



San Diego County
**Air Pollution
Control District**

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

TITLE V OPERATING PERMIT
APCD2025-TVP-00059

Issued To:

Marine Corps Air Station Miramar (MCAS Miramar)
Site ID # APCD1996-SITE-02771

Site Address:

MCAS Miramar
San Diego, CA 92145
(858) 307-6050

Mailing Address:

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P.O. Box 452509
San Diego, CA 92145

Responsible Official – Colonel Thomas M. Bedell, Commanding Officer, MCAS Miramar

Facility Contact – Vanessa Capestany, Director, Environmental Management Department

Permit Information Contact – Vanessa Capestany, Director, EMD

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]

7.

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	11	Exemptions
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	20	New Source Review
SDCAPCD Reg. II	20.1	New Source Review
SDCAPCD Reg. II	20.2	New Source Review
SDCAPCD Reg. II	20.3	New Source Review
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. II	24	Temporary Permit to Operate
SDCAPCD Reg. II	25	Appeals
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98*	Breakdown Conditions: Emergency Variance
SDCAPCD Reg. VI	101	Burning Control

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

B. GENERAL PROHIBITORY REQUIREMENTS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions

SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	52	Particulate Matter
SDCAPCD Reg. IV	53	Specific Contaminants
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	66.1	Misc. Surface Coating Operations & other Processes Emitting VOC
SDCAPCD Reg. IV	67.0.1	Architectural Coatings
SDCAPCD Reg. IV	67.3	Metal Parts Coating
SDCAPCD Reg. IV	67.6.1	Cold Solvent Cleaning and Stripping Operations
SDCAPCD Reg. IV	67.9	Aerospace Coatings
SDCAPCD Reg. IV	67.17	Open VOC Containers
SDCAPCD Reg. IV	67.20.1	Motor Vehicle & Mobile Equipment Coating Operations
SDAPCD Reg. IV	68	Fuel-Burning Equipment-Oxides of Nitrogen
SDCAPCD Reg. IV	69.4.1	Stationary Internal Combustion Engines – BARCT
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. XII	1200*	Toxic Air Contaminants – New Source Review
SDCAPCD Reg. XII	1206	Asbestos Removal, Renovation, and Demolition
40 CFR Part 60	Subpart A	NSPS General Provisions
40 CFR Part 60	Subpart IIII	Stationary Compression Ignition Internal Combustion Engines NSPS
40 CFR Part 61	Subpart M	NESHAP - Asbestos
40 CFR Part 63	Subpart A	NESHAP General Provisions
40 CFR Part 63	Subpart ZZZZ	Reciprocating Internal Combustion Engines
40 CFR Part 82	Subpart A	Production and Consumption Controls
40 CFR Part 82	Subpart B	Servicing of Motor Vehicle Air Conditioners
40 CFR Part 82	Subpart F	Services of Other Air Conditioners
California Code of Regulations (CCR) Title 17	93115*	ATCM for Stationary Compression Ignition Engines

**Not federally enforceable*

C. PERMIT SHIELDS

1. The applicant has not requested any permit shields.

D. 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. DISTRICT PERMITTED EMISSION UNITS

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

EU Reference	Source
APCD1997-PTO-960119	Aircraft Engine Test Cell/Stand
APCD1997-PTO-960120	Aircraft Engine Test Cell/Stand
APCD1998-PTO-960118	Aircraft Engine Test Cell/Stand
APCD1999-PTO-008199	Aircraft Engine Test Cell/Stand
APCD1999-PTO-040490	Aircraft Engine Test Cell/Stand
APCD2000-PTO-960121	Aircraft Engine Test Cell/Stand
APCD2000-PTO-960122	Aircraft Engine Test Cell/Stand
APCD2000-PTO-960123	Aircraft Engine Test Cell/Stand

APCD1999-PTO-005642	Coating
APCD2002-PTO-020133	Coating
APCD2002-PTO-020134	Coating
APCD2002-PTO-020135	Coating
APCD2002-PTO-020136	Coating
APCD2002-PTO-020137	Coating
APCD2002-PTO-020138	Coating
APCD2002-PTO-020139	Coating
APCD2002-PTO-020143	Coating
APCD2006-PTO-960125	Coating
APCD2006-PTO-960127	Coating
APCD2021-PTO-003742	Coating
APCD2012-PTO-001080	Grinding Booth
APCD1999-PTO-920694	Metal Inspection Tank
APCD2021-PTO-004105	Metal Inspection Tank
APCD2008-PTO-920689	Solvent Degreasing
APCD2008-PTO-920690	Solvent Degreasing
APCD2008-PTO-920693	Solvent Degreasing
APCD2008-PTO-930473	Solvent Degreasing
APCD2008-PTO-970080	Solvent Degreasing
APCD2008-PTO-973992	Solvent Degreasing
APCD2008-PTO-978846	Solvent Degreasing
APCD2008-PTO-981359	Solvent Degreasing
APCD2008-PTO-985803	Solvent Degreasing
APCD2015-PTO-002389	Solvent Degreasing
APCD2015-PTO-002390	Solvent Degreasing
APCD2015-PTO-002391	Solvent Degreasing
APCD2016-PTO-002724	Solvent Degreasing
APCD2024-PTO-004819	Solvent Degreasing
APCD2024-PTO-004856	Solvent Degreasing
APCD2024-PTO-004945	Solvent Degreasing
APCD2024-PTO-005061	Solvent Degreasing
APCD2024-PTO-005064	Solvent Degreasing
APCD2019-PTO-003275	Emergency Engine
APCD2019-PTO-003366	Emergency Engine
APCD2019-PTO-003367	Emergency Engine
APCD2020-PTO-003560	Emergency Engine
APCD2021-PTO-003721	Emergency Engine

B. REGISTERED AND LEASED EMISSION UNITS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. II	19.2	Continuous Emission Monitoring Requirements
SDCAPCD Reg. II	Rule 20.1; Rule 20.3; Rule 20.5	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.

D. INACTIVE EMISSION UNITS AND ACTIVITIES

The emission units listed under this section are not operational and permit conditions do not allow operation of the equipment without modification of this permit.

EU Reference	Source
APCD2007-PTO-005822	Abrasive Blasting
APCD2007-PTO-960117	Aircraft Engine Test Cell/Stand
APCD2007-PTO-008250	Miscellaneous
APCD2007-PTO-040306	Miscellaneous
APCD2007-PTO-005641	Coating
APCD2007-PTO-005643	Coating
APCD2007-PTO-870297	Coating

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



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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1996-APP-960119

PERMIT ID
APCD1997-PTO-960119

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Check Pad No. 8126, used to stage one expeditionary Test Stand Model No. AE37T-26 to test Garrett Model GTC-36-200 Gas Turbines; operated by Marine Air Logistics Support Eleven (MAL-11); located near Bldg. 8461; check pad is stationary; test stand, associated instrumentation and above ground fuel tank are portable and can be deployed for national defense purposes. (960119AFS24NOV1997)(989244 ALC 07/10)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000100

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The test cell operation shall be limited to testing a maximum of two hundred forty (240) Garrett Model GTC-36-200 gas turbines during any calendar year. (Rule 20.2)
2. The test cell operation shall be limited to testing a maximum of ten (10) Garrett Model GTC-36-200 gas turbines during any calendar day. (Rule 20.2)
3. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
4. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)
5. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1996-APP-960119

PERMIT ID
APCD1997-PTO-960119


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

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
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Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
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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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Check Pad No. 8127, used to stage one expeditionary Test Stand Model No. AE37T-17 to test General Electric Model T56 Gas Turbines; with associated instrumentation and above ground fuel tank; operated by Marine Air Logistics Support Eleven (MAL-11); located near Bldg. 8461; check pad is stationary; test stand, associated instrumentation and above ground fuel tank are portable and can be deployed for national defense purposes. (960120AFS24NOV1997)(989244 ALC 07/10)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000101

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The test cell operation shall be limited to testing a maximum of one hundred (100) Model T56 gas turbines during any calendar year. (Rule 20.2)
2. The test cell operation shall be limited to testing a maximum of three (3) T56 gas turbines during any calendar day. (Rule 20.2)
3. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
4. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)
5. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)



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Sectors: 3, H
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PERMIT ID
APCD1997-PTO-960120


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

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Site ID: APCD1996-SITE-02771
App ID: APCD1996-APP-960118

PERMIT ID
APCD1998-PTO-960118

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Check Pad No. 8125, used to stage one expeditionary Test Stand Model No. AE37T-26 to test General Electric Gas Turbine Models T62-11/27, with associated instrumentation and above ground fuel tank, test stand and fuel tank are portable; operated by Marine Air Logistics Support Sixteen (MALS-16); located near Bldg. 8461.
(960118AFS04NOV1988)(989244 ALC 07/10)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000099

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The test cell operation shall be limited to testing a maximum of two hundred forty (240) General Electric Models T62-11/27 gas turbines during any calendar year. (Rule 20.2)
2. The test cell operation shall be limited to testing a maximum of sixteen (16) General Electric Models T62-11/27 gas turbines during any calendar day. (Rule 20.2)
3. Records of engine operation and total monthly fuel usage shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
4. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)
5. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
APCD1999-PTO-005642

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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

AEROSPACE AND/OR METAL PARTS APPLICATION STATION: ONE (1) BINKS PAINT SPRAY BOOTH, 16'W x 16'L x 8'H, EQUIPPED WITH DRY FILTERS AND 5-HP EXHAUST FAN, USING HVLP SPRAY GUNS OR EQUIVALENT. LOCATED INSIDE BLDG 7550 (PAINT SHOP) 970296 (11/97)

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 [27K] Surface Coating Application Station

BEC: 0315A

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
3. Permittee shall operate the coating application station described above in compliance with all applicable standards of Rule 67.9(d), including application methods, surface preparation and cleanup requirements, coating VOC limits and application equipment cleanup requirements. [Rule 67.9]
4. If requested by the District or EPA, the applicable test methods listed in Rule 67.9(g) shall be used to determine compliance with the applicable standards of Rule 67.9(d). [Rule 67.9]
5. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d) shall not exceed 200 gallons per any consecutive twelve (12) month period for this stationary source. (Rule 67.9)
6. The permittee shall report to the District and EPA, on a semiannual basis, any instances where primers or topcoats used on aerospace parts exceeded the applicable Rule 67.9 VOC limits. [Rule 1421]

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PERMIT ID
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9. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20 C (68°F). (Rule 67.9)
10. Aerospace surface preparation or surface cleaning 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
11. Any cleaning of coating application equipment shall comply with at least one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.3, 67.9)
12. A person shall not use spray application equipment or any other means to dispose of waste coatings, coating components, surface preparation materials, or cleaning materials into the air or into filter media, except when momentarily purging coating material from a spray applicator cap immediately before or after applying the coating material. (Rule 67.9)
13. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat application, dip coat, roll coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or an equivalent application method that has been approved by the District in writing. Airless spray application is only allowed for aerospace coating operations when applying maskants and temporary coatings. (Rules 67.9/67.3)
14. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
15. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
16. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
17. At no time shall the subject equipment cause or contribute to a nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the applicant will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment, the applicant shall receive prior District approval by applying for and obtaining an authority to construct for all such modifications. (Rule 51)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
APCD1999-PTO-005642


18. The permittee shall maintain records for aerospace coating operation. Records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials, adhesives or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. manufacturer name and identification;
 2. mix ratio of components;
 3. VOC content per volume of coating less water and exempt compounds, as applied;
 4. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied;
 - b. daily usage records for each VOC containing material;
 - c. current safety data sheets (SDS), manufacturer's specifications or analytical data for all materials in use. SDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. [Rule 21]
19. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rule 21)
20. The VOC content of non-specialty coatings applied to metal parts and products subject to Rule 67.3 shall not contain more than 340 grams of VOC per liter for air dried coatings and not more than 275 grams of VOC per liter for baked coatings. Baked coatings shall be defined as any coating which is cured or dried in an oven where the oven air temperature exceeds 90 deg C (194 deg F). (Rule 67.3)
21. Metal surface preparation and clean-up materials shall meet one of the following requirements.
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68°F). (Rule 67.3)
22. 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)

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PERMIT ID
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23. The permittee shall maintain records for the metal coating operation in accordance with Rule 67.3. The records shall include 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 67.3(D)(2) and 67.3(D)(3), manufacturer name, manufacturer identification, VOC content and mix ratio;
 2. coating components shall specify manufacturer name, identification, VOC content and mix ratio;
 3. surface preparation materials and equipment cleaning materials shall specify manufacturer name and manufacturer identification, VOC content, vapor pressure and boiling point shall be listed as applicable,
 - b. current documentation to demonstrate applicability of any specialty coating category pursuant to subsection (D)(3) of Rule 67.3,
 - c. daily usage records of all materials containing VOC; and
 - d. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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);
 - e. type of application equipment used;
 - f. if applicable, all District approval documentation for coating application equipment, issued in accordance with Rule 67.3(d)(1)(viii). (Rules 67.3 and 21)
24. The permittee shall also maintain records of substrate/type of part (i.e. aerospace or metal parts) associated with any material usage records specified by this permit where a different standard is specified for each coating type and the material would not comply with the standards applicable to the other coating types. (Rule 67.3, 67.9)
25. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]
- B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**
7. Permittee shall not spray apply any coatings which contain inorganic TACs. (Rule 1200)
8. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)
26. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
27. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD1999-PTO-008199

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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Test cell a high performance jet engine with afterburner: acoustic concrete cell; instrumentation; test controls; ferrocene injection smoke controls Bldg 8545 970296 (11/97)

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 [20B] Aircraft Engine Test Cell/Stand
BEC: 11583

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Only F/A-18 engine types shall be operated in the test cell. Any other engine types to be tested shall receive written approval by the District prior to operation. (Rule 20.2)
2. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
3. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)
4. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD1999-PTO-008199

6. 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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
APCD1999-PTO-040490

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Test cell T-10 for high performance jet engines with afterburners, (Bldg 679): reinforced steel/concrete building for jet engine testing and noise control, 5 to 1 test cell dry augments tube with primary and secondary air inlets and short exhaust stack; fuel supply system; engine instrumentation and operator control room. Bldg 8679 970296 (11/97)

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 [20B] Aircraft Engine Test Cell/Stand

BEC: 11583

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Only F/A-18 engine types shall be operated in the test cell. Any other engine types to be tested shall receive written approval by the District prior to operation. (Rule 20.2)
2. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
3. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)
4. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
APCD1999-PTO-040490

6. 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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1992-APP-920694

PERMIT ID
APCD1999-PTO-920694

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

ONE (1) MAGNAFLUX MODEL H-810-G METAL INSPECTION TANK, 72"L X 31"W X 15"H, INTERNAL DIMENSIONS, S/N: 94064, EQUIPPED WITH GRATED COVER, & SPRAY DEVICE WITH CONTINUOUS LIQUID FLOW AND ONE (1) MAGNAFLUX MODEL ZA-28 PRE-DIP TANK, 33"L X 16"W X 15"H INT. DIM., S/N: MZ-68629, EQUIPPED WITH LID & SPRAY DEVICE WITH CONTINUOUS LIQUID FLOW BOTH OF WHICH USE A SUSPENSION OF MAGNAFLUX POWDER IN NAPHTHA OR MINERAL OIL. 970296 (11/97)

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 [28J] Metal Inspection Tanks

BEC: 0343G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. The metal inspection tank shall be installed and maintained in good working order. The ventilation system, if any, and emission control equipment shall be properly operating at all times when parts are being wetted. (Rule 1421)
4. Permittee shall comply with all applicable requirements in Rule 66.1 (Rule 66.1)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1992-APP-920694

PERMIT ID
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5. Volatile organic compounds (VOC) emissions from this operation shall be less than five (5) tons per calendar year, excluding emissions from surface preparation and solvent cleaning operations. (Rule 66.1)
6. Surface Preparation and Solvent cleaning operations, including wipe cleaning, shall meet 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; or
 - c. Limit the total usage of materials for surface preparation or solvent cleaning to be less than 550 gallons per calendar year for the stationary source. (Rule 66.1)
7. Permittee shall maintain records for this operation in accordance with Rule 66.1. The records shall include the following information:
 - a. current list of all materials used including the volatile organic compound (VOC) content and manufacturer name and identification. The VOC content shall be expressed in grams per liter (or pounds per gallon) of material as used;
 - b. mix ratio of components, if applicable;
 - c. material safety data sheet (MSDS) or manufacturer information for all materials used. The MSDS or manufacturer information shall include the manufacturer name and identification, VOC and toxic air contaminant (TAC) content, material density (weight per volume) or material specific gravity (material density relative to the density of water) for all materials used;
 - d. vapor pressure of all solvents used, if applicable to demonstrate compliance with Rule 66.1; and,
 - e. monthly purchasing or dispensing records and daily or monthly usage records of all materials used. (Rule 66.1 and 21)
8. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1999-APP-973754

PERMIT ID
APCD2000-PTO-960121

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Check Pad No. 8129, used to stage one expeditionary Test Stand Model No. AE37T-24V4 to test General Electric Model T58-16 Gas Turbines; with associated instrumentation and above ground fuel tank; operated by Marine Air Logistics Support Sixteen (MAL-16), Instrumentation Module S/N 4979-003; located near Bldg. 8461; all equipment is portable.
(960121AFS27MAY1998)(973754 GDS 9/99)(989244 ALC 07/10)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000102

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The combined testing of T58-16 engines in the test cells listed on Permit to Operate nos. 960121 and 960123 shall be limited to testing a maximum of one thousand eight hundred (1,800) model T58-16 gas turbines during any calendar year. (Rule 20.2)
2. The test cell operation shall be limited to testing a maximum of ten (10) T58-16 gas turbines during any calendar day. (Rule 20.2)
3. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
4. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)
5. The sulfur content of the fuel used for the engine testing in this test cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1999-APP-973754

PERMIT ID
APCD2000-PTO-960121


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

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2014-APP-003792

PERMIT ID
APCD2000-PTO-960122

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
Marine Corps Air Station (MCAS)
Luis Eria
MCAS Miramar Bld #8128
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Check Pad No. 8128, used to stage one (1) expeditionary Test Stand Model No. AE37T-24-A, Engine Test Trailer S/N 7025-002, to test General Electric Model T64-413/415/416/416A/419 Gas Turbines; with associated instrumentation and above ground fuel tank, Instrumentation Module S/N 7025-006; operated by Marine Air Logistics Support Sixteen (MALS-16); all equipment is portable.
(960122AFS27MAY1998)(973771AFS30AUG1999)(974498AFS22FEB2000)(989244 ALC 07/10)(003792 CCN 6/15)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000098

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The combined maximum number of tests in the test cells listed on Permit to Operate Nos. 960122 and 960123 shall be no more than fifteen hundred seventy (1570) per calendar year. Only General Electric Model T64-GE-413/415/416/416A/419 gas turbines shall be tested. (Rule 20.2)
2. The test cell operation shall be limited to testing a combined maximum of ten (10) T64-413/415/416/416A/419 gas turbines during any calendar day. (Rule 20.2)
3. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)
4. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2014-APP-003792

PERMIT ID
APCD2000-PTO-960122

5. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)
6. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2009-APP-989244

PERMIT ID
APCD2000-PTO-960123

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

PERMIT TO OPERATE

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

EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Twin Engine Turbo Test Cell to test General Electric Gas Turbine Models T58-GE Series and T64-GE Series.
(960123AFS21AUG2000)(989244 ALC 07/10)

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

Fee Schedules: 1 [20B] Aircraft Engine Test Cell/Stand

BEC: APCD2010-CON-000097

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The total number of General Electric Model T58-GE-Series Gas Turbines that can be tested in the test cells listed on Permit To Operate nos. 960121 and 960123 shall be limited to eighteen hundred (1800) during any calendar year. (Rule 20.2)
2. The total number of General Electric Model T64-GE-Series Gas Turbines that can be tested in the test cells listed on Permit To Operate nos. 960122 and 960123 shall be limited to fifteen hundred seventy (1570) during any calendar year. (Rule 20.2)
3. The test cell operation shall be limited to testing a maximum (10) each of General Electric Model T58-GE-Series Gas Turbines during any calendar day. (Rule 20.2)
4. The test cell operation shall be limited to testing a maximum of ten (10) each of General Electric Model T64-GE-Series gas turbines during any calendar day. (Rule 20.2)
5. Records of engine operation and total fuel usage per engine test shall be maintained for at least 3 years at the testing facility. (Rule 20.2)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2009-APP-989244

PERMIT ID
APCD2000-PTO-960123

6. Records of engine operation and total fuel usage per engine test shall be maintained and made available to the District for inspection upon request. (Rule 20.2)
7. The sulfur content of the fuel used for the engine testing in this Test Cell shall not exceed 0.3% by weight. Records of the sulfur content of the fuel for each fuel delivery shall be maintained and made available to District personnel upon request. (Rule 20.2)
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: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020133

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PERMIT TO OPERATE

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

EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns; paint storage area. Bldg 9670 SW of Hangar 6. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020133



5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020133

11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020134

MCAS Miramar
Environmental Engineer Luis Eria
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USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns; paint storage area. Bldg 9570, SW of Hangar 5 Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020134



5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020134

11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
APCD2002-PTO-020135

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EQUIPMENT ADDRESS
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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns; paint storage area, Bldg 9470. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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PERMIT ID
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5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-970296

PERMIT ID
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11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020136

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft coating station, outside: paint spray guns storage. SW of Bldg 9500, Hangar 3. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness).

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020136



5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1997-APP-920796

PERMIT ID
APCD2002-PTO-020136

11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020137

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EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft coating station, outside: paint spray guns storage, Bldg. 9770, Hangar 7. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
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5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020137

11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020138

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns, paint storage area. Bldg 9222, West of Hangar 2. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020138



5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2002-PTO-020138


11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-006074

PERMIT ID
APCD2002-PTO-020139

MCAS Miramar
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EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Luis J Eria
45249 Miramar Wy Bldg 9270
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer Director S7/EMD PO Box 452509, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns, paint storage area, East of Bldg 9277, Hangar 1 & Hangar A.
Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



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11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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App ID: N/A

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APCD2002-PTO-020143

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aircraft parts coating, outside (top coating): paint spray guns, paint storage area. Functional Group: 3rd Marine Air Wing (3rd MAW) (Combat Readiness)

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 [27K] Surface Coating Application Station
BEC: 0709G

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
4. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing might be used. (Rule 67.9)

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5. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
6. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
7. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F). (Rule 67.9)
8. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
9. VOC-containing materials used to clean application equipment shall meet one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68° F); or
 - d. the cleaning material is flushed of rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials are being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
10. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily or monthly usage records for each VOC containing material;
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9)



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11. All records required by this permit shall be kept for a minimum of three (3) years and made available to District personnel upon request.
12. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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App ID: APCD2010-APP-001343

PERMIT ID
APCD2006-PTO-960125

MCAS Miramar
Environmental Engineer Luis Eria
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EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aerospace coating and automotive refinishing operations consisting of:
One (1) enclosed 42' L x 16' W x 23' H spray booth with 25,000 CFM exhaust.
Manufacturer: Bleeker Brothers
Model: TA-634-T-LH
Functional group: Third Marine Air Wing (3rd MAW Combat Readiness)

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 [27K] Surface Coating Application Station

BEC: APCD2012-CON-000513

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. Except as provided in Rule 67.20.1(b), all motor vehicle and mobile equipment coatings used in this operation shall comply with the VOC content limits of 67.20.1(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
3. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)

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4. The average amount of VOC-containing materials used in the above operation shall not exceed twenty (20) gallons per day. The average daily usage shall be calculated by dividing the total usage of VOC-containing materials in a calendar month by the number of days on which VOC-containing materials are used in the operation in that calendar month. (Rule 20.2)
8. For the purposes of this permit to operate, coating operations is defined as application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.2 and 1200)
9. All coating operations shall be conducted in the spray booth specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rule 1200, 1421)
10. All doors of the spray booth described above shall remain closed at all times when coating operations are being conducted, except when personnel are entering or exiting the paint booth. (Rules 1200, 1421)
11. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat application, dip coat, roll coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or an equivalent application method that has been approved by the District in writing. Airless spray application is only allowed for aerospace coating operations when applying maskants and temporary coatings. (Rules 67.9 and 67.20.1)
12. For all application equipment subject to Rule 67.9(d)(2)(vii) or Rule 67.20.1(d)(3)(vii), the applicant shall operate the equipment in accordance with written District approval for coating application equipment. (Rules 67.9 & 67.20.1)
13. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
14. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
15. The use of chemical agent resistant coatings on military tactical support vehicles and equipment shall not exceed 20 gallons per any consecutive twelve (12)-month period for the entire stationary source. (Rule 67.20.1)
16. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d), in aerospace coating operations, shall not exceed 200 gallons per any consecutive twelve (12) month period for this stationary source. (Rule 67.9)
17. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d), in aerospace coating operations, and which are used exclusively for purposes of research and development, including coatings applied to mock-ups and prototypes, shall not exceed 50 gallons per any consecutive twelve (12)-month period for this stationary source. The research and development coating usage limit does not apply to the non-compliant coating usage limit. (Rule 67.9)
18. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20 C (68 F). (Rule 67.9)
19. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)

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20. When conducting any operations subject to Rule 67.20.1, permittee shall not use any material for surface preparation or any other surface cleaning unless its VOC content is 25 grams or less per liter of material (0.21 lbs/gal), as applied. This VOC content limitation shall not apply to any cleaning material used for the removal of dust, wax, grease, tar, or bugs provided that:
- a. the VOC content of cleaning material does not exceed 780 grams per liter (6.5 lbs/gal), and
 - b. the cleaning material is applied by non-aerosol, hand-held spray container, and
 - c. not more than 20 gallons per calendar year of such cleaning material are used at the stationary source. (Rule 67.20.1)
21. Any cleaning of coating application equipment in the aerospace coating operation shall comply with at least one of the following requirements:
- a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190 C (374 F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20 C (68 F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
22. Any cleaning of coating application equipment, used in operations subject to Rule 67.20.1, shall comply with one of the following requirements:
- a. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and the application equipment or equipment parts shall be cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning material is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - b. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining process shall be used; or
 - c. the cleaning material shall not contain any exempt compounds and the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings. (Rule 67.20.1)

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23. The Permittee shall maintain records for automotive refinishing coating operation in accordance with Rule 67.20.1 and for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
- a. current list of all materials containing VOC and/or TACs, including coatings, coating components, strippers, thinners, maskants, temporary coatings, and cleaning materials in use. This list shall provide the data necessary to evaluate compliance, including but not limited to:
 1. type and/or applicable category specified in Rule 67.9(d)(1), (d)(3), (d)(4), and (d)(5) or Rule 67.20.1(d)(1) for each material including material name, manufacturer, manufacturer identification, and mix ratios; and
 2. VOC content (actual and regulatory, as applied) per volume of coatings; and
 3. VOC content per volume of material (as applied), total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning, and equipment cleaning material, as applicable to demonstrate compliance with Rules 67.9 and 67.20.1; and
 4. for each multi-stage maskant, the applicable maskant category specified in Rule 67.9(d)(1), and the manufacturer identification of the component coatings that comprise the multi-stage maskant.
 - b. monthly purchase records of coatings and cleaning materials identifying the coating category specified in Rule 67.20.1(d)(1), name and volume of material purchased for the automotive refinishing coating operation.
 - c. daily or monthly usage records of each material containing VOCs. If monthly usage records are maintained, the number of operating days per calendar month shall be recorded.
 - d. daily usage of coating containing nickel and number of hours per day in which coating containing nickel are applied.
 - e. the Material Safety Data Sheet (MSDS) or manufacturer information for all materials used (including but not limited to coatings, precoats, primers, catalysts, thinners, additives, surface preparation materials, equipment cleaning materials, etc...). The MSDS or manufacturer information shall include the manufacturer name and identification, VOC and TAC content, vapor pressure, boiling point, components of each material, and material density (weight per volume) or material specific gravity (material density relative to the density of water).
 - f. if applicable, all District approval documentation for coating application equipment, issued in accordance with Rule 67.9(d)(2)(vii) or Rule 67.20.1(d)(3)(vii). (Rules 67.9, 67.20.1 and 1200)
24. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
25. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
26. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]
27. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
28. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

5. Materials containing hexavalent chromium, cadmium, lead, copper, beryllium, manganese, or arsenic shall only be applied when using non-atomizing application technology. Materials containing hexavalent chromium and cadmium shall only be applied to aerospace components. For the purposes of this condition, non-atomizing application technology includes brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
6. The permittee shall not use or possess hexavalent chromium (chromium VI) or cadmium pigmented coatings in any motor vehicle or mobile equipment refinishing operation. [Title 17 CCR, Section 93112 - Hexavalent chromium and Cadmium Air Toxic Control Measure - Motor Vehicle and Mobile Refinishing Coatings.]
7. Nickel emissions from this coating operation shall not exceed 0.01 lb per hour and 5.63 lbs per any twelve (12) consecutive month period. (Rule 1200)



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App ID: APCD2018-CCR-0041

PERMIT ID
APCD2006-PTO-960127

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aerospace coating operation consisting of:
One (1) enclosed 35' L x 17' W x 23' H spray booth with 25,000 CFM exhaust.
Manufacturer: Bleeker Brothers
Model: TA-634-T-LH
Functional group: Third Marine Air Wing (3rd MAW Combat Readiness)

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 [27K] Surface Coating Application Station

BEC: APCD2012-CON-000514

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)

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3. The average amount of VOC-containing materials used in the above operation shall not exceed twenty (20) gallons per day. The average daily usage shall be calculated by dividing the total usage of VOC-containing materials in a calendar month by the number of days on which VOC-containing materials are used in the operation in that calendar month. (Rule 20.2)
6. For the purposes of this permit to operate, aerospace coating operations are defined as the application of any materials containing volatile organic compounds (VOCs) and/or toxic air contaminants (TAC), including coating, masking, bonding, surface preparation, stripping, and any cleaning (including equipment cleaning), drying of coated substrate (i.e. dry to the touch), and paint mixing. (Rules 20.2 and 1200)
7. The aerospace coating operations described above shall be conducted in the booth specified above, when the exhaust fans and exhaust filters are installed and operating properly. (Rules 20.2 and 1200)
8. All doors of the spray booth described above shall remain closed at all times when coating operations are being conducted, except when personnel are entering or exiting the paint booth. (Rules 1200)
9. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat, dip coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or airless spray application for use with maskants and temporary coatings only. Alternatively, an equivalent application method that has been approved by the District in writing may be used. (Rule 67.9)
10. For all application equipment subject to Rule 67.9(d)(2)(vii), the applicant shall operate the equipment in accordance with written District approval for coating application equipment. (Rule 67.9)
11. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
12. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
13. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d), in aerospace coating operations, shall not exceed 200 gallons per any consecutive twelve (12) month period for this stationary source. (Rule 67.9)
14. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d), in aerospace coating operations, and which are used exclusively for purposes of research and development, including coatings applied to mock-ups and prototypes, shall not exceed 50 gallons per any consecutive twelve (12)-month period for this stationary source. The research and development coating usage limit does not apply to the non-compliant coating usage limit. (Rule 67.9)
15. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20° C (68° F).(Rule 67.9)
16. Aerospace 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials.(Rule 67.9)

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17. Any cleaning of coating application equipment in the aerospace coating operation shall comply with at least one of the following requirements:
- a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190° C (374° F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20° C (68° F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere.
(Rule 67.9)
18. The Permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9. The records shall include the following information:
- a. current list of all materials containing VOC and/or TACs, including coatings, coating components, strippers, thinners, maskants, temporary coatings, and cleaning materials in use. This list shall provide the data necessary to evaluate compliance, including but not limited to:
 1. type and/or applicable category specified in Rule 67.9(d)(1), (d)(3), (d)(4), and (d)(5) for each material including material name, manufacturer, manufacturer identification, and mix ratios; and
 2. VOC content (actual and regulatory, as applied) per volume of coatings; and
 3. VOC content per volume of material (as applied), total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material as applicable to demonstrate compliance; and
 4. application method (brushes, rollers, flow coating, dip coating, touch up markers or marking pens) if applying any coating with TAC's such as: hexavalent chromium, cadmium, lead, copper, beryllium, manganese, or arsenic, and
 5. for each multi-stage maskant, the applicable maskant category specified in Rule 67.9(d)(1), and the manufacturer identification of the component coatings that comprise the multi-stage maskant.
 - b. daily or monthly usage records of each material containing VOCs. If monthly usage records are maintained, the number of operating days per calendar month shall be recorded.
 - c. daily usage of coating containing nickel and number of hours per day in which coatings containing nickel are applied.
 - d. the Material Safety Data Sheet (MSDS) or manufacturer information for all materials used (including but not limited to coatings, precoat, primers, catalysts, thinners, additives, surface preparation materials, equipment cleaning materials, etc...). The MSDS or manufacturer information shall include the manufacturer name and identification, VOC and TAC content, vapor pressure, boiling point, components of each material, and material density (weight per volume) or material specific gravity (material density relative to the density of water).
 - e. if applicable, all District approval documentation for coating application equipment, issued in accordance with Rule 67.9(d)(2)(vii).
- [Rules 67.9 and 1200]
19. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.

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20. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

4. The permittee shall only apply materials containing hexavalent chromium, cadmium, lead, copper, beryllium, manganese, or arsenic when using non-atomizing application technology including brushes, rollers, flow coating, dip coating, touch up markers or marking pens. (Rule 1200)
5. Nickel emissions from this coating operation shall not exceed 0.01 lb per hour and 5.63 lbs per any twelve (12) consecutive month period. (Rule 1200)
22. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
23. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 3, H
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APCD2008-PTO-920689

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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

COLD SOLVENT DEGREASING: MANUFACTURER: RAMCO, MODEL NO.: MK24, S/N: JB1538-05-055. SOLVENT: SEE ATTACHMENT AA NO: APP/970296 (11/97) (MODIFIED 06-08 SRH)

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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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

COLD SOLVENT DIP TANK (<5 SQ. FT. SURFACE AREA): MANUFACTURER: KLEER-FLO MODEL NO.: PW100G SERIAL NO.: 071 SOLVENT: SEE ATTACHMENT AA970296 (11/97)/NOAPP (MODIFIED 06-08 SRH)

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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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

COLD SOLVENT DEGREASER: MANUFACTURER: RAMCO, MODEL NO.: MK24, S/N: JB1538-05-058. SOLVENT: SEE ATTACHMENT AA NO: APP/970296 (11/97)(MODIFIED 06-08 SRH)

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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PERMIT ID
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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)
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

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)
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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2000-APP-974484

PERMIT ID
APCD2008-PTO-930473

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Cold Solvent Degreaser (<5 sq.ft.): Manufacturer: RAMCO Model: MK 24, S/N: JB2170-11-001. Internal Size: 24"L X 23"W X 21"H Solvent: See Attachment AA (NoApp Identical Replacement/JNH/Mar 2010)(974484/LKR/EZI/970296/930473 EZI) (MODIFIED 06-08 SRH)

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 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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2000-APP-974484

PERMIT ID
APCD2008-PTO-930473



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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005698

PERMIT ID
APCD2008-PTO-970080

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Elijah J Rodriguez
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PERMIT TO OPERATE

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EQUIPMENT OWNER

USMC MCAS Miramar 3rd MAW 45249 Miramar Wy Bldg 6317, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Stripping Operation:

Stripping Tank: Automated Cleaning Technologies
Model: STR7HX
Serial #: ACT470719
Inner Tank Dimensions: 79 5/16 inches x 36 7/16 inches

Solvent: To meet MIL-PRF-83936 Specifications

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 [28D] Paint Stripping Tank

BEC: APCD2019-CON-001528

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The paint stripping operation described above shall comply with all requirements of Rule 67.6.1.

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
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2. The stripping equipment 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 0.75. Freeboard ratio is the freeboard height divided by the smaller of the interior length or width of the stripping tank. Freeboard height is the distance from the solvent-air interface to the top of the stripping tank, based on inside tank dimensions. Alternatively, a sealing fluid shall be used.
 - b. a cover that completely covers the solvent. This cover shall not be removed except when work or maintenance is being performed in the stripping tank.
 - 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 stripping operation. (Rule 67.6.1)
3. The permittee shall use only the solvent specified above. (Rule 67.6.1)
4. Total emissions of volatile organic compounds (VOC) from the above operation shall be less than ten (10) pounds per day. (Rule 20.2)
5. There shall be no liquid leaks from any portion of the stripping equipment. If a liquid leak is detected, the leak shall be repaired immediately or the stripping operation shall be shut down and drained of solvent in a manner that minimizes emissions. (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 permittee shall minimize solvent carry-out from the stripping equipment 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 stripping tank; and,
 - c. allowing parts to dry within the stripping tank until visually dry or dripping ceases.(Rule 67.6.1)
10. 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)
11. The following records shall be maintained on site for three (3) years and made available to the District upon request:
 - a. dates on which the stripping tank is operated,
 - b. the type, weight, volume and date of solvent added to or removed from the stripping tank,
 - c. the daily VOC emissions, which shall be calculated on days solvent is added using the following equation:
$$E = (Sa - Sr) / Do$$
Where,
E = emissions of VOC
Sa = the weight of solvent added
Sr = the weight of solvent removed since the last addition of solvent
Do = number of days on which the solvent stripping tank is operated
(Rule 67.6.1)
12. Current Material Safety Data Sheets (MSDS) or manufacturer specifications for the 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)
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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005698

PERMIT ID
APCD2008-PTO-970080

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

6. Permittee shall not use materials containing toxic air contaminants (TACs), as defined by Rule 1200, revision effective 07/11/17. (Rule 1200)
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.)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1999-APP-973992

PERMIT ID
APCD2008-PTO-973992

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

REMOTE RESERVOIR: MANUFACTURER: INLAND TECHNOLOGY MODEL IT48C-WC S/N: 49933833 DEGREASING
SOLVENT: SEE ATTACHMENT AA 973992 (EZI) (MODIFIED 07-08 SRH)

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 [28F] Remote Reservoir Cleaners

BEC: APCD2010-CON-000134

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The remote reservoir 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 remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreaser. (Rule 67.6.1)
4. The sink or work area of the degreaser shall have a freeboard height of at least 6 inches (15cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)
5. The sink or work area of the degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
6. The degreaser shall not be used for soaking parts. The solvent return opening of the sink or work area of the degreaser shall not be plugged or blocked. (Rule 67.6.1)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD1999-APP-973992

PERMIT ID
APCD2008-PTO-973992



7. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreaser shall be posted on or near the degreaser. (Rule 67.6.1)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. 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)
15. 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)
16. 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)
17. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2002-APP-978846

PERMIT ID
APCD2008-PTO-978846

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

REMOTE RESERVOIR CLEANER: MANUFACTURER: INLAND TECHNOLOGY, INC. MODEL: IT-48C-WC S/N: 402416929
INTERNAL DIMENSIONS: 48 IN.X 28 IN. X 14 IN. H SOLVENT: SEE ATTACHMENT AA (978846/CDB/01-03) (MODIFIED 07-08 SRH)

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 [28F] Remote Reservoir Cleaners

BEC: APCD2010-CON-000134

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The remote reservoir 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 remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreaser. (Rule 67.6.1)
4. The sink or work area of the degreaser shall have a freeboard height of at least 6 inches (15cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)
5. The sink or work area of the degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
6. The degreaser shall not be used for soaking parts. The solvent return opening of the sink or work area of the degreaser shall not be plugged or blocked. (Rule 67.6.1)

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App ID: APCD2002-APP-978846

PERMIT ID
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7. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreaser shall be posted on or near the degreaser. (Rule 67.6.1)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. 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)
15. 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)
16. 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)
17. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

COLD SOLVENT DIP TANK (< 5 SQ.FT.) MANUFACTURER: RAMCO MODEL: MK24CMS, S/N: JB2263-12-024. TANK DIMENSIONS: 23 IN. L X 24 IN. W X 20.5 IN. H SOLVENT: SEE ATTACHMENT AA

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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: N/A

PERMIT ID
APCD2008-PTO-981359



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]



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2012-APP-002319

PERMIT ID
APCD2008-PTO-985803

MCAS Miramar
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EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 6317
San Diego CA 92145

PERMIT TO OPERATE

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

EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Paint stripping operation consisting of the following stripping equipment:
One (1) paint stripping tank and one (1) rinse tank
Manufacturer: Automated Cleaning Technologies, Inc.
Model: STR4H
Internal Stripping Tank Dimensions: 32 inches long x 60 inches wide x 40.5 inches deep
Internal Rinse Tank Dimensions: 32 inches long x 60 inches wide x 40.5 inches deep
Serial No. ACT181807-0360

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 [28D] Paint Stripping Tank
BEC: APCD2012-CON-000577

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The paint stripping operation described above shall comply with all requirements of Rule 67.6.1.

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2012-APP-002319

PERMIT ID
APCD2008-PTO-985803



2. The stripping equipment 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 0.75. Freeboard ratio is the freeboard height divided by the smaller of the interior length or width of the stripping tank. Freeboard height is the distance from the solvent-air interface to the top of the stripping tank, based on inside tank dimensions. Alternatively, a sealing fluid shall be used.
 - b. a cover that completely covers the solvent. This cover shall not be removed except when work or maintenance is being performed in the stripping tank.
 - 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 stripping operation. (Rule 67.6.1)
3. Daily emissions from the above operation, averaged over one (1) calendar month, shall not exceed 10 pounds per day. The average daily emissions shall be calculated by dividing the total VOC emissions in a calendar month by the number of operating days in that calendar month. (Rule 20.2)
5. There shall be no liquid leaks from any portion of the stripping equipment. If a liquid leak is detected, the leak shall be repaired immediately or the stripping operation shall be shut down and drained of solvent in a manner that minimizes emissions. (Rule 67.6.1)
6. 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)
7. 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)
8. The permittee shall minimize solvent carry-out from the stripping equipment 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 stripping tank; and,
 - c. allowing parts to dry within the stripping tank until visually dry or dripping ceases. (Rule 67.6.1)
9. 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)
10. The permittee shall maintain records of amounts and dates of solvent added to and removed from the stripping equipment. These records shall be kept on site for three (3) years and made available to the District upon request. (Rule 67.6.1, 20.2, 1200)
11. Current Material Safety Data Sheets (MSDS) or manufacturer specifications for the 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, 20.2, 1200)
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

4. The permittee shall not use materials containing toxic air contaminants (TACs), as defined by Rule 1200, revision effective 01/14/10. (Rule 1200)
13. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
14. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2011-APP-001853

PERMIT ID
APCD2012-PTO-001080

MCAS Miramar
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San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
45249 Miramar Wy Bldg 7214
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

One (1) Spray System Inc. 42' X 11' X 10'9" Sanding Booth, Model DC-4088, S/N 9824, equipped with vertical mount HEPA filters located at Building 7214.

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: APCD2012-CON-000498

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. The manufacturer's instructions shall be maintained on site and made available to the District upon request. (Rule 1421)
2. All grinding and sanding conducted in Building 7214 must occur in this booth located within this building. This condition does not limit grinding and sanding outside of this building. Sanding and grinding outside this building must comply with all District Regulations.
3. All equipment inspection and maintenance shall be recorded at the time of inspection or maintenance. The log shall be made available to the District upon request. (Rule 1421)
4. A differential pressure gauge shall be maintained across the filter media to indicate filter condition. The filter gauge reading during equipment operation shall be entered in the inspection/maintenance log on each day the equipment is in use. Differential pressure reading shall be between 0.5" and 5". (Rule 20.2, 1421, 1200)
5. Filters, screens and other wastes containing dust shall be stored in sealed containers pending disposal. There shall be no open disposal of wastes containing dust. (Rule 20.2, 1200)



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Site ID: APCD1996-SITE-02771
App ID: APCD2011-APP-001853

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6. Dust spills shall be vacuumed up before the end of the work shift using a vacuum hose attachment to one of the subject dust collectors, or a portable vacuum with a HEPA filter. The filter system shall remain turned on while dust is being vacuumed. All dust collected shall be stored in closed containers. (Rule 20.2, 1200)
7. 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 1200, 20.2)
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: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2015-APP-004043

PERMIT ID
APCD2015-PTO-002389

MCAS Miramar
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EQUIPMENT ADDRESS
Marine Corps Air Station (MCAS)
Luis Eria
MAL-16 Van Pad, MCAS
San Diego CA 92145

PERMIT TO OPERATE

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

EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Remote reservoir cleaner:
Manufacturer - Graymills Corporation
Model - ACU-24/M
Serial Number - 239364-048
Internal Dimensions - 28" L x 20" W x 20" H
Solvent - PD-680 (CAS # 8052-41-3, 64741-96-4, 64742-88-7, or 64742-48-9) or solvents found in Attachment AA

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 [28F] Remote Reservoir Cleaners

BEC: APCD2013-CON-000707

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The remote reservoir cleaner (degreaser) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)
2. Permittee shall only use the solvent listed in the equipment description of this permit. The material safety data sheet (MSDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)
3. The remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreaser. (Rule 67.6.1)
4. The sink or work area of the degreaser shall have a freeboard height of at least 6 inches (15 cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)

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Site ID: APCD1996-SITE-02771
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PERMIT ID
APCD2015-PTO-002389



5. The sink or work area of the degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
6. The degreaser shall not be used for soaking parts. The solvent return opening of the sink or work area of the degreaser shall not be plugged or blocked. (Rule 67.6.1)
7. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreaser shall be posted on or near the degreaser. (Rule 67.6.1)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. 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)
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

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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2015-APP-004045

PERMIT ID
APCD2015-PTO-002390

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
Marine Corps Air Station (MCAS)
Luis Eria
MAL5-16 Van Pad, MCAS
San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Remote reservoir cleaner:
Manufacturer - Graymills Corporation
Model - ACU-24/M
Serial Number - 239364-040
Internal Dimensions - 28" L x 20" W x 20" H
Solvent - PD-680 (CAS # 8052-41-3, 64741-96-4, 64742-88-7, or 64742-48-9) or solvents found in Attachment AA

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 [28F] Remote Reservoir Cleaners

BEC: APCD2013-CON-000707

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The remote reservoir cleaner (degreaser) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)
2. Permittee shall only use the solvent listed in the equipment description of this permit. The material safety data sheet (MSDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1 or 67.6.2)
3. The remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreaser. (Rule 67.6.1)
4. The sink or work area of the degreaser shall have a freeboard height of at least 6 inches (15 cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)

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PERMIT ID
APCD2015-PTO-002390



5. The sink or work area of the degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
6. The degreaser shall not be used for soaking parts. The solvent return opening of the sink or work area of the degreaser shall not be plugged or blocked. (Rule 67.6.1)
7. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreaser shall be posted on or near the degreaser. (Rule 67.6.1)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. 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)
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

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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2015-APP-004046

PERMIT ID
APCD2015-PTO-002391

MCAS Miramar
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EQUIPMENT ADDRESS
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San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Remote reservoir cleaner:
Manufacturer - Graymills Corporation
Model - ACU-24/M
Serial Number - 239364-042
Internal Dimensions - 28" L x 20" W x 20" H
Solvent - PD-680 (CAS # 8052-41-3, 64741-96-4, 64742-88-7, or 64742-48-9) or solvents found in Attachment AA

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 [28F] Remote Reservoir Cleaners

BEC: APCD2013-CON-000707

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The remote reservoir cleaner (degreaser) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)
2. Permittee shall only use the solvent listed in the equipment description of this permit. The material safety data sheet (MSDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)
3. The remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreaser. (Rule 67.6.1)
4. The sink or work area of the degreaser shall have a freeboard height of at least 6 inches (15 cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)

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Sectors: 3, H
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PERMIT ID
APCD2015-PTO-002391



5. The sink or work area of the degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
6. The degreaser shall not be used for soaking parts. The solvent return opening of the sink or work area of the degreaser shall not be plugged or blocked. (Rule 67.6.1)
7. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreaser shall be posted on or near the degreaser. (Rule 67.6.1)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. 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)
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

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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2015-APP-004044

PERMIT ID
APCD2016-PTO-002724

MCAS Miramar
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EQUIPMENT ADDRESS
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PERMIT TO OPERATE

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

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Batch-loaded cold solvent cleaner, completely enclosed and equipped with a carbon adsorption system using 50 pounds of activated carbon and a 50 cfm fan
Manufacturer - Glarus Technologies
Model - PCS-1 O/APW-35
Serial Number - SPW-0078
Internal Dimensions - 24" L x 16" W x 18" H
Solvent - MIL-PRF-680 (CAS # 8052-41-3, 64741-96-4, 64742-88-7, or 64742-48-9) with a vapor pressure less than 0.5 mmHg at 20 degrees Celsius
Functional Group - 3rd Marine Air Wing (3rd MAW)(Combat Readiness)

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: APCD2016-CON-001266

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. Permittee shall only use the solvent listed in the equipment description of this permit. (Rule 21 and 67.6.1)

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3. The degreaser described above shall be equipped with:
 - a. 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.
 - b. a facility for draining parts such that the drained solvent returns to the container.
 - c. a permanent, conspicuous, and legible label listing the applicable operating requirements shall be posted on or near the degreaser.
 - d. an integral carbon adsorption vapor control system. (Rule 67.6.1)
4. The carbon adsorption system described above shall be properly operating at all times when parts are being cleaned. (Rule 21)
5. Before the door to the degreaser is opened, the fan and the carbon adsorption system shall be operated for at least one (1) minute in order to prevent solvent vapor inside the degreaser from being emitted upon door opening. (Rule 21)
6. The carbon adsorption system filters shall be replaced every 150 hours of operation (or carbon filter hours) per the user interface screen of the degreaser's onboard computer. (Rule 21 and Rule 67.6.1)
7. 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)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
15. The permittee shall maintain the following records:
 - a. the solvent name, date and amount of solvent added to or removed from the degreaser;
 - b. when general repairs or maintenance are required, record the date, run time hours, carbon filter hours and maintenance conducted;
 - c. when the vapor control system carbon is replaced record the date and time, quantity of carbon replaced, run time hours, and carbon filter hours before the carbon filter hours recorder is reset;
 - d. record the date, run time hours and carbon filter hours when the carbon filter hours recorder is reset;
 - e. current Safety Data Sheets (SDS) or manufacturer specifications for each solvent used which at minimum, contain the following information: manufacturer name and identification, solvent composition (including each ingredient and its percentages), and vapor pressure for each solvent.
(Rules 21 and 67.6.1)



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

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD Condition Update

PERMIT ID
APCD2019-PTO-003275

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
MCAS Miramar
Luis Eria
Building 8660
San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Commanding Officer Luis Eria P.O. Box 452001, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Emergency Diesel Engine Generator: FPT Industrial S.p.A, Model F3BE9685A-E, S/N E003-259070; Model Year 2017; Engine Family HFPXL12.9IGR; Tier 3 certified; 530 bhp rated; driving a 350 kW emergency electrical generator. Functional Group: MCAS Miramar Third Marine Aircraft Wing (3rd MAW)

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

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2020-CON-001647

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing.
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
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)
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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9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
- (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.
- A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 69.4.1, 17 CCR 93115, 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 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 69.4.1, 40 CFR 63 Subpart ZZZZ)
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)

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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 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
14. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. (Rule 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

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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MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS

USMC MCAS Miramar
Luis Eria
Bldg. 9270
San Diego CA 92145

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EQUIPMENT OWNER

MCAS Miramar Commanding Officer Env Mgmt PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Emergency Diesel Engine Generator: John Deere, Model 6068HF485, S/N PE6068N011676, Model Year 2018, Engine Family JJDXL13.5103, Tier 3 certified, 318 bhp rated, driving a 200 kW emergency electrical generator.

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

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2020-CON-001647

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing.
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
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)
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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9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
- (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.
- A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 69.4.1, 17 CCR 93115, 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 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 69.4.1, 40 CFR 63 Subpart ZZZZ)
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)

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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 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
14. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. (Rule 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

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)
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16. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
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Site ID: APCD1996-SITE-02771
App ID: APCD Condition Update

PERMIT ID
APCD2019-PTO-003367

MCAS Miramar
Environmental Engineer Luis Eria
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San Diego CA, 92145

EQUIPMENT ADDRESS

USMC MCAS Miramar
Luis Eria
Bldg. 9270
San Diego CA 92145

PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Commanding Officer Env Mgmt PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Emergency Diesel Engine Generator: John Deere, Model 6068HF485, S/N PE6068N011958; Model Year 2018; Engine Family JJDXL13.5103; Tier 3 certified; 318 bhp rated; driving a 200 kW emergency electrical generator.

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

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2020-CON-001647

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. The engine shall be operated exclusively during emergencies as defined in Rule 69.4.1 or Rule 12 or 17CCR93115 as applicable, or for maintenance and testing.
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
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)
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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PERMIT ID
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9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
- (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.
- A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 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 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 69.4.1, 40 CFR 63 Subpart ZZZZ)
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)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD Condition Update

PERMIT ID
APCD2019-PTO-003367


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 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
14. All records required by this permit shall be maintained on site and readily available for District inspection for a minimum of 36 months from their date of creation unless otherwise indicated by the conditions of this permit. (Rule 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

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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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2020-APP-006351

PERMIT ID
APCD2020-PTO-003560

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Luis J Eria
MCAS Miramar Bldg. 9181
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Emergency Diesel Engine Generator: Kukje Machinery, Model D3400T-Gen1, S/N TP9J00706; Model Year 2020; Engine Family KKMCL3.41D43; Tier 3 certified; 85 bhp rated; equipped with a Miratech LTRV2-2-2.5-XR1 DPF; driving a 50 kW emergency electrical generator.

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

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2020-CON-001659

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.
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
3. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. (17 CCR 93115, Rule 1200, NSR)
4. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
6. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2020-APP-006351

PERMIT ID
APCD2020-PTO-003560


8. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
 - (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
9. The engine shall be equipped with a permanently installed continuously-operated monitor that measures the backpressure between the engine and diesel particulate filter. This monitor shall be capable of displaying the backpressure between the engine and the diesel particulate filter in one of the following ways:
 - (a) the monitor shall be connected to a permanently installed display that shows the backpressure between the engine and diesel particulate filter,Or
 - (b) the monitor shall be capable of downloading backpressure data to a computer or other device that can display the backpressure data. This data shall be downloaded at least once per month in which the engine operates and be made available upon District request.
[17 CCR 93115, 40 CFR 60 Subpart IIII]
11. The engine shall be equipped with a device that alerts the owner or operator prior to the high backpressure limit being reached. (17 CCR 93115, 40 CFR 60 Subpart IIII)
12. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system if vented to the air pollution control system.
13. 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 69.4.1, 40 CFR 60 Subpart IIII)
14. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
 - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
 - (b) manual of recommended maintenance provided by the manufacturer.(Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)

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Site ID: APCD1996-SITE-02771
App ID: APCD2020-APP-006351

PERMIT ID
APCD2020-PTO-003560


15. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.
- Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)
16. 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 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
17. The owner or operator of the engine shall maintain an operating log that contains the following records:
- (a) backpressure between the engine and diesel particulate filter recorded at least once each month in which the engine operates.
 - (b) daily records of any corrective actions taken in response to the backpressure monitor notifying the owner or operator of the high backpressure limit being approached.
- This log shall be made available to the Air Pollution Control District upon request.
(17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart NESHAP ZZZZ)
18. 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 69.4.1, 40 CFR 60 Subpart IIII)
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]

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Site ID: APCD1996-SITE-02771
App ID: APCD2020-APP-006351

PERMIT ID
APCD2020-PTO-003560


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

7. 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)
10. Engine backpressure shall not exceed the high backpressure limit of 1.5 inches Hg or 20. inches of water at any time to protect the diesel particulate filter. Operation above the engine manufacturer's specified backpressure limit is not recommended. (17 CCR 93115, 40 CFR 60 Subpart IIII)
20. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
21. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005987

PERMIT ID
APCD2021-PTO-003721

MCAS Miramar
Comm Officer Env Mgmt Officer
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
MCAS Miramar
J
MCAS Miramar Bldg 7777
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452509, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Emergency Diesel Engine: Mitsubishi, Model S16R-Y2PTAW2-1, S/N 23815, rated at 2923 BHP, Model Year 2018, Tier 2 certified of Engine Family Number JMVXL65.4BBA, equipped with a diesel particulate filter: Miratech, Model LTRV64-60-18-HSG, S/N CVF-1410; driving a 2000-kW emergency electrical generator. Functional Group: MCAS Miramar Third Marine Aircraft Wing (3rd MAW)

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

Fee Schedules: 1 [34H] California Certified Emergency Standby Engine

BEC: APCD2020-CON-001715

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.
2. This engine shall not be used as a part of a non-emergency Demand Response Program (DRP). This condition shall not apply to engines operating pursuant to the rolling blackout reduction program as defined in 17 CCR 93115 and operating in accordance with 17 CCR 93115.6(c). (17 CCR 93115)
3. Engine operation for maintenance and testing purposes shall not exceed 50 hours per calendar year. (17 CCR 93115, Rule 1200, NSR)
4. This engine shall only use CARB diesel fuel. (Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)
5. Visible emissions including crank case smoke shall comply with Air Pollution Control District Rule 50. (Rule 50)
6. The equipment described above shall not cause or contribute to a public nuisance. (Rule 51)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005987

PERMIT ID
APCD2021-PTO-003721


9. A non-resettable engine hour meter shall be installed on this engine, maintained in good working order, and used for recording engine operation hours. If a meter is replaced, the Air Pollution Control District's Compliance Division shall be notified in writing within 10 calendar days. The written notification shall include the following information:
 - (a) old meter's hour reading,
 - (b) replacement meter's manufacturer name, model and serial number if available and current hour reading on replacement meter, and
 - (c) copy of receipt of new meter or of installation work order.A copy of the meter replacement notification shall be maintained onsite and made available to the Air Pollution Control District upon request.
(Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
10. The engine shall be equipped with a permanently installed continuously-operated monitor that measures the backpressure between the engine and diesel particulate filter. This monitor shall be capable of displaying the backpressure between the engine and the diesel particulate filter in one of the following ways:
 - (a) the monitor shall be connected to a permanently installed display that shows the backpressure between the engine and diesel particulate filter,
 - Or
 - (b) the monitor shall be capable of downloading backpressure data to a computer or other device that can display the backpressure data. This data shall be downloaded at least once per month in which the engine operates and be made available upon District request.
[17 CCR 93115, 40 CFR 60 Subpart IIII]
11. Engine backpressure shall not exceed the high backpressure limit of 2.9 inches Hg or 40 inches of water at any time to protect the diesel particulate filter. Operation above the engine manufacturer's specified backpressure limit is not recommended. (17 CCR 93115, 40 CFR 60 Subpart IIII)
12. The engine shall be equipped with a device that alerts the owner or operator prior to the high backpressure limit being reached. (17 CCR 93115, 40 CFR 60 Subpart IIII)
13. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system if vented to the air pollution control system.
14. 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 69.4.1, 40 CFR 60 Subpart IIII)
15. The owner or operator of the engine shall maintain the following records on site for at least the same period of time as the engine to which the records apply is located at the site:
 - (a) documentation shall be maintained identifying the fuel as CARB diesel, and
 - (b) manual of recommended maintenance provided by the manufacturer.(Rule 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII)

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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005987

PERMIT ID
APCD2021-PTO-003721


16. The owner or operator of this engine shall conduct periodic maintenance of the engine and add-on control equipment, if any, as recommended by the engine and control equipment manufacturers or as specified by the engine servicing company's maintenance procedures. Maintenance shall be conducted at least once each calendar year, and shall include, but is not limited to, the following:
- 1) Change oil and filter, or test in accordance with the requirements of 40 CFR §63.6625(i) or (j);
 - 2) Inspect and clean air filters, replacing as necessary; and
 - 3) Inspect all hoses and belts, replacing as necessary.
- Documentation of oil and filter changes or copies of the oil test analysis shall be kept on site and made available upon request. If testing in accordance with 40 CFR §63.6625(i) or (j), the oil analysis program must analyze the Total Base Number, viscosity and percent water content (for compression ignition engines) and the Total Acid Number, viscosity and percent water content (for spark ignited engines). If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.
(Rule 69.4.1, 40 CFR 63 Subpart ZZZZ)
17. The owner or operator of the engine shall maintain an operating log that contains the following records:
- (a) backpressure between the engine and diesel particulate filter recorded at least once each month in which the engine operates.
 - (b) daily records of any corrective actions taken in response to the backpressure monitor notifying the owner or operator of the high backpressure limit being approached.
- This log shall be made available to the Air Pollution Control District upon request.
(17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart NESHP ZZZZ)
18. 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 69.4.1, 40 CFR 60 Subpart IIII)
19. 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 69.4.1, 17 CCR 93115, 40 CFR 60 Subpart IIII, 40 CFR 63 Subpart ZZZZ)
20. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131-1649
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2019-APP-005987

PERMIT ID
APCD2021-PTO-003721


B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2017-APP-004994

PERMIT ID
APCD2021-PTO-003742

MCAS Miramar
Comm Officer Env Mgmt Officer
PO Box 452001
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar
Luis J Eria
45249 Miramar Wy, Bldg #8119
San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Aerospace and ground support equipment coating consisting of:
One (1) enclosed paint spray booth
Booth Manufacturer: Bleeker Brothers
Model: TA-634-LH
Internal Dimensions: 36 feet long x 16 feet wide x 23 feet high
Number of exhaust stacks: 1
Exhaust flow rate: 25,000 cfm
Stack diameter: 3.5 ft
Stack height: 30 feet

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 [27R] Vehicle Refinishing Operations
1 [27K] Surface Coating Application Station

BEC: APCD2021-CON-001807

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Except as provided in Rule 67.9(b)(1), all aerospace coatings used in this operation shall comply with the VOC content limits of 67.9(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.
2. Except as provided in Rule 67.20.1(b), all motor vehicle and mobile equipment coatings used in this operation shall comply with the VOC content limits of 67.20.1(d)(1). If claiming an exemption from these limits, the permittee shall maintain records necessary to substantiate applicability of the exemption.

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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APCD2021-PTO-003742


3. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
4. Visible emissions from the exhaust stack shall comply with Rule 50. (Rule 50)
5. Total emissions of volatile organic compounds (VOC) from the above operation shall be less than ten (10) pounds per day. (Rule 20.2)
6. All spray application of materials containing volatile organic compounds (VOC) and/or toxic air contaminants (TACs) shall only be conducted in the booth specified above, where the exhaust fans and exhaust filters are installed and operating properly. (Rule 1200)
7. The permittee shall not use paint stripping solvents that contain methylene chloride (CAS 75-09-2) in paint removal processes. (Rule 1200)
8. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
9. The use of coatings that are non-compliant with the VOC standards in Rule 67.9(d) shall not exceed 200 gallons per any consecutive twelve (12) month period for this stationary source. (Rule 67.9)
10. Aerospace stripping materials shall meet one of the following requirements:
 - a. the VOC content does not exceed 400 grams per liter; or
 - b. the total VOC vapor pressure shall be 9.5 mm Hg or less at 20°C (68°F). (Rule 67.9)
11. Aerospace surface preparation or surface cleaning 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); or
 - d. the aerospace component is cleaned in an enclosed cleaning material container which is only opened when accessing parts or adding surface cleaning materials. (Rule 67.9)
12. Any cleaning of coating application equipment in the aerospace coating operation shall comply with at least one of the following requirements:
 - a. the VOC content does not exceed 200 grams per liter (1.67 pounds per gallon), as applied; or
 - b. the initial boiling point is at least 190°C (374°F); or
 - c. the total VOC vapor pressure is 20 mm Hg or less at 20°C (68°F); or
 - d. the cleaning material is flushed or rinsed through the application equipment in a contained manner that will minimize evaporation to the atmosphere; or
 - e. the application equipment or equipment parts are cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning materials is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - f. a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining processes; or
 - g. a device, approved prior to use by the Air Pollution Control Officer, which has been demonstrated to be as effective as any of the equipment described above in minimizing VOC emissions to the atmosphere. (Rule 67.9)
13. Permittee shall only apply coatings using one of the following methods: high volume low pressure (HVLP) spray application, electrostatic spray application, flow coat application, dip coat, roll coat, hand application methods (brushes, rollers, markers, marking pens, etc.), or an equivalent application method that has been approved by the District in writing. Airless spray application is only allowed for aerospace coating operations when applying maskants and temporary coatings. (Rules 67.9/67.20.1/67.3)

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14. High volume low pressure (HVLP) and electrostatic application equipment shall be operated and maintained in accordance with the manufacturer's instructions. For HVLP equipment, the applicant will have available on site pressure gauge(s) in proper operating condition to measure the air cap pressure or have available manufacturer's technical information showing the correlation between the handle air inlet pressure and the air cap pressure. (Rule 21)
15. If the correlation option specified above is chosen to demonstrate compliance, a handle air inlet pressure gauge will be required on site in proper operating condition to measure the handle air inlet pressure. The applicant shall maintain a permanent air pressure at the air cap of 0.1 to 10 psig. (Rule 21)
16. The permittee shall maintain records for aerospace coating operation in accordance with Rule 67.9 and 67.20.1. The records shall include the following information:
 - a. current list of all materials in use, including coatings, coating components, stripping, surface cleaning, equipment cleaning materials or any other material containing volatile organic compound (VOC) and/or toxic air contaminant (TAC). This list shall provide the following information for each material in use:
 1. type and/or applicable category specified in subsections (d)(1), (d)(3), (d)(4), and (d)(5);
 2. manufacturer name and identification;
 3. mix ratio of components;
 4. VOC content per volume of coating less water and exempt compounds, as applied;
 5. VOC content per volume of material, total vapor pressure of VOC, or initial boiling point for each stripper, surface cleaning material, and equipment cleaning material, as applied to demonstrate compliance with Rule 67.9;
 6. for each multi-stage maskant, the applicable maskant category specified in Subsection (d)(1);
 - b. daily usage records for each VOC-containing material and daily VOC emissions.
 - c. current material safety data sheets (MSDS), manufacturer's specifications or analytical data for all materials in use. MSDS, manufacturer's specifications, analytical data or a combination thereof 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), and vapor pressure and/or initial boiling point, as applicable to demonstrate compliance with the prohibitory rule, of all materials used for stripping, surface preparation and cleaning operations; and
 - d. type of application equipment used. (Rule 67.9, 67.20.1, 20.2)
17. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
18. When conducting any operations subject to Rule 67.20.1, permittee shall not use any material for surface preparation or any other surface cleaning unless its VOC content is 25 grams or less per liter of material (0.21 lbs/gal), as applied. This VOC content limitation shall not apply to any cleaning material used for the removal of dust, wax, grease, tar, or bugs provided that:
 - a. the VOC content of cleaning material does not exceed 780 grams per liter (6.5 lbs/gal), and
 - b. the cleaning material is applied by non-aerosol, hand-held spray container, and
 - c. not more than 20 gallons per calendar year of such cleaning material are used at the stationary source. (Rule 67.20.1)

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19. Any cleaning of coating application equipment, used in operations subject to Rule 67.20.1, shall comply with one of the following requirements:
- a. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and the application equipment or equipment parts shall be cleaned in a container which is open only when being accessed for adding, cleaning, or removing application equipment or when cleaning material is being added, provided the cleaned equipment or equipment parts are drained to the container until dripping ceases; or
 - b. the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings; and a system that totally encloses the component parts being cleaned during the washing, rinsing, and draining process shall be used; or
 - c. the cleaning material shall not contain any exempt compounds and the VOC content of the cleaning material shall not exceed 25 grams per liter (0.21 lbs/gal), as applied; and the cleaning material shall be flushed or rinsed through the application equipment, including paint lines, without exposure to air, into a container which has in place a lid that completely covers the container and has no visible holes, breaks or openings. (Rule 67.20.1)
20. The use of chemical agent resistant coatings on military tactical support vehicles and equipment shall not exceed 20 gallons per any consecutive twelve (12)-month period for the entire stationary source. (Rules 67.3 and 67.20.1)

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]
22. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
23. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.)



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2021-APP-006782

PERMIT ID
APCD2021-PTO-004105

MCAS Miramar
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Luis J Eria
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San Diego CA 92145

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

MCAS Miramar Comm Officer Env Mgmt Officer Director S7/EMD PO Box 452509, San Diego, CA 92145

EQUIPMENT DESCRIPTION

METAL INSPECTION TANKS OPERATION (STATIONARY PENETRANT INSPECTION SYSTEM): ONE PENETRANT TANK WITH COVER, 40"L X 20"W X 3'H. RINSE TANK WITH COVER 40"L X 20"W X 3'H. AND DRYING/INSPECTION STATION WITH ELECTRIC OVEN

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 [28J] Metal Inspection Tanks

BEC: APCD2021-CON-001883

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. All materials containing volatile organic compounds shall be stored in closed containers in accordance with Rule 67.17 requirements. (Rule 67.17)
2. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
3. The metal inspection tank shall be installed and maintained in good working order. The ventilation system, if any, and emission control equipment shall be properly operating at all times when parts are being wetted. (Rule 1421)
4. Permittee shall comply with all applicable requirements in Rule 66.1 (Rule 66.1)
5. Volatile organic compounds (VOC) emissions from this operation shall be less than five (5) tons per calendar year, excluding emissions from surface preparation and solvent cleaning operations. (Rule 66.1)

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PERMIT ID
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6. Surface Preparation and Solvent cleaning operations, including wipe cleaning, shall meet 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; or
 - c. Limit the total usage of materials for surface preparation or solvent cleaning to be less than 550 gallons per calendar year for the stationary source. (Rule 66.1)
7. Permittee shall maintain records for this operation in accordance with Rule 66.1. The records shall include the following information:
 - a. current list of all materials used including the volatile organic compound (VOC) content and manufacturer name and identification. The VOC content shall be expressed in grams per liter (or pounds per gallon) of material as used;
 - b. mix ratio of components, if applicable;
 - c. material safety data sheet (MSDS) or manufacturer information for all materials used. The MSDS or manufacturer information shall include the manufacturer name and identification, VOC and toxic air contaminant (TAC) content, material density (weight per volume) or material specific gravity (material density relative to the density of water) for all materials used;
 - d. vapor pressure of all solvents used, if applicable to demonstrate compliance with Rule 66.1; and,
 - e. monthly purchasing or dispensing records and daily or monthly usage records of all materials used. (Rule 66.1 and 21)
8. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
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: 3, H
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PERMIT ID
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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Cold solvent cleaner:
Manufacturer: Gray Mills
Model: A-42618-A
Tank Dimensions: 24 inches Length x 20.5 inches Width x 18 inches Height
Solvent: PD-680 or other Attachment AA approved solvent
Functional Group: 3rd Marine Air Wind (3rd MAW)(Combat Readiness)

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: APCD2013-CON-000705

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. Permittee shall only use the solvent listed in the equipment description of this permit. The material safety data sheet (MSDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)

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App ID: APCD2021-APP-006991

PERMIT ID
APCD2024-PTO-004819


3. The degreaser described above shall be equipped with:
 - 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)
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. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2021-APP-006996

PERMIT ID
APCD2024-PTO-004856

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PERMIT TO OPERATE

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

EQUIPMENT OWNER

MCAS Miramar Comm Officer Env Mgmt Officer PO Box 452001 Bldg 6022, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Batch-loaded cold solvent cleaner, completely enclosed and equipped with a carbon adsorption system using 50 pounds of activated carbon and a 50 cfm fan
Manufacturer: Clarus Technologies
Model: PCS-10/APW-35, SN: SPW-0047
Tank Dimensions: 26.5 inches Length x 24 inches Width x 17 inches Height
Solvent: PD-680 or other Attachment AA approved solvent
Functional Group: 3rd Marine Aie Wind (3rd MAW)(Combat Readiness)

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: APCD2016-CON-001266

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. Permittee shall only use the solvent listed in the equipment description of this permit. (Rule 21 and 67.6.1 or 67.6.2)

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3. The degreaser described above shall be equipped with:
 - a. 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.
 - b. a facility for draining parts such that the drained solvent returns to the container.
 - c. a permanent, conspicuous, and legible label listing the applicable operating requirements shall be posted on or near the degreaser.
 - d. an integral carbon adsorption vapor control system. (Rule 67.6.1)
4. The carbon adsorption system described above shall be properly operating at all times when parts are being cleaned. (Rule 21)
5. Before the door to the degreaser is opened, the fan and the carbon adsorption system shall be operated for at least one (1) minute in order to prevent solvent vapor inside the degreaser from being emitted upon door opening. (Rule 21)
6. The carbon adsorption system filters shall be replaced every 150 hours of operation (or carbon filter hours) per the user interface screen of the degreaser's onboard computer. (Rule 21 and Rule 67.6.1)
7. 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)
8. 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)
9. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreaser. (Rule 67.6.1)
10. 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)
11. 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)
12. The degreaser shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
13. 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)
14. All records shall be retained on site for at least three (3) years and made readily available to the District upon request.
15. The permittee shall maintain the following records:
 - a. the solvent name, date and amount of solvent added to or removed from the degreaser;
 - b. when general repairs or maintenance are required, record the date, run time hours, carbon filter hours and maintenance conducted;
 - c. when the vapor control system carbon is replaced record the date and time, quantity of carbon replaced, run time hours, and carbon filter hours before the carbon filter hours recorder is reset;
 - d. record the date, run time hours and carbon filter hours when the carbon filter hours recorder is reset;
 - e. current Safety Data Sheets (SDS) or manufacturer specifications for each solvent used which at minimum, contain the following information: manufacturer name and identification, solvent composition (including each ingredient and its percentages), and vapor pressure for each solvent.
(Rules 21 and 67.6.1)



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Site ID: APCD1996-SITE-02771
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APCD2024-PTO-004856

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

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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PERMIT TO OPERATE

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EQUIPMENT OWNER

MCAS Miramar Luis Eria PO Box 452509, San Diego, CA 92145-2509

EQUIPMENT DESCRIPTION

Cold Solvent Cleaner (Remote Reservoir Cleaner)
Manufacturer: Safety Kleen
Model: 81
Serial Number: LKE-22089-003
Internal Size: 45" length X 21" width X 36" height
Solvent: ATTACHMENT AA: List of Solvents for Cold Solvent Cleaning Operations

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 [28F] Remote Reservoir Cleaners

BEC: APCD2024-CON-002116

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Total volatile organic compound (VOC) emissions from all materials used in the above operation shall be less than an average of ten (10) pounds per day. The average daily VOC emissions shall be calculated on days solvent is added using the following equation:
$$E = (Sa - Sr) / Do$$

Where,
E = emissions of VOC
Sa = the weight of solvent added
Sr = the weight of solvent removed since the last addition of solvent
Do = number of days on which the degreaser is operated (Rule 20.2)
2. The remote reservoir cleaners (degreasers) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)

COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT
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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2023-APP-008001

PERMIT ID
APCD2024-PTO-004945


3. Permittee shall only use the solvent listed in the equipment description of this permit. The safety data sheet (SDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)
4. This degreaser shall only be used to clean electronic or electrical components, medical devices, aerospace components, or precision optics components. (Rule 67.6.1)
5. Each remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreasers. (Rule 67.6.1)
6. The sink or work area of each degreaser shall have a freeboard height of at least 6 inches (15 cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)
7. The sink or work area of each degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
8. The degreasers shall not be used for soaking parts. The solvent return opening of the sink or work area of each degreaser shall not be plugged or blocked. (Rule 67.6.1)
9. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreasers shall be posted on or near each degreaser. (Rule 67.6.1)
10. There shall be no liquid leaks from any portion of each 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)
11. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreasers. (Rule 67.6.1)
12. 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)
13. 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)
14. The degreasers shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
15. The permittee shall minimize solvent carry-out from the degreasers 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 degreasers and,
 - c. allowing parts to dry within the degreasers until visually dry or dripping ceases. (Rule 67.6.1)
16. 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)
17. 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)
18. 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 and 20.2)
19. Permittee shall maintain records for this operation and include the following information:
 - a. type, weight and volume of solvent added to and removed from degreaser
 - b. dates solvent is added to and removed from degreaser
 - c. number of degreaser operating days
 - d. VOC emissions and calculations (Rule 20.2)



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20. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rule 67.6.1 and 20.2)
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2024-APP-008367

PERMIT ID
APCD2024-PTO-005061

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
MCAS Miramar, Bldg 6218
San Diego CA 92145

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

MCAS Miramar Luis Eria PO Box 452509, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Cold Solvent Cleaner (Remote Reservoir Cleaner)
Manufacturer: Graymills Corporation
Model: A-40455-A
Serial Number: 239364-025
Internal Size: 28" length X 20" width X 20" height
Solvent: ATTACHMENT AA: List of Solvents for Cold Solvent Cleaning Operations

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 [28F] Remote Reservoir Cleaners

BEC: APCD2024-CON-002116

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Total volatile organic compound (VOC) emissions from all materials used in the above operation shall be less than an average of ten (10) pounds per day. The average daily VOC emissions shall be calculated on days solvent is added using the following equation:
$$E = (Sa - Sr) / Do$$

Where,
E = emissions of VOC
Sa = the weight of solvent added
Sr = the weight of solvent removed since the last addition of solvent
Do = number of days on which the degreaser is operated (Rule 20.2)
2. The remote reservoir cleaners (degreasers) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)

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App ID: APCD2024-APP-008367

PERMIT ID
APCD2024-PTO-005061



3. Permittee shall only use the solvent listed in the equipment description of this permit. The safety data sheet (SDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)
4. This degreaser shall only be used to clean electronic or electrical components, medical devices, aerospace components, or precision optics components. (Rule 67.6.1)
5. Each remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreasers. (Rule 67.6.1)
6. The sink or work area of each degreaser shall have a freeboard height of at least 6 inches (15 cm). Freeboard height is the distance from the bottom of the sink or work area to the top of the sink or work area. (Rule 67.6.1)
7. The sink or work area of each degreaser shall be sloped towards the drain such that no pooling of solvent occurs in the sink or work area. (Rule 67.6.1)
8. The degreasers shall not be used for soaking parts. The solvent return opening of the sink or work area of each degreaser shall not be plugged or blocked. (Rule 67.6.1)
9. A permanent, conspicuous, and legible label listing the applicable operating requirements for the degreasers shall be posted on or near each degreaser. (Rule 67.6.1)
10. There shall be no liquid leaks from any portion of each 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)
11. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreasers. (Rule 67.6.1)
12. 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)
13. 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)
14. The degreasers shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
15. The permittee shall minimize solvent carry-out from the degreasers 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 degreasers and,
 - c. allowing parts to dry within the degreasers until visually dry or dripping ceases. (Rule 67.6.1)
16. 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)
17. 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)
18. 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 and 20.2)
19. Permittee shall maintain records for this operation and include the following information:
 - a. type, weight and volume of solvent added to and removed from degreaser
 - b. dates solvent is added to and removed from degreaser
 - c. number of degreaser operating days
 - d. VOC emissions and calculations (Rule 20.2)



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20. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rule 67.6.1 and 20.2)
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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



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Sectors: 3, H
Site ID: APCD1996-SITE-02771
App ID: APCD2024-APP-008368

PERMIT ID
APCD2024-PTO-005064

MCAS Miramar
Environmental Engineer Luis Eria
PO Box 452509
San Diego CA, 92145

EQUIPMENT ADDRESS
USMC MCAS Miramar 3rd MAW
Michael J Murukis
MCAS Miramar, Bldg 6218
San Diego CA 92145

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

MCAS Miramar Luis Eria PO Box 452509, San Diego, CA 92145

EQUIPMENT DESCRIPTION

Cold Solvent Cleaner (Remote Reservoir Cleaner)
Manufacturer: Graymills Corporation
Model: A-40455-A
Serial Number: 239364-031
Internal Size: 28" length X 20" width X 20" height
Solvent: ATTACHMENT AA: List of Solvents for Cold Solvent Cleaning Operations

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 [28F] Remote Reservoir Cleaners

BEC: APCD2024-CON-002116

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

1. Total volatile organic compound (VOC) emissions from all materials used in the above operation shall be less than an average of ten (10) pounds per day. The average daily VOC emissions shall be calculated on days solvent is added using the following equation:
$$E = (Sa - Sr) / Do$$

Where,
E = emissions of VOC
Sa = the weight of solvent added
Sr = the weight of solvent removed since the last addition of solvent
Do = number of days on which the degreaser is operated (Rule 20.2)
2. The remote reservoir cleaners (degreasers) described above shall comply with all requirements of Rule 67.6.1. (Rule 67.6.1)

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3. Permittee shall only use the solvent listed in the equipment description of this permit. The safety data sheet (SDS) for the solvent used shall be maintained on site and available to the District upon request. (Rule 21 and 67.6.1)
4. This degreaser shall only be used to clean electronic or electrical components, medical devices, aerospace components, or precision optics components. (Rule 67.6.1)
5. Each remote reservoir cleaner (degreaser) described above shall be equipped with a cover that completely covers the sink or work area of the degreaser and a cover that completely covers the solvent container. These covers shall not be removed except when work or maintenance is being performed in the degreasers. (Rule 67.6.1)
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11. The permittee shall not clean any porous or absorbent materials, such as cloth, leather, wood, or rope in the degreasers. (Rule 67.6.1)
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13. 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)
14. The degreasers shall not be exposed to air currents or drafts greater than 131 feet (40 meters) per minute. (Rule 67.6.1)
15. The permittee shall minimize solvent carry-out from the degreasers 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 degreasers and,
 - c. allowing parts to dry within the degreasers until visually dry or dripping ceases. (Rule 67.6.1)
16. 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)
17. 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)
18. 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 and 20.2)
19. Permittee shall maintain records for this operation and include the following information:
 - a. type, weight and volume of solvent added to and removed from degreaser
 - b. dates solvent is added to and removed from degreaser
 - c. number of degreaser operating days
 - d. VOC emissions and calculations (Rule 20.2)



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20. All records shall be retained on site for at least three (3) years and made readily available to the District upon request. (Rule 67.6.1 and 20.2)
21. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

B. DISTRICT-ONLY ENFORCEABLE CONDITIONS

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

APPENDIX B: RULE REFERENCE TABLE

Rule Citation ¹	RULE TITLE	A/R ²	District Adoption Date ³	SIP FR Approval Date
	REGULATION I - GENERAL PROVISIONS			
1	Title	F	04/30/80	09/28/81
2	Definitions	F	7/11/17	11/12/20
4	Review of Rules	F	01/01/70 [†]	09/22/72
5	Authority to Arrest	F	03/24/76 [†]	NA
6	Minor Violations	D	12/15/99	N/A
	REGULATION II - PERMITS			
10	Permits Required	F	07/25/95	03/11/98
10.1 ^{††}	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	F D	07/08/20 10/13/22	10/28/22 Pending
12	Registration of Specified Equipment	D	11/15/00	N/A
12.1	Portable Equipment Registration	D	05/21/97	N/A
14	Applications	F	04/30/80	09/28/81
15	Permit Process - Public Notifications	D	09/18/90	N/A
17	Cancellation of Applications	F	04/06/93	03/11/98
18	Action on Applications	D	09/18/90	N/A
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1 ^{††}	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F D	01/12/79 10/12/23	09/28/81 Pending
19.3	Emission Information	F D	05/15/96 12/09/21	03/09/00 Pending
20	Standards for Granting Permits	F	04/25/89	10/04/18
20.1	NSR - General Provisions	F	10/14/21	09/28/22
20.2*	NSR - Non-major Stationary Sources	F	06/26/19	09/16/20
20.3*	NSR - Major Stationary Source and PSD Stationary Source	F	10/14/21	09/28/22
20.4*	NSR - Portable Emission Units	F	10/14/21	09/28/22
20.5	Power Plants	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate - Air Quality Analysis	F	04/27/16	10/04/18
20.8	Special Offset Requirement Relating to Banking	D	2/16/83	N/A
21	Permit Conditions	F	11/29/94	03/11/98
22	Denial of Applications	D	01/01/69 [†]	N/A
23	Further Information	D	01/01/69 [†]	N/A
24	Temporary Permit to Operate	F	06/29/16	10/04/18
25	Appeals	F	01/01/69 [†]	09/22/72
25	Appeals	D	06/21/00	N/A

26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D	06/26/19	N/A
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.2	Use of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.5	Transfer of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.6	District Banking of Emission Reduction Credits (ERCs)	D	10/22/97	N/A
26.7	Shutdown and Related Emission Unit	D	10/22/97	N/A
26.8	Banking of Limited Emission Reductions	D	10/22/97	N/A
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D	10/22/97	N/A
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D	10/22/97	N/A
27	Banking of Mobile Source Emission Reduction Credits	D	11/29/94	N/A
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09
	REGULATIONS III - FEES			
40	Permit Fees	D	01/12/23	N/A
42	Hearing Board Fees	D	04/14/22	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A
45	Federally Mandated Ozone Nonattainment Fees	D	6/9/2022	Pending
	REGULATIONS IV - PROHIBITIONS			
50	Visible Emissions	F	08/13/97	12/7/98
50.1††	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69†	09/22/72
52	Particulate Matter	F	01/22/97	12/9/98
52.1††	NSPS & NESHAPS 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 [†]	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1 ^{††}	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	08/21/81	07/06/82
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	F D	2/24/10 5/11/16	08/09/12 ?
67.0.1	Architectural Coatings	F	02/10/21	12/14/22
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	04/09/03	11/14/03
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	11/09/11	09/20/12
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	02/10/21	10/22/21
67.6.2	Vapor Degreasing Operations	F	02/10/21	10/22/21
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	F	06/27/12	04/11/13
67.12.1	Polyester Resin Operations	F	05/11/16	04/02/18
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/09/12	09/20/12
67.17	Storage of Materials Containing Volatile Organic Compounds	F	05/15/96	03/27/97
67.18	Marine Coating Operations	F	05/15/96	03/27/97
67.19	Coating and Printing Inks Manufacturing Operations	F	05/15/96	05/26/00
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A
67.21	Adhesive Material Application Operations	D	11/14/08	N/A
67.22	Expandable Polystyrene Foam Products Manufacturing Operations	D	05/15/96	N/A

67.24	Bakery Ovens	F	05/15/96	03/27/97
68	Fuel-Burning Equipment – Oxides of Nitrogen	F	09/20/94	04/09/96
68.1††	NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment	D	11/08/76	N/A
69	Electrical Generating Steam Boilers, Replacement Units & New Units	D	12/12/95	N/A
69.2	Industrial & Commercial Boilers, Process Heaters & Steam Generators	F	09/27/94	02/09/96
69.2.1	Small Boilers, Process Heaters and Steam Generators	D/F	07/08/20	Pending
69.2.2	Medium Boilers, Process Heaters and Steam Generators	F	09/09/21	8/23/23
69.3**	Stationary Gas Turbine Engines	F	Repealed	06/17/97 (Withdrawal Pending)
69.3.1**	Stationary Gas Turbine Engines – BARCT	D	12/9/21	Pending
69.4**	Stationary Internal Combustion Engines	F	Repealed	01/04/06 (Withdrawal Pending)
69.4.1**	Stationary Internal Combustion Engines - BARCT	D	07/08/20	Pending
69.5.1	Natural Gas-Fired Water Heaters	D	06/24/15	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
69.7	Landfill Gas Flares	D/F	03/09/23	Pending
70	Orchard Heaters	F	01/17/72	09/22/72
71	Abrasive Blasting	F	03/30/77	08/31/78
	REGULATION V - PROCEDURES BEFORE THE HEARING BOARD			
75	Procedure Before the Hearing Board	D	09/17/85	N/A
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	N/A
97	Emergency Variance	D	07/25/95	N/A
98	Breakdown Conditions: Emergency Variance	D	07/25/95	N/A
	REGULATION VI - BURNING CONTROL			
101	Burning Control	F	09/25/02	04/30/03
	REGULATION VII - VALIDITY AND EFFECTIVE DATE			
140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72
	REGULATION VIII - SAN DIEGO AIR POLLUTION EMERGENCY PLAN			
126	Applicability	F	05/25/77	08/31/78
127	Episode Criteria Levels	F	09/17/91	03/18/99
128	Episode Declaration	F	09/17/91	03/18/99
129	Episode Termination	F	05/25/77	08/31/78
130	Episode Actions	F	09/17/91	03/18/99
131	Stationary Source Curtailment Plan	F	04/01/81	06/21/82

132	Traffic Abatement Plan	F D	05/01/81 12/17/97	06/21/82 N/A
133	Schools	F	05/25/77	08/31/78
134	Source Inspection	F	04/01/81	06/21/82
135	Air Monitoring Stations	F	05/25/77	08/31/78
136	Interdistrict and Interbasin Coordination	F	05/25/77	08/31/78
137	Emergency Action Committee	F	05/25/77	08/31/78
138	Procedures and Plans	F	05/25/77	08/31/78
	APPENDIX A - Persons to be Notified on Episode Declaration	F		
REGULATION IX - PUBLIC RECORDS				
175	General	F	05/22/74†	05/11/77
176	Information Supplied to District	F	05/22/74†	05/11/77
177	Inspection of Public Records	F D	03/30/77 06/20/01	08/31/78 N/A
REGULATION XII - TOXIC AIR CONTAMINANTS				
1200	Toxic Air Contaminants - New Source Review	D	09/19/23	N/A
1202	Hexavalent Chromium - Cooling Towers	D	07/25/95	N/A
1203	Ethylene Oxide Sterilizers and Aerators	D	07/26/00	N/A
1205	Control of Dioxins Emissions from Medical Waste Incinerators	D	01/01/94	N/A
1206	Asbestos Removal, Renovation, and Demolition	D	11/15/17	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	09/19/23	N/A

REGULATION XIV - TITLE V OPERATING PERMITS				
1401	General Provisions	F	10/14/21	02/27/04
1410	Permit Required	F	02/27/04	02/27/04
1411	Exemption from Permit to Operate for Insignificant Units	F	03/07/95	11/30/01
1412	Federal Acid Rain Program Requirements	F	01/18/94	11/30/01
1413	Early Reduction of Hazardous Air Pollutants	F	03/07/95	11/30/01
1414	Applications	F	03/07/95	11/30/01
1415	Permit Process-Public Notification	F	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
REGULATION XV - FEDERAL CONFORMITY				
1501	Conformity of General Federal Actions	F	06/22/99	04/23/99

The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. In addition, if an NSPS or NESHAP is revised by EPA and the revised rule not adopted by the District, both versions of the rule are considered federally applicable requirements and the most stringent requirement applies until such time as the District adopts the revised version.

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

FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	01/29/2020	04/08/2021
JJJ	Standards of Performance for Petroleum Dry Cleaners	01/29/2020	04/08/2021
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	01/29/2020	04/08/2021
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	01/29/2020	04/08/2021
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	05/23/2007	01/03/2008
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/06/2021	04/08/2021
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	06/20/2007	01/03/2008
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	04/06/2021	04/08/2021
EEEE	Standards of Performance for Other Solid Waste Incineration Units	01/29/2020	04/08/2021
IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	04/06/2021	04/08/2021
JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	04/06/2021	04/08/2021
KKKK	Standards of Performance for Stationary Combustion Turbines	04/06/2021	04/08/2021
QQQQ	Standards of Performance for New Residential Hydronic Heaters and Forced-Air Furnaces	04/06/2021	04/08/2021
TTTT	Standards of Performance for Greenhouse Gas Emissions for Electric Generating Units	04/06/2021	04/08/2021
Part 61 REGULATION XI- NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)			
A	General Provisions	01/13/87	05/24/82
C	National Emission Standard for Beryllium	Unknown	11/08/76
D	National Emission Standard for Beryllium Rocket Motor Firing	Unknown	11/08/76
E	National Emission Standard for Mercury	03/27/90	05/17/91
F	National Emission Standard for Vinyl Chloride	08/17/77 06/16/78	11/21/77

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

Subpart & Citation	RULE TITLE
DISTRICT RULES AND REGULATIONS APPENDIX A - CALIFORNIA AIRBORNE TOXIC CONTROL MEASURES (ATCM)	
17 CCR § 93102	Hexavalent Chromium ATCM for Chrome Plating & Chromic Acid Anodizing Operations
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations
17 CCR § 93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations
17 CCR § 93106	Asbestos ATCM for Surface Applications
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance & Repair Activities
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines
Part 63	DISTRICT RULES AND REGULATIONS APPENDIX B - NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) FOR SOURCE CATEGORIES
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 ₂	Carbon Dioxide
District	San Diego County Air Pollution Control District
EF	Emission Factor
EPA	US Environmental Protection Agency
HAP	Hazardous Air Pollutant
I&M	Inspection and Maintenance
NESHAP	National Emission Standard for Hazardous Air Pollutants
NSPS	New Source Performance Standards
NSR	New Source Review
[NSR]	New Source Review based condition
NO _x	Oxides of nitrogen
O ₂	Oxygen
OES	Office of Environmental Services
O&M	Operation and maintenance
Pb	Lead
PM	Total Particulate Matter
PM ₁₀	Particulate matter with aerodynamic equivalent diameter of ≤ 10 microns
PSD	Prevention of Significant Deterioration
RMP	Risk Management Plan
SDCAPCD	San Diego County Air Pollution Control District
SIP	State Implementation Plan
SO _x	Oxides of sulfur
Title IV	Title IV of the federal Clean Air Act
Title V	Title V of the federal Clean Air Act
VOC	Volatile organic compound

Units of Measure:

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