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**San Diego County Air Pollution Control District**

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

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**TITLE V OPERATING PERMIT  
APCD2003-PTO-972673**

**Issued To:**

City of San Diego, Metropolitan Biosolids Center  
Site ID # APCD1994-SITE-07517

**Site Address**

5240 Convoy St.  
San Diego, CA 92111  
(858) 654-5832

**Mailing Address**

2392 Kincaid Road  
San Diego, CA 92101

**Responsible Official** – Halla Razak, Director of Public Utilities  
Robert Mulvey, Assistant Public Utilities Director  
Cheryl Lester, Deputy Public Utilities Director  
**Facility Contact** – Dwight Correia, Senior Civil Engineer  
**Permit Information Contact** – Skyla Wallmann, Senior Chemist

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Issued by the San Diego County Air Pollution Control District on     , 2015     .

This Title V Operating Permit expires on     , 2020     .

     Signed by      2015  
Robert Kard, Air Pollution Control Officer Date

# TABLE OF CONTENTS

	<b>PAGE</b>
<b>PREAMBLE</b>	<b>1</b>
<b>SECTION I. REGULATION XIV PERMIT REQUIREMENTS</b>	<b>2</b>
A. ADMINISTRATIVE PERMIT TERMS	2
B. RENEWAL REQUIREMENTS AND TERMS	2
C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS	3
D. GENERAL PERMIT REQUIREMENTS	4
<b>SECTION II. FACILITY-WIDE REQUIREMENTS</b>	<b>5</b>
A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS	5
B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS	5
C. PERMIT SHIELDS	6
D. ADDITIONAL TERMS	6
<b>SECTION III. EMISSION UNIT REQUIREMENTS</b>	<b>7</b>
A. DISTRICT PERMITTED EMISSION UNITS	7
B. REGISTERED AND LEASED EMISSION UNITS	7
C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES	7
<b>SECTION IV. DISTRICT-ONLY PROVISIONS</b>	<b>8</b>
<b>SECTION V. APPENDICES</b>	<b>A-1</b>
A. DISTRICT PERMITS AND REGISTERED UNITS	A-1
B. RULE REFERENCE TABLE	B-1
C. ABBREVIATIONS	C-1

## **PREAMBLE**

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

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

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

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

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

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

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	USEPA Region IX Director of the Air Division Attn: Air-3 75 Hawthorne Street San Francisco, CA 94105
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## **SECTION I. REGULATION XIV PERMIT REQUIREMENTS**

### **A. ADMINISTRATIVE PERMIT TERMS**

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

### **B. RENEWAL REQUIREMENTS AND TERMS**

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

**C. MONITORING, RECORDKEEPING & REPORTING REQUIREMENTS**

1. The permittee shall provide the District access to the facility and all equipment subject to this permit, and access to all required records pursuant to CA H&S Code Section 41510. [Rule 1421]
2. The permittee shall maintain all records required by this permit including any calibration, maintenance, and other supporting information and copies of all reports required by this permit for at least five years from their date of creation. Such records shall be maintained on-site for a minimum of three years. [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 J1 and Form 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 J1 and Form 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 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 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.

#### **D. GENERAL PERMIT REQUIREMENTS**

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

approval is pending for a revised District rule, the rule citation shall refer to both the current SIP approved rule and the revised District rule. [Rule 1421]

## SECTION II. FACILITY-WIDE REQUIREMENTS

### A. GENERAL PERMIT PROGRAM APPLICABLE REQUIREMENTS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. II	10	Permits Required
SDCAPCD Reg. II	19	Provision of Sampling & Testing Facilities
SDCAPCD Reg. II	19.3	Emission Information
SDCAPCD Reg. II	21	Permit Conditions
SDCAPCD Reg. IV	60	Circumvention
SDCAPCD Reg. V	98	Breakdown Conditions: Emergency Variance

### B. GENERAL PROHIBITORY APPLICABLE REQUIREMENTS

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

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	50	Visible Emissions
SDCAPCD Reg. IV	51	Nuisance
SDCAPCD Reg. IV	67.0	Architectural Coatings
SDCAPCD Reg. IV	67.17	Storage of Materials Containing VOC
SDCAPCD Reg. IV	71	Abrasive Blasting
SDCAPCD Reg. VI	102	Open Fires - Western Section
SDCAPCD Reg. VI	105	Burning Permits
SDCAPCD Reg. VI	106	Permit Duration
SDCAPCD Reg. VI	107	Burning Hours
SDCAPCD Reg. VI	108	Burning Conditions
SDCAPCD Reg. VI	111	Prior Notification
SDCAPCD Reg. VI	112	Burning Report
SDCAPCD Reg. X	Subpart A	NSPS - General Provisions
SDCAPCD Reg. XI	Subpart A	NESHAP - General Provisions
40 CFR Part 63	Subpart A	NESHAP - General Provisions
40 CFR Part 60	Subpart III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

40 CFR Part 63	Subpart ZZZZ	NESHAP – Stationary Reciprocating Internal Combustion Engines
SDCAPCD Reg. XI	Subpart M, 361.145	Standard for Demolition and Renovation
SDCAPCD Reg. XI	Subpart M, 361.150	Standard for Waste Disposal for Manufacturing, Fabricating, Demolition, Renovation, and Spraying Operations
40 CFR Part 82	Subpart A	Production and Consumption Controls
40 CFR Part 82	Subpart B	Servicing of Motor Vehicle Air Conditioners
40 CFR Part 82	Subpart F	Recycling and Emissions Reduction

**C. PERMIT SHIELDS**

The permittee is shielded from enforcement action for the following requirements as part of this permit in accordance with the provisions of District Rule 1410(p). For those shielded requirements that are subsumed by more stringent requirements, the permittee must comply with the more stringent requirement as given in this permit. For any shielded requirement that is based on a regulatory exemption, the requirement shall only be shielded to the extent of the exemption.

Requirement & Reference	Basis of Shield
40 CFR Subpart Dc Section 60.48c (g) (1) daily records of fuel	Alternative recordkeeping plan; maintain monthly records per 40 CFR Subpart Dc Section 60.48 (2) or 60.48 (3).

Nothing in this permit shield, or any other provisions under this permit pursuant to District Rule 1410(p), shall alter or affect the following:

1. The provisions of Section 303 of the federal Clean Air Act including the authority of the Administrator under that section,
2. The liability of a source for any violation of applicable requirements prior to or at the time of permit issuance,
3. The applicable requirements of the acid rain program consistent with Section 408 (a) of the federal Clean Air Act, and
4. The ability of EPA to obtain information from a source pursuant to Section 114 of the federal Clean Air Act.

**D. ADDITIONAL TERMS**

1. Any emission unit described in this Title V operating permit as being fired on natural gas, shall only use Public Utility Commission (PUC)-quality natural gas, unless the emission unit permit specifies otherwise. [Rule(s) 53, 62]
2. 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 the Metropolitan Biosolids Center at 5240 Convoy St., San Diego, California and the Metropolitan Operations Center at 2392 Kincaid Road, San Diego, California and made readily available to the District upon request. [Rule 21]

### SECTION III. EMISSION UNIT REQUIREMENTS

#### A. DISTRICT PERMITTED EMISSION UNITS

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

Permit Numbers	Source Category
931027, 931028	Boilers
931030	Sludge Digestion and Flares
931031	Pump Station
931032	Sludge Processing Operations

#### 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	NSR	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
SDCAPCD Reg. IV	67.6	Solvent Cleaning Operations.
SDCAPCD Reg. IV	69.4	Stationary Reciprocating Internal Combustion Engines

#### C. INSIGNIFICANT EMISSION UNITS AND ACTIVITIES

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

Regulation	Rule Citation	Title
SDCAPCD Reg. IV	62	Sulfur Content of Fuels
SDCAPCD Reg. IV	66	Organic Solvents

#### D. REQUIREMENTS APPLICABLE TO ENGINES

3. The emergency engines are subject to 40 CFR 63 Subpart ZZZZ -- National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal

Combustion Engines (RICE). Applicable requirements include, but may not be limited to the following:

1. The permittee must change engine oil and filter every 500 hours of operation or annually, whichever comes first; or test the oil in accordance with 40 CFR § 63.6625(i). (40 CFR 63 Subpart ZZZZ § 63.6603(a) and Table 2d(4)(a))
2. The permittee must inspect the air cleaner of a compression ignition engine or inspect spark plugs of a spark ignition engine, every 1,000 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ§63.6603(a) and Table 2d(4)(b) or Table 2d(5)(b))
3. The permittee must inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. (40 CFR 63 Subpart ZZZZ§63.6603(a) and Table 2d(4)(c))
4. The permittee shall maintain files of all required information (including all reports and notifications) in accordance with the general provisions of 40 CFR § 63.10(b).

## **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

<b>Permit Numbers</b>	<b>Source Category</b>
931027, 931028	Boilers
931030	Sludge Digestion and Flares
931031	Pump Station
931032	Sludge Processing Operations



Sectors: 4, M  
Site ID: APCD1994-SITE-07517  
App ID: APCD1994-APP-931027

PERMIT ID  
APCD2003-PTO-931027

SD City of Metro Wastewater Dept  
Skyla Wallmann  
2392 Kincaid Dr  
San Diego CA, 92101

EQUIPMENT ADDRESS  
SD City of Metro Wastewater  
Skyla Wallmann  
5240 Convoy St  
San Diego CA 92111

## PERMIT TO OPERATE

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

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

### EQUIPMENT OWNER

### EQUIPMENT DESCRIPTION

BOILER: 10.5 MM BTU/HOUR, SUPERIOR BOILER WORKS INC., MODEL MS4-X-1250, S/N 13211, WITH FORCED DRAFT BURNER, FLUE GAS RECIRCULATION, FIRED ON NATURAL GAS ONLY, OPERATED LESS THAN 220,000 THERMS PER YEAR. EAD 931027 10/11/00

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 [13A] Boiler/Heater  
BEC: 11828

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

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

1. The Permittee shall comply with the following applicable requirements, unless a specific shield is provided below: Rule 53, Rule 69.2, and 40 CFRP Part 60 Subpart DC.
2. Provided the equipment subject to this permit is operated in compliance with Condition 3 listed below, a permit shield is granted from Enforcement Action for the following applicable Requirements: 40 CFR Part 60 Subpart DC.
3. The Permittee shall record on a monthly basis the natural gas fuel usage for the boiler and maintain a record of the days the boiler was operated and the average amount of natural gas combusted each day of operation. The average amount of natural gas combusted each day of operation shall be calculated by dividing the natural gas fuel usage for the boiler for the month by the number of days during the month that the boiler was operated. These records shall be maintained on-site for a period of at least 5 years and shall be made readily available to the District upon request. [Rule 20]
4. If emissions from this facility cause a violation of District Rule 51 (nuisance), Permittee shall take such steps as are deemed necessary by the District to eliminate the nuisance violation.
5. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions. These instructions shall be kept onsite. [Rule 20]



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

**Sectors:** 4, M  
**Site ID:** APCD1994-SITE-07517  
**App ID:** APCD1994-APP-931027

**PERMIT ID**  
APCD2003-PTO-931027  


6. All records required by this Permit, including fuel usages and tune-up documentation, shall be maintained on-site for a minimum of three years and made available to District personnel upon request. [Rule 20]
7. The Flue Gas Recirculation System shall be operated in accordance with the manufacturer's instructions when the equipment is in operation. [NSR]
8. Only natural gas shall be used as fuel in this boiler. [NSR]
9. Natural gas consumption shall not exceed 220,000 Therms per calendar year (amount equal to 20.95 million cubic feet per calendar year). [NSR]
10. This boiler shall be tuned at least once per calendar year in accordance with the tuning procedure in rule 69.2 section (j), or in accordance with the manufacturer's recommended tuning procedure. [Rule 69.2]
11. The boiler shall be equipped with a non-resettable totalizing fuel meter installed in the fuel line to the boiler to measure the volumetric flow rate of fuel to the boiler. This meter shall be properly maintained and kept in good operating condition at all times. [NSR]
12. The fuel Sulfur content, calculated as Hydrogen Sulfide, shall not exceed 10 grains per 100 cubic feet of gaseous fuel. [NSR]
13. The Sulfur content of fuel shall be measured in accordance with ASTM Test Method D-4294. [NSR]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

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.) [Rule 1210]



Sectors: 4, M
Site ID: APCD1994-SITE-07517
App ID: APCD1994-APP-931028

PERMIT ID
APCD2003-PTO-931028

SD City of Metro Wastewater Dept
Skyla Wallmann
2392 Kincaid Dr
San Diego CA, 92101

EQUIPMENT ADDRESS
SD City of Metro Wastewater
Skyla Wallmann
5240 Convoy St
San Diego CA 92111

PERMIT TO OPERATE

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

EQUIPMENT OWNER

EQUIPMENT DESCRIPTION

BOILER: 10.5 MM BTU PER HOUR, SUPERIOR BOILER WORKS INC. MODEL MS4-X-1250, S/N 13212, WITH FORCED DRAFT BURNER, FLUE GAS RECIRCULATION, AND FIRED ON NATURAL GAS ONLY. OPERATED < 220,000 THERMS PER YEAR. EAD 931028 10/11/00

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 [13A] Boiler/Heater
BEC: 11828

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

A. FEDERALLY-ENFORCEABLE AND DISTRICT-ENFORCEABLE CONDITIONS

- 1. The Permittee shall comply with the following applicable requirements, unless a specific shield is provided below: Rule 53, Rule 69.2, and 40 CFRP Part 60 Subpart DC.
2. Provided the equipment subject to this permit is operated in compliance with Condition 3 listed below, a permit shield is granted from enforcement action for the following applicable requirements: 40 CFR Part 60 Subpart DC.
3. The permittee shall record on a monthly basis the natural gas fuel usage for the boiler and maintain a record of the days the boiler was operated and the average amount of natural gas combusted each day of operation.
4. If emissions from this facility cause a violation of District Rule 51 (nuisance), permittee shall take such steps as are deemed necessary by the District to eliminate the nuisance violation.
5. This equipment shall be properly maintained and kept in good operating condition at all times in accordance with manufacturer's instructions.



**COUNTY OF SAN DIEGO, AIR POLLUTION CONTROL DISTRICT**  
10124 OLD GROVE ROAD, SAN DIEGO, CA 92131  
PHONE (858) 586-2600 FAX (858) 586-2601  
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**Sectors:** 4, M  
**Site ID:** APCD1994-SITE-07517  
**App ID:** APCD1994-APP-931028

**PERMIT ID**  
APCD2003-PTO-931028  


6. All records required by this Permit, including fuel usages and tune-up documentation, shall be maintained on-site for a minimum of three years and made available to District personnel upon request. [Rule 20]
7. The Flue Gas Recirculation System shall be operated in accordance with the manufacturer's instructions when the equipment is in operation. [NSR]
8. Only natural gas shall be used as fuel in this boiler. [NSR]
9. Natural gas consumption shall not exceed 220,000 Therms per calendar year (amount equal to 20.95 million cubic feet per calendar year). [NSR]
10. This boiler shall be tuned at least once per calendar year in accordance with the tuning procedure in rule 69.2 section (j), or in accordance with the manufacturer's recommended tuning procedure. [Rule 69.2]
11. The boiler shall be equipped with a non-resettable totalizing fuel meter installed in the fuel line to the boiler to measure the volumetric flow rate of fuel to the boiler. This meter shall be properly maintained and kept in good operating condition at all times. [Rule 20]
12. The fuel Sulfur content, calculated as Hydrogen Sulfide, shall not exceed 10 grains per 100 cubic feet of gaseous fuel. [NSR]
13. The sulfur content of fuel shall be measured in accordance with ASTM Test Method D-4294. [NSR]
14. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

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



Sectors: 4, M  
Site ID: APCD1994-SITE-07517  
App ID: APCD2012-APP-002940

PERMIT ID  
APCD2006-PTO-931030

City of San Diego PUD, Metro Biosolids  
Skyla Wallmann  
2392 Kincaid Dr  
San Diego CA, 92101

EQUIPMENT ADDRESS  
City of San Diego PUD, Metro  
Barry Ayers  
5240 Convoy St  
San Diego CA 92111

## 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

City of San Diego PUD, Metro Biosolids Center Skyla Wallmann 2392 Kincaid Rd, San Diego, Ca 92101

### EQUIPMENT DESCRIPTION

THREE (3) ANAEROBIC SLUDGE DIGESTERS (2.9 MILLION GALLON CAPACITY EACH) AND ASSOCIATED PUMPS, CHEMICAL FEED SYSTEMS, PIPING, VALVES AND FITTINGS. TWO (2) 1.3 MILLION GALLON BIOSOLIDS STORAGE TANKS WITH ASSOCIATED PIPING AND EQUIPMENT; BIOGAS MANUAL AND AUTOMATIC PRESSURE/VACUUM RELEASE VALVES. ONE (1) 25,000 CUBIC FEET BIOGAS HOLDING TANK WITH TWO (2) COMPRESSORS. BIOGAS FROM THE ABOVE EQUIPMENT THAT IS NOT ROUTED TO AN ON-SITE PRIVATIZED CO-GENERATOR REGULATED UNDER SEPARATE PERMITS IS VENTED TO TWO (2) ENCLOSED GROUND FLARES EQUIPPED WITH OPTICAL FLAME DETECTORS, AUTOMATIC SHUT OFF VALVES, STACK THERMOCOUPLES, FLAME ARRESTORS AND SAMPLING PORTS.

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

Fee Schedules: 1 [91A] Miscellaneous  
4 [94E] Air Quality Inspector II

BEC: APCD2015-CON-001039

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

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

1. At no time shall the subject equipment cause or contribute to a 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. [Rule 51]



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

Sectors: 4, M  
Site ID: APCD1994-SITE-07517  
App ID: APCD2012-APP-002940

PERMIT ID  
APCD2006-PTO-931030



2. The permittee shall comply with the applicable requirements of District Rule 53 including the flare exhaust concentration of sulfur compounds, calculated as sulfur dioxide (SO<sub>2</sub>) shall not exceed 0.05 percent, by volume, on a dry basis. [Rule 53]
3. At least one flare shall be maintained in good operating condition and available for operation at all times in accordance with the facility Operations and Maintenance (O&M) Manual. [NSR]
4. The total gas utilized by the flares shall not exceed 74 million cubic feet per calendar year. Records of the annual usage of gas (in million standard cubic feet) shall be maintained on site for at least three years and shall be made available to District personnel upon request. [NSR]
5. The maximum daily hydrogen sulfide (H<sub>2</sub>S) content in the digester gas shall not exceed 84 ppmv for the months from May through September, and 58 ppmv for the remaining months of the year except during digester startup, where the H<sub>2</sub>S content shall not exceed 100 ppmv during any 15 days in the year. (Rule 51)
6. The hydrogen sulfide concentration of the digester gas shall be measured twice per week on two non-consecutive days of operation. If any hydrogen sulfide concentration exceeds 40 PPMV, the sampling frequency shall be increased to three days per week, with all samples taken more than 24 hours apart. Sampling three times per week shall continue until the average of the last three samples is under 40 PPMV. Records of hydrogen sulfide concentration and sampling dates shall be maintained on-site for three years and made available to District personnel upon request. (Rule 51)
7. The calendar year average hydrogen sulfide concentrations in the digester gas shall not exceed 40 PPMV. The calendar year average shall be determined using the monthly averages of the H<sub>2</sub>S concentrations measured according to the condition above. Records of the calendar year average hydrogen sulfide concentrations shall be maintained on-site for at least three years and made available to District personnel upon request. (BACT Rule) [Rule 51]
8. The digester gases shall be incinerated in the flare system and shall have an operating temperature between 1,400°F and 1,800°F measured at the top temperature probe and shall have a residence time of no less than 0.6 seconds except:
  - 1) During flare startup and/or during multiple flare transitions, the duration of which shall not exceed 15 minutes.
  - 2) During maintenance activities when the flare is still in operation, the duration of which shall not exceed 192 hours per calendar year for each flare, and/or
  - 3) During all other operations, the duration of which shall not exceed five minutes per day.Logs of the date, duration (in minutes) and purpose of all maintenance activities that result in flare exhaust temperature deviation shall be maintained on-site for three years and made available to the District personnel upon request. (Rule 51)
9. The flares shall be equipped with optical flame detectors, stack thermo-couples, flame arrestors and automatic shut off valves. The stack temperature transmitter shall be calibrated biennially. All equipment shall be maintained in good operating condition. [NSR]
10. A temperature probe shall be installed in every exhaust stack at a location which would ensure proper determination of temperature and residence time. The probe shall be maintained in good working condition, and be accurate to +/- 5%. The exhaust stack temperature shall be continuously displayed and recorded during incineration. Records of the temperature shall be maintained for at least three years and shall be made available to District personnel upon request. [NSR]
11. Air Pollution Control equipment shall be maintained in good operating condition and shall be in operation in accordance with Operation and Maintenance (O&M) manual at all times when the process equipment is in operation. The permittee shall keep a copy of the O&M manual available on-site and make the manual available to the District upon request. [Rule 20]
12. The subject equipment shall not release uncontrolled emissions of Biogas, except releases described by the manufacturer design specifications and occur during construction, repair and routine preventative maintenance. The "Preventative Maintenance Reference Table for the City of San Diego Metro Biosolids Center Permit 931030" may be used as a guideline. [Rule 20]
13. Particulate emissions shall be measured in accordance with District Method 5. [NSR]



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- 14. The flare exhaust concentrations of sulfur compounds shall be measured in accordance with EPA Methods 6(C) and 16. [NSR]
- 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.) [Rule 1210]



Sectors: 4, M  
Site ID: APCD1994-SITE-07517  
App ID: APCD1994-APP-931031

PERMIT ID  
APCD2009-PTO-931031

SD City of Metro Wastewater Dept  
Facility Manager  
2392 Kincaid Dr  
San Diego CA, 92101

EQUIPMENT ADDRESS  
SD City of Metro Wastewater  
Facility Manager  
5240 Convoy St  
San Diego CA 92111

## PERMIT TO OPERATE

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

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

### EQUIPMENT OWNER

### EQUIPMENT DESCRIPTION

A WASTEWATER PUMP STATION CONSISTING OF: THREE (3) 3,000 GPM PUMPS (250 HP EACH) WITH AN ODOR REDUCTION SYSTEM (ORS) CONSISTING OF: TWO (2) TRAINS (ONE SERVICE AND ONE STANDBY) EACH TRAIN CONTAINING ONE (1) 9,000 SCFM PACKED BED WATER OR CAUSTIC SCRUBBER (USE OPTIONAL) AND ONE (1) 9,000 SCFM DUAL BED CARBON ADSORPTION VESSELS AND ASSOCIATED PUMPS, DEMISTERS, FEED SYSTEMS, PH METERS, ORP METERS, HEATING COILS (USE OPTIONAL), BLOWERS, PIPING, DUCTING AND VALVES.

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: 3 [56B] Wastewater Odor Treatment System

BEC: 12693

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

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

1. Sulfur content testing shall be conducted on the Carbon in each Activated Carbon System using ASTM D1619-03 Method B, ASTM D1619-83 Method B, Calgon Method TM-30 or any other equivalent method approved in writing and prior to testing by the District. The sampling shall be done at the middle sampling port of each Carbon Bed. Sulfur content sampling shall be conducted at least once every 180 days for NaOH impregnated, KOH impregnated and 'Centaur HSV' Activated Carbon. Sulfur content sampling shall be conducted at least once every 60 days for non-impregnated Carbon. Records of sample dates, sampling ports used and results shall be maintained on-site for at least three years and made available to District personnel upon request. [Rule 51]
2. Replacement of the activated carbon in each odor reduction system using NaOH or KOH impregnated carbon is required within 180 days after the sampling date of sulfur content testing if the sulfur content testing indicates the carbon bed contains 25% total sulfur (by weight) or greater as determined by ASTM D1619-03 Method B, ASTM 1619-83 Method B, Calgon Method TM-30 or any other equivalent method approved in writing by the District. [Rule 51]



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3. Replacement or regeneration of the activated carbon in each odor reduction system using "Centaur HSV" activated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 16% total sulfur (by weight) or greater as determined by ASTM D1619-03 Method B, ASTM D1619-83 Method B, Calgon Method TM-30 or any other equivalent method approved by the District in writing. [Rule 51]
4. Replacement of the Activated Carbon in each Odor Reduction System using Non-Impregnated Carbon is required within 180 days after the sampling date of Sulfur content testing if Sulfur content testing indicates the Carbon Bed contains 4% (by weight) total Sulfur or greater as determined by:
  - ASTM D1619-03 Method B
  - ASTM D1619-83 Method B
  - Calgon Method TM-30
  - or any other equivalent method approved by the District in writing. [Rule 51]
5. The Activated Carbon material used for replacement of the spent Active Carbon in either bed of an Odor Control Reduction System shall, at least, have the following removal capacity:
  - (0.14 gram H<sub>2</sub>S/cc Carbon) for NaOH or KOH Impregnated Carbon
  - (0.09 gram H<sub>2</sub>S/cc Carbon) for 'Centaur HSV' Activated Carbon
  - (0.01-0.03 gram H<sub>2</sub>S/cc Carbon) for Non-Impregnated Carbon [Rule 51]
6. Records of the Carbon manufacturer's Hydrogen Sulfide removal capacity, the Carbon Bed sample date, the Carbon Bed analyses laboratory results, the date(s) of the Activated Carbon replacement and/or regeneration and the manufacturer specification indicating the type of Carbon (NaOH, KOH, 'Centaur HSV' or Non-Impregnated Carbon) shall be maintained for each Carbon Bed. These records shall be maintained on-site for three years and made readily available to the District personnel upon request. [Rule 51]
7. The Odor Reduction System (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation with at least one of the two ORS trains in accordance with the facility Operations and Maintenance (O&M) Manual at all times when the process equipment is in use, except during periods of any maintenance affecting the ORS not to exceed 72 hours per calendar year and 25 hours per calendar year for full or partial facility electrical power shutdowns and non-ORS maintenance. The District's Compliance Division shall be notified of all ORS maintenance shutdowns exceeding 24 hours. Notification must be submitted in writing within 2 calendar days before or after any maintenance shutdown. The O&M Manual and Logs of the date, duration (in minutes) and purpose of any maintenance affecting the ORS shall be maintained on-site for three years and made readily available to the District personnel upon request. [Rule 51]
8. 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]
9. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment mobilization and maintenance activities. [Rule 51]
10. Only NaOH, KOH, 'Centaur HSV' or Non-Impregnated Carbon shall be used in the Carbon Adsorption Vessels. The Permittee shall apply for and obtain an Authority to Construct prior to using any other type of Carbon. [Rule 51]
11. Access, facilities, utilities and any necessary safety equipment for source testing and inspection shall be provided upon request of the Air Pollution Control District. [Rule 19]

**B. DISTRICT-ONLY ENFORCEABLE CONDITIONS**

12. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
13. The permittee shall, upon determination of applicability and written notification by the District, comply with all applicable requirements of the Air Toxics "Hot Spots" Information and Assessment Act (California Health and Safety Code Section 44300 et seq.) [Rule 1210]



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**Sectors:** 4, M  
**Site ID:** APCD1994-SITE-07517  
**App ID:** ACPD2011-APP-001661

**PERMIT ID**  
**APCD2009-PTO-931032**

City of San Diego PUD Metro Biosolids  
 Skyla Wallmann  
 2392 Kincaid Rd  
 San Diego Ca, 92101

**EQUIPMENT ADDRESS**  
 City of San Diego PUD, Metro  
 Dwight Correia  
 5240 Convoy St  
 San Diego CA 92111

## 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

City of San Diego PUD Metro Biosolids Center Owner Manager 2392 Kincaid Rd, San Diego, CA 92101

### EQUIPMENT DESCRIPTION

SLUDGE PROCESSING OPERATIONS CONSISTING OF PRE-DIGESTION OPERATIONS (RAW SOLIDS RECEIVING TANKS, SLUDGE DEGRITTERS, THICKENING CENTRIFUGES, THICK-SOLIDS WET WELL, SLUDGE SCREENS, THICKENED SOLIDS BLENDING TANKS), AND POST-DIGESTION OPERATIONS (DIGESTER OVERFLOW AREA, DE-WATERING CENTRIFUGES, CENTRIFUGE BINS, SILOS, AND WEIGH MIX BINS. TRUCK LOADING BAYS FOR PROCESSED BIOSOLIDS (2), EACH CONSISTING OF: ONE (1) AUTOMATIC AND ONE (1) MANUAL STATION, ONE (1) 950 FT3 WEIGHING AND LOADING BIN WITH A SUSPENDED FLEXIBLE SHROUD FOR DUST CONTROL, ALL EQUIPMENT INTER-CONNECTED TO A FOUL AIR COLLECTION SYSTEM DRIVEN BY ONE (1) VACUUM BLOWER 1,200 HP/6,000 ACFM, 1" DIFFERENTIAL PRESSURE. ALSO EQUIPPED WITH DAMPERS TO SELECT BAY AND SELECT AUTOMATIC OR MANUAL STATION DISPATCH PROCEDURE. THE ABOVE OPERATIONS ARE CONTROLLED BY MAIN ODOR REDUCTION SYSTEM (ORS) CONSISTING OF: THREE (3) TRAINS (2 SERVICE AND 1 STANDBY) WITH EACH TRAIN CONSISTING OF: ONE 26,000 SCFM ORS FAN, ONE PACKED BED CAUSTIC SCRUBBER, TWO 13,000 SCFM DUAL BED CARBON ADSORPTION VESSELS AND ASSOCIATED PUMPS, DEMISTERS, CHEMICAL FEED SYSTEMS, PH METERS, ORP METERS, PIPING, DUCTING AND VALVES. THE ORS ALSO INCLUDES SEVEN COLLECTION FANS THROUGHOUT THE FACILITY. THE FOLLOWING EQUIPMENT IS OPTIONAL USE: THREE 8,000 SCFM PACKED BED SULFURIC ACID SCRUBBERS, ASSOCIATED PUMPS, DEMISTERS, CHEMICAL FEED SYSTEMS, PH METERS, PIPING, DUCTING AND VALVES.984682/978251/977648

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 [56B] Wastewater Odor Treatment System

BEC: APCD2012-CON-000524

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



Sectors: 4, M  
Site ID: APCD1994-SITE-07517  
App ID: ACPD2011-APP-001661

PERMIT ID  
APCD2009-PTO-931032  


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

1. All Caustic Scrubbers shall be equipped with a pH control and visual display indicating the instantaneous pH value. The pH of the caustic scrubbing solution shall be greater than or equal to 9.0, except during Scrubber start up, the duration of which shall not exceed 24 hours. pH values shall be recorded once daily. pH records shall be maintained on-site for three years and made available to District personnel upon request. All instruments and probes associated with pH control, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of the date and times of Scrubber start-up, calibration and related manufacturer's manuals shall be kept on-site for at least three years and made readily available to the District upon request. [NSR]
2. All Caustic Scrubbers shall be equipped with an Oxidation Reduction Potential (ORP) Controller and a visual display indicating the instantaneous ORP value. The ORP of the Caustic Scrubbing solution shall be greater than or equal to 575 MV, except during Scrubber start up, the duration of which shall not exceed 24 hours. ORP values shall be recorded once daily. ORP records shall be maintained on-site for three years and made available to District personnel upon request. All instruments and probes, associated with the ORP Controller, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of the date and time of Scrubber start-up, calibration and related manufacturer's manuals shall be kept on-site for at least three years and made readily available to the District upon request. [NSR]
3. Each Caustic Scrubber shall be equipped with a volumetric flow measuring device indicating the instantaneous flow of recirculation liquid solution to the Scrubber. Recirculation flow shall be 150 gallons per minute or greater for each Caustic Scrubber during Scrubber operation. Flow of recirculation liquid shall be recorded once daily. Daily Scrubber recirculation flow records shall be kept on-site for at least three years and made readily available to District personnel upon request. All instruments and probes, associated with volumetric flow measuring device, which are not automatically calibrated, shall be calibrated, as required by manufacturer's manual of operation. Records of calibration and related manufacturer's manuals shall be kept on-site for at least three years and made readily available to the District upon request.[NSR]
4. Sulfur content sampling shall be conducted on the Carbon in each Activated Carbon System using:
  - ASTM D1619-03 Method B
  - ASTM D1619-83 Method B
  - Calgon Method TM-30
  - or any other equivalent method approved prior to testing in writing by the DistrictThe sampling shall be done at the middle sampling port of each Carbon Bed. Carbon sampling shall be conducted at least once every 180 days. Records of the dates of Carbon sampling, sampling ports used and test results shall be maintained on-site for at least three years and made readily available to District personnel upon request. [Rule 20]
5. Replacement of the activated carbon in each odor reduction system using NaOH or KOH impregnated carbon is required within 180 days after the sampling date of sulfur content testing if the sulfur content testing indicates the carbon bed contains 25% total sulfur (by weight) or greater as determined by ASTM D1619-03 Method B, ASTM 1619-83 Method B, Calgon Method TM-30 or any other equivalent method approved in writing by the District. [Rule 20]
6. Replacement or regeneration of the activated carbon in each odor reduction system using "Centaur HSV" activated carbon is required within 180 days after the sampling date of sulfur content testing if sulfur content testing indicates the carbon bed contains 16% total sulfur (by weight) or greater as determined by ASTM D1619-03 Method B, ASTM D1619-83 Method B, Calgon Method TM-30 or any other equivalent method approved by the District in writing. [Rule 51]
7. Replacement of the Activated Carbon in each Odor Reduction System using Non-Impregnated Carbon is required within 180 days after the sampling date of Sulfur content testing if Sulfur content testing indicates the Carbon Bed contains 4% (by weight) total Sulfur or greater as determined by:
  - ASTM D1619-03 Method B
  - ASTM D1619-83 Method B
  - Calgon Method TM-30
  - or any other equivalent method approved by the District in writing. [Rule 51]



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8. The Activated Carbon material used for replacement of the spent active bed of an Odor Control Reduction System shall, at least, have the following Hydrogen Sulfide removal capacity: (0.14 gram H<sub>2</sub>S/CC Carbon) for NaOH or KOH Impregnated Carbon, (0.09 gram H<sub>2</sub>S/CC Carbon) for 'Centaur HSV' Activated Carbon, and (0.01-0.03 gram H<sub>2</sub>S/CC Carbon) for Non-Impregnated Carbon. [Rule 51]
9. Records of the Carbon manufacturer's Hydrogen Sulfide removal capacity, the Carbon Bed sample date, the Carbon Bed analyses laboratory results, the date(s) of the Activated Carbon replacement and/or regeneration and the manufacturer specification indicating the type of Carbon (NaOH, KOH, 'Centaur HSV' or Non-Impregnated Carbon) shall be maintained for each Carbon Bed. These records shall be maintained on-site for three years and made readily available to the District personnel upon request. [Rule 51]
10. The Odor Reduction System (ORS) and its monitoring equipment shall be maintained in good operating condition and shall be in full operation with at least two of the three ORS trains in accordance with the facility Operations and Maintenance (O&M) Manual at all times except:  
-25 hours per calendar year for scheduled full or partial facility electrical power shutdowns, and non-ORS maintenance,  
-150 hours per calendar year where the ORS equipment is completely shutdown, and  
-150 hours per calendar year the ORS equipment is partially shut-shutdown [Rule 51]
11. The ORS is considered partially shutdown when any one of the following operating scenarios occur:  
-one ORS collection fan is off, or  
-one ORS chemical feed pump is off, or  
-one ORS chemical recirculation pump is off.  
Partially shutdown may also include operating scenarios when:  
-one ORS collection fan, or  
-one ORS chemical feed pump, or  
-one ORS chemical recirculation pump shuts down in combination with the shutdown of ancillary equipment (such as probes, nozzles, meters, piping, ducting, valves or the DCS System). [Rule 20]
12. The District's Compliance Division shall be notified of all ORS scheduled shutdowns exceeding 24 hours; notification must be submitted in writing within 2 calendar days before or after any shutdown that exceed 24 hours. The O&M Manual and records of the date, duration, purpose and type of shutdown (i.e., the type of shutdown is either a full or partial facility electrical power shutdown, non-ORS maintenance, a complete shutdown or a partial shutdown) shall be maintained on-site for three years and made readily available to the District personnel upon request. [Rule 51]
13. At no time shall the subject equipment cause or contribute to a public nuisance as specified in District Rule 51. If compliance with Rule 51 cannot be demonstrated to the satisfaction of the District, the permittee will take whatever corrective action necessary to meet applicable requirements. If corrective action requires any physical change or modification to the subject equipment the permittee shall apply for and obtain an Authority to Construct for all such modifications prior to making any physical change. (Rule 51)
14. Where equipped, process covers or enclosures shall be used at all times except during periods of equipment mobilization and maintenance activities. [Rule 51]
15. The Permittee shall comply with the following applicable Requirement: Rule 52.
16. The Emergency Truck Loading Station and the Automated Truck Loading Station shall not be in operation at the same time except during functional readiness activities (i.e. maintenance activities to ensure the emergency load-out capabilities are functional). Functional readiness activities shall be limited to no more than the loading of 3 trucks per calendar year. Any simultaneous operation of the Emergency and Automated Loading Stations shall be logged the same day it occurs. The Log shall note whether the simultaneous operation was for functional readiness or emergency and include the number of trucks loaded for functional readiness. These records shall be kept on-site and readily available for inspection by the District.[Rule 51]
17. Dampers in the Automated and Manual Control Lines shall always be appropriately positioned to convey the odorous air to the Treatment System in accordance with the facility's written procedure. The written procedure shall be maintained on-site and available for District review upon request. [Rule 51]



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18. Access roads, haul roads and yards in the general area of this equipment shall be watered and/or swept to prevent dust generated by plant mobile traffic from exceeding visible dust emissions of 20% opacity at any time. [NSR]
19. All sludge hauling Trucks shall be covered to reduce odors before leaving the facility. [Rule 51]
20. Wind row drying of sludge shall not occur at the Metropolitan Bio-Solids Center. [Rule 51]
21. All process equipment shall be maintained and operated so that there is no leakage of air contaminants to the atmosphere prior to their treatment in the air pollution control system. [Rule 51]
22. 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**

23. This Air Pollution Control District Permit does not relieve the holder from obtaining permits or authorizations required by other governmental agencies.
24. 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.) [Rule 1210]

**APPENDIX B:**

**RULE REFERENCE TABLE**

<b>Rule Citation<sup>1</sup></b>	<b>Rule Title</b>	<b>A/R<sup>2</sup></b>	<b>District Adoption Date<sup>3</sup></b>	<b>SIP FR Approval Date</b>
<b>Regulation I - General Provisions</b>				
1	Title	F	04/30/80	09/28/81
2	Definitions	F	06/30/99	02/03/00 <sup>4</sup>
4	Review of Rules	F	01/01/70†	09/22/72
5	Authority to Arrest	F	03/24/76†	05/11/77

**Regulation II - Permits**

10	Permits Required	F	04/27/00	03/11/98
10.1 ††	NSPS & NESHAPS Requirements	D	11/8/76	N/A
11	Exemptions from Rule 10 Permit Requirements	D/F	05/09/12	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/F	09/18/90	Pending
17	Cancellation of Applications	F	11/25/81	03/11/98
18	Action on Applications	F	01/17/72	09/22/72
18	Action on Applications	D/F	09/18/90	Pending
19	Provision of Sampling and Testing Facilities	F	04/06/93	03/11/98
19.1 ††	NSPS & NESHAPS Provision of Sampling and Testing Facilities Requirements	D	11/08/76	N/A
19.2	Continuous Emission Monitoring Requirements	F	01/12/79	09/28/81
19.3	Emission Information	F	5/15/96	03/09/00
20	Standards for Granting Permits	D/F	04/25/89	Pending
20.1	Definitions, Emission Calculations, Emission Offsets and Banking, Exemptions, and Other Requirements	F	12/17/98	04/14/81
20.1	NSR - General Provisions	D/F	12/17/98	Pending
20.2	Standards for Authority to Construct - Best Available Air Pollution Control Technology	F	12/17/98	04/14/81
20.2	NSR - Non-major Stationary Sources	D/F	12/17/98	Pending
20.3	Standards for Authority to Construct - Air Quality Analysis	F	12/17/98	04/14/81
20.3	NSR - Major Stationary Source and PSD Stationary Source	D/F	12/17/98	Pending
20.4	Standards for Authority to Construct - Major Stationary Sources	F	12/17/98	04/14/81
20.4	NSR - Portable Emission Units	D/F	12/17/98	Pending
20.5	Power Plants	F	07/05/79	04/14/81

20.6	Standards for Permit to Operate - Air Quality Analysis	F	07/05/79	04/14/81
20.6	Standards for Permit to Operate Air Quality Analysis	D/F	12/14/87	Pending
20.8	Special Offset Requirement Relating to Banking	D	2/16/83	N/A
21	Permit Conditions	F	11/29/94	03/11/98
22	Denial of Applications	F	01/01/69†	09/22/72
23	Further Information	F	01/01/69†	09/22/72
24	Temporary Permit to Operate	F	03/20/96	10/24/08
25	Appeals	F	01/01/69†	09/22/72
25	Appeals	D/F	06/21/00	Pending
26.0	Banking of Emission Reduction Credits (ERCs) - General Requirements	D/F	10/22/97	Pending
26.1	Standards for Granting Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.2	Use of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.3	Reclassification of Class B Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.4	Permanency of Banked Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.5	Transfer of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.6	District Banking of Emission Reduction Credits (ERCs)	D/F	10/22/97	Pending
26.7	Shutdown and Related Emission Unit	D/F	10/22/97	Pending
26.8	Banking of Limited Emission Reductions	D/F	10/22/97	Pending
26.9	Emission Reduction Credit Certificates and The Emission Reduction Credit Register	D/F	10/22/97	Pending
26.10	Banking For BRAC Military Base Closure or Realignment Actions	D/F	10/22/97	Pending
27	Banking of Mobile Source Emission Reduction Credits	D/F	11/29/94	Pending
27.1	Federal Requirements for San Diego County APCD Alternative Mobile Source Emission Reduction Program Approved On 9/8/2000	F	08/06/08	06/03/09

### **Regulations III - Fees**

40	Permit Fees	D	01/01/12	N/A
42	Hearing Board Fees	D	07/01/00	N/A
44	Technical Reports, Charges for	D	12/7/83	N/A

### **Regulations IV - Prohibitions**

50	Visible Emissions	F	08/13/97	12/7/98
50.1††	NSPS & NESHAPS Visible Emissions Requirements	D	11/08/76	N/A
51	Nuisance	F	01/01/69†	09/22/72
52	Particular Matter	F	01/22/97	12/9/98
52.1††	NSPS & NESHAPS Particular Matter Requirements	D	11/08/76	N/A
53	Specific Contaminants	F	01/22/97	12/9/98
53.1	Scavenger Plants	F	01/01/69†	09/22/72
53.2††	NSPS & NESHAPS Specific Contaminants Requirements	D	11/08/76	N/A
54	Dusts and Fumes	F	01/22/97	12/9/98
54.1	NSPS & NESHAP Dust and Fumes Requirement	D	11/08/76	N/A
58	Incinerator Burning	F	01/17/73†	05/11/77
59	Control of Waste Disposal - Site Emissions	D	11/03/87	Withdrawn
59.1	Municipal Solid Waste Landfills	D	06/17/98	N/A
60	Circumvention	F	05/17/94	03/09/00
60.2	Limiting Potential to Emit - Synthetic Minor Sources	D	04/04/12	N/A
61.0	Definitions Pertaining to the Storage & Handling of Organic Compounds	F	10/16/90	09/13/93
61.1	Receiving & Storing Volatile Organic Compounds at Bulk Plants & Bulk Terminals	F	01/10/95	08/08/95
61.2	Transfer of Volatile Organic Compounds into Mobile Transport Tanks	F	07/26/00	08/26/03
61.3	Transfer of Volatile Organic Compounds into Stationary Storage Tanks	F	10/16/90	06/30/93
61.3.1	Transfer of Gasoline into Stationary Underground Storage Tanks	D	03/01/06	N/A
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	F	10/16/90	05/13/93
61.4	Transfer of Volatile Organic Compounds into Vehicle Fuel Tanks	D/F	03/26/08	Pending
61.4.1	Transfer of Gasoline from Stationary Underground Storage Tanks into Vehicles Fuel Tanks	D	03/01/06	N/A
61.5	Visible Emission Standards for Vapor Control Systems	F	09/20/78†	04/14/81
61.6	NSPS Requirements for Storage of Volatile Organic Compounds	D	01/13/87	Withdrawn
61.7	Spillage and Leakage of Volatile Organic Compounds	F	01/13/87	03/11/98
61.8	Certification Requirements for Vapor Control Equipment	F	01/13/87	03/11/98
62	Sulfur Content of Fuels	F	10/21/81	07/06/82
62.1††	NSPS Requirements for Sulfur Content of Fuels	D	11/08/76	N/A
64	Reduction of Animal Matter	F	08/21/81	07/06/82

66	Organic Solvents	F	07/25/95	08/11/98
66.1	Miscellaneous Surface Coating Operations and Other Processes Emitting VOCs	D/F	2/24/10	Pending
67.0	Architectural Coatings	F	04/09/03	03/27/97
67.0	Architectural Coatings	D/F	12/12/01	Pending
67.1	Alternative Emission Control Plans	F	05/15/96	03/27/97
67.2	Dry Cleaning Equipment Using Petroleum - Based Solvent	F	05/15/96	03/27/97
67.3	Metal Parts and Products Coating Operations	F	05/15/96	03/27/97
67.4	Metal Container, Metal Closure and Metal Coil Coating Operations	F	05/15/96	11/03/97
67.5	Paper, Film and Fabric Coating Operations	F	05/15/96	03/27/97
67.6.1	Cold Solvent Cleaning and Stripping Operations	F	5/23/07	10/13/09
67.6.2	Vapor Degreasing Operations	F	5/23/07	10/13/09
67.7	Cutback and Emulsified Asphalts	F	05/15/96	03/27/97
67.9	Aerospace Coating Operations	F	04/30/97	08/17/98
67.10	Kelp Processing and Bio-Polymer Manufacturing	F	06/25/97	06/22/98
67.11	Wood Parts and Products Coating Operations	D/F	09/25/02	Pending
67.11.1	Large Coating Operations for Wood Products	F	09/25/02	06/05/03
67.12	Polyester Resin Operations	F	05/15/96	03/27/97
67.15	Pharmaceutical and Cosmetic Manufacturing Operations	F	05/15/96	03/27/97
67.16	Graphic Arts Operations	F	05/09/12	03/27/97
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	01/19/00
67.20.1	Motor Vehicle and Mobile Equipment Coating Operations	D	06/30/10	N/A
67.21	Adhesive Material Application Operations	D	11/14/08	N/A
67.22	Expandable Polystyrene Foam Products Manufacturing Operations	D	05/15/96	N/A
67.24	Bakery Ovens	F	05/15/96	03/27/97
68	Fuel-Burning Equipment – Oxides of Nitrogen	F	09/20/94	04/09/96
68.1††	NSPS Requirements for Oxides of Nitrogen from Fuel-Burning Equipment	D	11/08/76	N/A
69	Electrical Generating Steam Boilers, Replacement Units & New Units	D	12/12/95	N/A
69.2	Industrial & Commercial Boilers, Process Heaters & Steam Generators	F	09/27/94	02/09/96
69.2.1	Small Boilers, Process Heaters and Steam Generators	D	03/25/10	N/A
69.3	Stationary Gas Turbine Engines	F	09/27/94	06/17/97
69.3	Stationary Gas Turbine Engines – RACT	D/F	12/16/98	Pending
69.3.1	Stationary Gas Turbine Engines – BARCT	D	02/24/10	N/A
69.4	Stationary Internal Combustion Engines	F	09/27/94	01/22/97
69.4	Stationary Internal Combustion Engines – RACT	D/F	07/30/03	2/25/04

69.4.1	Stationary Internal Combustion Engines - BARCT	D	11/15/00	N/A
69.5	Natural Gas-Fired Water Heaters	D	01/01/99	N/A
69.6	Natural Gas-Fired Fan-Type Central Furnaces	D	06/17/98	N/A
70	Orchard Heaters	F	01/17/72	09/22/72
71	Abrasive Blasting	F	03/30/77	08/31/78

#### **Regulation V - Procedures Before The Hearing Board**

75	Procedure Before the Hearing Board	D/F	09/17/85	Pending
75.1††	NSPS & NESHAPS Variance Procedures	D	09/17/85	7/30/79
97	Emergency Variance	D/F	07/25/95	Pending
98	Breakdown Conditions: Emergency Variance	D	07/25/95	Withdrawn

#### **Regulation VI - Burning Control**

101	Burning Control	F	09/25/02	04/30/03
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#### **Regulation VII - Validity And Effective Date**

140	Validity	F	01/01/69†	09/22/72
141	Effective Date	F	01/01/69†	09/22/72

#### **Regulation VIII - San Diego Air Pollution Emergency Plan**

126	Applicability	F	05/25/77	08/31/78
127	Episode Criteria Levels	F	09/17/91	03/18/99
128	Episode Declaration	F	09/17/91	03/18/99
129	Episode Termination	F	05/25/77	08/31/78
130	Episode Actions	F	09/17/91	03/18/99
131	Stationary Source Curtailment Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	F	04/01/81	06/21/82
132	Traffic Abatement Plan	D/F	12/17/97	Pending
133	Schools	F	05/25/77	08/31/78
134	Source Inspection	F	04/01/81	06/21/82
135	Air Monitoring Stations	F	05/25/77	08/31/78
136	Interdistrict and Interbasin Coordination	F	05/25/77	08/31/78
137	Emergency Action Committee	F	05/25/77	08/31/78
138	Procedures and Plans	F	05/25/77	08/31/78
	APPENDIX A – Persons to be Notified on Episode Declaration	F		

#### **Regulation IX - Public Records**

175	General	F	05/22/74†	05/11/77
176	Information Supplied to District	F	05/22/74†	05/11/77
177	Inspection of Public Records	F	03/30/77	08/31/78

177	Inspection of Public Records	D/F	06/20/01	Pending
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**Regulation XII - Toxic Air Contaminants**

1200	Toxic Air Contaminants - New Source Review	D	06/12/96	N/A
1202	Hexavalent Chromium - Cooling Towers	D	07/25/95	N/A
1203	Ethylene Oxide Sterilizers and Aerators	D	07/26/00	N/A
1205	Control of Dioxins Emissions from Medical Waste Incinerators	D	01/01/94	N/A
1210	Toxic Air Contaminant Public Health Risks - Public Notification and Risk Reduction	D	06/12/96	N/A

**Regulation XIV - Title V Operating Permits**

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

**Regulation XV - Federal Conformity**

1501	Conformity of General Federal Actions	F	06/22/99	04/23/99
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The following NSPS and NESHAP have been adopted locally by the District. EPA has granted the District delegation for each of these rules. Therefore, these rules, as adopted by the District are the federally applicable requirements. For all other NSPS and NESHAP, the versions cited in the CFR are the federally applicable requirements.

<b>Subpart &amp; Citation</b>	<b>Rule Title</b>	<b>District Adoption Date</b>	<b>Federal Delegation Date</b>
<b>Part 60</b>	<b>REGULATION X – STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES</b>		
A	General Provisions	Unknown 11/03/92	11/08/76
E	Standards of Performance for Incinerators	Unknown	03/30/77
I	Standards of Performance for Asphalt Concrete Plants	Unknown 01/13/87	11/08/76
L	Standards of Performance for Secondary Lead Smelters	Unknown	11/08/76
M	Standards of Performance for Secondary Brass and Bronze Ingot Production Plants	Unknown 09/17/85*	03/30/77
O	Standards of Performance for Sewage Treatment Plants	01/13/87	09/17/87
DD	Standards of Performance for Grain Elevators	Unknown	05/24/82
EE	Standards of Performance for Surface Coating Metal Furniture	03/04/86 11/03/92	03/19/87
QQ	Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing	08/24/83	12/22/83
RR	Standards of Performance for Pressure Sensitive Tape and Label Surface Coating Operations	09/17/86 11/03/92	03/19/87
SS	Standards of Performance for the Industrial Surface Coating Large Appliances	02/22/84 11/03/92*	04/24/84
TT	Standards of Performance for Metal Coil Surface Coating	02/22/84 11/03/92*	04/24/84
BBB	Standards of Performance for the Rubber Tire Manufacturing Industry	03/14/89	07/18/89
FFF	Standards of Performance for Flexible Vinyl and Urethane Coating and Printing	09/17/86	03/19/87
JJJ	Standards of Performance for Petroleum Dry Cleaners	12/15/87	07/18/89

**Regulation XI- National Emission Standards for Hazardous Air Pollutants**

**Part 61 (NESHAPS)**

A	General Provisions	01/13/87	05/24/82
C	National Emission Standard for Beryllium	Unknown	11/08/76
D	National Emission Standard for Beryllium Rocket Motor Firing	Unknown	11/08/76
E	National Emission Standard for Mercury	03/27/90	05/17/91

F	National Emission Standard for Vinyl Chloride	08/17/77 06/16/78	11/21/77
M	National Emission Standard for Asbestos	06/04/85 02/01/95	07/18/89

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

Subpart & Citation	Rule Title	A/R	Most Recent Adoption Date
<b>District Rules and Regulations Appendix A - California Airborne Toxic Control Measures (ATCM)</b>			
17 CCR § 93102	Hexavalent Chromium ATCM for Chrome Plating and Chromic Acid Anodizing Operations	D/F	12/7/06
17 CCR § 93109	ATCM For Emissions of Perchloroethylene From Dry Cleaning Operations	F	01/25/07
17 CCR §93101.5	ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying	D	09/30/05
17 CCR § 93105	ATCM for Construction, Grading, Quarrying, and Surface Mining Operations	D	07/26/01
17 CCR § 93106	Asbestos ATCM for Surface Applications	D	07/20/00
17 CCR § 93107	ATCM For Emissions of Toxic Metals From Non-Ferrous Metal Melting	D	01/14/93
17 CCR § 93111	ATCM for Emissions of Chlorinated Toxic Air Contaminants from Automotive Maintenance and Repair Activities	D	04/27/00
17 CCR § 93112	ATCM for Emissions of Hexavalent Chromium and Cadmium from Motor Vehicle and Motor Equipment Coatings	D	09/20/01
17 CCR § 93113	ATCM to Reduce Emissions of Toxic Air Contaminants from Outdoor Residential Waste Burning	D	02/03/03
17 CCR § 93115	ATCM for Stationary Compression Ignition Engines	D	05/19/11
17 CCR § 93116	ATCM for Portable Diesel-Fueled Engines	D	02/19/11

<b>Subpart &amp; Citation</b>	<b>Rule Title</b>	<b>A/R</b>	<b>Most Recent Adoption Date</b>
<b>Part 63</b>			
<b>District Rules and Regulations Appendix B - National Emission Standards for Hazardous Air Pollutants (NESHAP) For Source Categories</b>			
A	General Provisions	F	05/16/07
N	Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	F	04/20/06
O	Ethylene Oxide Sterilization Facilities	F	12/28/07
R	Gasoline Distribution	F	01/24/11
T	Halogenated Solvent Cleaning	F	09/08/00
DD	Off-site Waste & Recovery Operations	F	07/20/99
GG	Aerospace Manufacturing and Rework Facilities	F	12/08/00
II	Shipbuilding and Ship Repair (Surface Coating)	F	12/15/95
JJ	Wood Furniture Manufacturing Operations	F	12/28/98
VVV	Publicly Owned Treatment Works	F	10/21/02
AAAA	Municipal Solid Waste Landfills	F	01/16/03
EEEE	Organic Liquids Distribution (non-gasoline)	F	07/17/08
MMMM	Surface Coating of Miscellaneous Metal Parts and Products	F	04/26/04
PPPP	Plastic Parts (surface coating)	F	04/24/07
SSSS	Surface Coating of Metal Coil	F	03/17/03
VVVV	Boat Manufacturing	F	08/22/01
WWWW	Reinforced Plastic Composites Production	F	8/25/05
YYYY	Stationary Combustion Turbines	F	08/18/04
ZZZZ	Stationary Reciprocating Internal Combustion Engines	F	03/09/11
DDDDD	Industrial, Commercial, and Institutional Boilers and Process Heaters	F	05/18/11
GGGGG	Site Remediation	F	11/29/06
HHHHH	Miscellaneous Coating Manufacturing	F	10/04/06
PPPPP	Engine Test Cells/Stands	F	08/28/03
WWWWW	Hospital Ethylene Oxide Sterilizers Area Sources	F	12/28/07

BBBBBB	Gasoline Distribution Bulk Terminals, Bulk Plants, and Pipeline Facilities	F	01/24/11
CCCCCC	Gasoline Dispensing Facilities	F	01/24/11
HHHHHH	Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources	F	01/09/08
JJJJJJ	Area Sources: Industrial, Commercial, and Institutional Boilers	F	3/21/11
QQQQQQ	Wood Preserving Area Sources	F	07/16/07
VVVVVV	Chemical Manufacturing Area Sources	F	11/29/09
WWWWW W	Plating and Polishing Operations Area Sources	F	07/01/08
XXXXXX	Metal Fabrication and Finishing Area Sources	F	7/23/08
AAAAAAA	Asphalt Processing and Asphalt Roofing Manufacturing Area Sources	F	12/02/09
CCCCCCC	Paint and Allied Products Manufacture Area Sources	F	12/03/09

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

<b>Subpart &amp; Citation</b>	<b>Rule Title</b>	<b>Latest EPA Promulgation Date</b>	<b>District Adoption Date</b>	<b>Delegation Date</b>
<b>Part 60 District Rules and Regulations Appendix C - Standards of Performance for New Stationary Sources (NSPS)</b>				
D	Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	10/17/00 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Da	Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978	06/11/01 01/28/09	10/17/01 06/24/09	01/03/08 Pending
Db	Standards of Performance for Industrial-Commercial - Institutional Steam Generating Units	10/01/01 01/28/09	04/25/01 06/24/09	01/03/08 Pending
Dc	Standards of Performance for Small Industrial-Commercial -Institutional Steam Generating Units	05/08/96 01/28/09	08/13/97 06/24/09	06/24/98 Pending
GG	Standards of Performance for Stationary Gas Turbines	06/27/89 02/24/06	10/17/01 02/25/09	01/03/08 Pending
K	Standards of Performance for Small Vessels for Petroleum Liquids Construct After June 11, 1973 and Prior to May 19, 1978	10/17/00	06/20/07	01/03/08
Ka	Standards of Performance for Storage Vessels for Petroleum Liquids Construction After May 128, 1978	12/14/00	06/20/07	01/03/08
Kb	Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels Which Construction, Reconstruction, or Modification Commenced After July 23, 1984	10/15/03	06/20/07	01/03/08
AAA	Standards of Performance for New Residential Wood Heaters	06/12/99 10/17/00	04/12/00 N/A	01/03/08 N/A
OOO	Standards of Performance for Nonmetallic Mineral Processing Plants	06/09/97 10/17/00	04/28/99 N/A	05/28/02 N/A
UUU	Standards of Performance for Calciners and Dryers in Mineral Industries	07/29/93 10/17/00	11/17/99 N/A	05/28/02 N/A
VVV	Standards for Polymeric Coating of Supporting Substrates Facilities	09/11/89	05/23/07	01/03/08
WWW	Standards of Performance for Municipal Solid Waste Landfills	04/10/00	08/13/97	06/24/98
AAAA	Standards of Performance for Small Municipal Waste Combustion Units	12/06/00	06/20/07	01/03/08
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units	12/01/00	06/20/07	01/03/08
EEEE	Standards of Performance for Other Solid Waste Incineration Units	12/16/05	06/20/07	01/03/08
KKKK	Standards of Performance for Stationary Combustion Turbines	07/06/06	02/25/09	06/01/09

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

Subpart & Citation	Rule Title	Latest EPA Promulgation Date	District Adoption Date	Delegation Date
<b>Part 60</b>				
III	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	07/11/06	N/A	N/A
JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines	01/18/08	N/A	N/A

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

**APPENDIX C: ABBREVIATIONS THAT MAY APPEAR IN THIS PERMIT**

APCO		Air Pollution Control Officer
ASTM		American Society for Testing and Methods
BACT		Best Available Control Technology
CAA		Federal Clean Air Act
CFR		Code of Federal Regulations
CO		Carbon Monoxide
CO2		Carbon Dioxide
District		San Diego County Air Pollution Control District
EF		Emission Factor
EPA		US Environmental Protection Agency
HAP		Hazardous Air Pollutant
I&M		Inspection and Maintenance
NESHAP		National Emission Standard for Hazardous Air Pollutants
NSPS		New Source Performance Standards
NSR		New Source Review
[NSR]		New Source Review based condition
NO <sub>x</sub>		Oxides of nitrogen
O <sub>2</sub>		Oxygen
OES		Office of Environmental Services
O&M		Operation and maintenance
Pb		Lead
PM		Total Particulate Matter
PM10	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 <sub>x</sub>		Oxides of sulfur
Title IV		Title IV of the federal Clean Air Act
Title V		Title V of the federal Clean Air Act
VOC		Volatile organic compound

Units of Measure:

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

scfm  
yr

=  
=

standard cubic feet per minute  
year