-001981

### **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]
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. [Rule 69.4.1, 17 CCR 93116]
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 2,150 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 121,000 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 20.2, Rule 1200]
4. Operation for testing and maintenance for each engine shall not exceed 50 hours per calendar year. [Rule 20.2, 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 20.2 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]
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].



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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]
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]
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**

6. Except during emergency operations, the engine operating locations shall be as presented "Figure 2-2. Location of Proposed Engines" submitted as part of the amendment application package for site-wide emergency engines, September 2022. [Rule 1200]
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]
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.]

## APPENDIX B: RULE REFERENCE TABLE

Rule Citation <sup>1</sup>	RULE TITLE	A/R <sup>2</sup>	District Adoption Date <sup>3</sup>	SIP FR Approval Date
	<b>REGULATION I - GENERAL PROVISIONS</b>			
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 <sup>†</sup>	09/22/72
5	Authority to Arrest	F	03/24/76 <sup>†</sup>	NA
6	Minor Violations	D	12/15/99	N/A
	<b>REGULATION II - PERMITS</b>			
10	Permits Required	F	07/25/95	03/11/98
10.1 <sup>††</sup>	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 <sup>††</sup>	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 <sup>†</sup>	N/A
23	Further Information	D	01/01/69 <sup>†</sup>	N/A
24	Temporary Permit to Operate	F	06/29/16	10/04/18
25	Appeals	F	01/01/69 <sup>†</sup>	09/22/72
25	Appeals	D	06/21/00	N/A

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
	<b>REGULATIONS III - FEES</b>			
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
	<b>REGULATIONS IV - PROHIBITIONS</b>			
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 Particulate 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
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 <sup>†</sup>	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 <sup>††</sup>	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
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
	<b>REGULATION V - PROCEDURES BEFORE THE HEARING BOARD</b>			
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
	<b>REGULATION VI - BURNING CONTROL</b>			
101	Burning Control	F	09/25/02	04/30/03
	<b>REGULATION VII - VALIDITY AND EFFECTIVE DATE</b>			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72
	<b>REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN</b>			
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		
<b>REGULATION IX - PUBLIC RECORDS</b>				
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
<b>REGULATION XII - TOXIC AIR CONTAMINANTS</b>				
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

<b>REGULATION XIV - TITLE V OPERATING PERMITS</b>				
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	02/27/04	02/27/04
		D	10/12/23	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
<b>REGULATION XV - FEDERAL CONFORMITY</b>				
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.

<b>Subpart &amp; Citation</b>	<b>RULE TITLE</b>	<b>District Adoption Date(s)</b>	<b>Federal Delegation Date</b>
<b>Part 60</b>	<b>REGULATION X - STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES</b>	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

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
<b>Part 61 REGULATION XI- NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)</b>			
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.

<b>Subpart &amp; Citation</b>	<b>RULE TITLE</b>
<b>DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)</b>	
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
<b>Part 63</b>	<b>DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES</b>
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/Standards
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
QQQQQQ	Wood Preserving Area Sources
VVVVVV	Chemical Manufacturing Area Sources
WWWWW	Plating and Polishing Operations Area Sources
XXXXXX	Metal Fabrication and Finishing Area Sources
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources
CCCCCCC	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 <sub>2</sub>	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 <sub>x</sub>	Oxides of nitrogen
O <sub>2</sub>	Oxygen
OES	Office of Environmental Services
O&M	Operation and maintenance
Pb	Lead
PM	Total Particulate Matter
PM <sub>10</sub>	Particulate matter with aerodynamic equivalent diameter of $\leq 10$ microns
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SDCAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SO <sub>x</sub>	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