

# Bay Area Air Quality Management District

939 Ellis Street  
San Francisco, CA 94109  
(415) 771-6000

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**Final**

## MAJOR FACILITY REVIEW PERMIT

**Issued To:**

**United Airlines - San Francisco Maintenance Center  
Facility #A0051**

**Facility Address:**

Maintenance Base Bldg 49-2 - SFOMP  
San Francisco International Airport  
San Francisco, CA 94128-3800

**Mailing Address:**

Same As Above

**Responsible Official**

Jim Keenan,  
Senior V.P. Technical Operations  
(650) 634-4300

**Facility Contact**

David Weintraub,  
Environmental Compliance  
(650) 634-4572

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<b>Type of Facility:</b>	Aircraft Maintenance	BAAQMD Permit Division Contact:
<b>Primary SIC/NAICS:</b>	4581/488190	Fred Tanaka
<b>Product:</b>	Commercial Aircraft Maintenance	

### ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Jeff McKay for Jack P. Broadbent  
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

July 22, 2011  
Date

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## I. STANDARD CONDITIONS

### A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

- BAAQMD Regulation 1 - General Provisions and Definitions  
(as amended by the District Board on 7/9/08);
- SIP Regulation 1 - General Provisions and Definitions  
(as approved by EPA through 6/28/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements  
(as amended by the District Board on 3/4/09);
- SIP Regulation 2, Rule 1 - Permits, General Requirements  
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review  
(as amended by the District Board on 6/15/05);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration  
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking  
(as amended by the District Board on 12/21/04);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking  
(as approved by EPA through 1/26/99).
- BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants  
(as adopted by the District Board on 6/15/05);
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review  
(as amended by the District Board on 4/16/03); and
- SIP Regulation 2, Rule 6 – Permits, Major Facility Review  
(as approved by EPA through 6/23/95)

### B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on July 22, 2011 and expires on July 21, 2016. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than January 21, 2016 and no earlier than July 21, 2015. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after July 21, 2016.** If the permit renewal has not been issued by July 21, 2016, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

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## I. Standard Conditions

3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

## **I. Standard Conditions**

### **C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

### **D. Inspection and Entry**

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### **E. Records**

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

### **F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be March 17, 2000 to August 31, 2000. The report shall be submitted by September 30, 2000. Subsequent reports shall be for the following periods: September 1<sup>st</sup> through February 28<sup>th</sup> or 29<sup>th</sup> and March 1<sup>st</sup> through August 31<sup>st</sup>, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
Attn: Title V Reports

(Regulation 2-6-502; MOP Volume II, Part 3, §4.7)

### **G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be March 1<sup>st</sup> through February 28<sup>th</sup> or 29<sup>th</sup> of each year. The certification shall be submitted by March 31<sup>st</sup> of each year. The

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## **I. Standard Conditions**

certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division  
USEPA, Region IX  
75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

## **H. Emergency Provisions**

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

## **I. Severability**

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

## **J. Miscellaneous Conditions**

The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

## **K. Accidental Release**

This facility is subject to 40 CFR Part 68, Chemical Accident Prevention Provisions. The permit holder shall submit a risk management plan (RMP) by the date specified in §68.10. The permit holder shall also certify compliance with the requirements of Part 68 as part of the annual compliance certification, as required by Regulation 2, Rule 6. (40 CFR Part 68, Regulation 2, Rule 6)

## II. EQUIPMENT

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

**Table II A - Permitted Sources**

S-#	Description	Make or Type	Model	Capacity
1	Solvent Spray Booth, PV 90114	Unknown	Unknown	N/A
9	Solvent Spray Booth, PV 90120	Unknown	Unknown	N/A
10	Solvent Spray Booth, PV 90121	Unknown	Unknown	N/A
16	Chrome Plate Tank #35	Custom	N/A	N/A
17	Chrome Plate Tank #37	Custom	N/A	N/A
18	Chrome Plate Tank #38	Custom	N/A	N/A
19	Chrome Plate Tank #40	Custom	N/A	N/A
20	Chrome Plate Tank #42	Custom	N/A	N/A
21	Chrome Plate Tank #44	Custom	N/A	N/A
22	Chrome Plate Tank #45	Custom	N/A	N/A
23	Chrome Plate Tank #47	Custom	N/A	N/A
56	Spray Cleaning – Preclean Room	Unknown	Unknown	N/A
57	Solvent Spray Booth, PV 90112	Unknown	Unknown	N/A
61	Paint Spray Booth, PV 90207	Binks	Unknown	N/A
64	Solvent Spray Booth, PV 90117	Unknown	Unknown	N/A
78	Solvent Spray Booth, PV 90109	Unknown	N/A	N/A
80	Solvent Spray Booth, PV 90126	Unknown	Unknown	N/A
87	APU Test Cell #1	Pratt and Whitney	Various	N/A
88	APU Test Cell #2	Pratt and Whitney	Various	N/A
89	Engine Test Cell #4	Pratt and Whitney	Various	N/A
90	Engine Test Cell #5	Pratt and Whitney	Various	N/A
92	Aircraft Wash Area	Custom	N/A	N/A
95	Boiler #8006	B&W	FM	96 MMBTU/hr – Natural Gas
96	Boiler #8007	B&W	FM	96 MMBTU/hr – Natural Gas
97	Dock 1 Touch-Up Painting	Unknown	Custom	N/A
98	Dock 2 Touch-Up Painting	Unknown	Custom	N/A
99	Dock 3 Touch-Up Painting	Unknown	Custom	N/A
100	Dock 4 Touch-Up Painting	Unknown	Custom	N/A
101	Dock 5 Touch-Up Painting	Unknown	Custom	N/A
102	Dock 6 Touch-Up Painting	Unknown	Custom	N/A
103	Dock 7 Touch-Up Painting	Unknown	Custom	N/A
104	B29 Touch-Up Painting	Unknown	Custom	N/A
105	Solvent Spray Booth, PV 90104	Unknown	Unknown	N/A
110	Varnish Dip Tank, with associated Electric Curing Ovens	N/A	Custom	N/A
112	Solvent Spray Booth, PV 90105	N/A	Unknown	N/A
123	Paint Spray Booth, PV 90213	Custom	N/A	N/A

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## II. Equipment

**Table II A - Permitted Sources**

S-#	Description	Make or Type	Model	Capacity
126	Bonding Shop Paint Booth, PV 90132, with associated Electric Drying Oven	DeVilbiss	Dynaclean	N/A
128	Solvent Spray Booth, PV 90103	Unknown	Unknown	N/A
140	Solvent Spray Booth, PV 90108	Unknown	Unknown	N/A
146	Paint Spray, Cabin Equipment, PV 90211	Unknown	Unknown	N/A
155	Paint Spray Booth, PV 90219	Binks	M-CWW-S28-T	N/A
156	Paint Spray Booth, PV 90218	Binks	WE-18-10-T-LH	N/A
157	Paint Spray Booth, PV 90217	Binks	M-WE-10-7-T-LH	N/A
189	Curing Oven, PV 52160	Grieve	B1-650	N/A
191	Varnish Dip Tank, with associated Electric Curing Oven	Unknown	N/A	160 gallons
195	Combustion Turbine	GE	LM2500-33	250 MMBTU/hr - Natural Gas/Liquid Fuel
196	Duct Burner	Coen	Low NOx	20 MMBTU/hr – Natural Gas
198	Wipe Cleaning Operation	N/A	N/A	N/A
240	Miscellaneous Resin Laminating	Custom	N/A	N/A
244	Dissolved Air Flotation Unit	Eimco	N/A	700 gallons per minute
258	Oil Cooler Flush Cart, PV12219	Bauer	9056001	75 gallons
262	Adhesive Application and Stripping Operation	Binks	Exhaust-O-Bench	N/A
275	Tire Shop Maintenance and Repair	N/A	N/A	N/A
280	Paint Spray Booth	Andreae	N/A	N/A
284	Oil Cooler Flush Cart, PV12129	Testek	10190	100 gallons
285	Non-Retail Gasoline Dispensing Facility G#916	1 Gasoline Tank, 1 Gasoline Nozzle	Hoover Vault	10,000 gallons
288	Recycling Parts Washer	System One	Series 500	30 gallons
289	Recycling Parts Washer	System One	Series 500	30 gallons
290	Recycling Parts Washer	System One	Series 500	30 gallons
291	Parts Washer, PV90141	Kleer-Flo Cleanmaster	Model 65	35 gallons
292	Parts Washer, PV90143	Kleer-Flo Cleanmaster	Model 65	35 gallons
293	Parts Washer, PV90125	Kleer-Flo Cleanmaster	Model 65	35 gallons
295	Emergency Standby Engine	Detroit Diesel	3-53	150 hp, Diesel fuel
296	Emergency Standby Engine	Detroit Diesel	3-53	150 hp, Diesel fuel
297	Emergency Standby Engine	Detroit Diesel	6-71	230 hp, Diesel fuel
300	Emergency Standby Engine	Detroit Diesel	8V-92	400 hp, Diesel fuel
301	Emergency Standby Engine	Isuzu	Unknown	200 hp, Diesel fuel
302	Standby Generator	Dayton	4W118C	80 hp, LPG
304	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
305	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
306	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel

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## II. Equipment

**Table II A - Permitted Sources**

S-#	Description	Make or Type	Model	Capacity
307	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
308	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
309	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
310	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
311	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
312	Emergency Standby Engine, Fire Pump	Cummins	NT380	380 hp, Diesel fuel
313	Emergency Standby Engine, Fire Pump	Cummins	C464	300 hp, Diesel fuel
314	Emergency Standby Engine, Fire Pump	Hatz	D108N	51 hp, Diesel fuel
315	Emergency Standby CI Engine	Detroit Diesel	12V-92TA	947 hp, Diesel fuel
316	Thermal Spray Booth #2	METCO	N/A	N/A
317	Thermal Spray Booth #3	METCO	N/A	N/A
318	Thermal Spray Booth #5	METCO	N/A	N/A
319	Thermal Spray Booth #7	METCO	N/A	N/A
320	Thermal Spray Booth #8	METCO	N/A	N/A
321	Thermal Spray Booth #9	METCO	N/A	N/A
322	Thermal Spray Booth #10	METCO	N/A	N/A
323	Thermal Spray Booth #11	METCO	N/A	N/A
326	Emergency Standby CI Engine	Cummins	750DQFAA	1102 hp, Diesel fuel
327	Aircraft Generator Repair Station	Dual Draw JustRite Kleentec	WI 27615 KT1045	Four 5-gallon dip tanks & 45-gallon parts cleaner
328	Parts Cleaner	Safety Kleen	81	77 gallons
329	Parts Cleaner	Safety Kleen	81	77 gallons
330	Parts Cleaner (Bearing Inspection)	Magnus Miji	24-1X	85 gallons
331	Parts Cleaner (Landing Gear)	Safety Kleen	81	77 gallons
333	Emergency Standby CI Engine	Caterpillar	C18	900 hp, Diesel Fuel

## II. Equipment

**Table II B – Abatement Devices**

<b>A-#</b>	<b>Description</b>	<b>Source(s) Controlled</b>	<b>Applicable Requirement</b>	<b>Operating Parameters</b>	<b>Limit or Efficiency</b>
33	SCR-NOx control with CO catalyst	195, 196	BAAQMD Condition #23670	C.E.M.	9 ppmv @ 15% O <sub>2</sub> (NOx), 50% CO Reduction
123	3-Stage Dry Filtration System	123	BAAQMD Condition #21946		95% reduction of inorganic HAPs
216	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	16	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
217	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	17	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
218	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	18	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
219	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	19	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
220	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	20	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
221	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	21	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
222	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	22	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
223	Dry Scrubber with 3-Stage Kimre Composite Mesh Pads	23	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
316	Donaldson Torit Downflo II w/ HEPA	316	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
317	Donaldson Torit Downflo II w/ HEPA	317	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
318	Donaldson Torit Downflo II w/ HEPA	318	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
319	Donaldson Torit Downflo II w/ HEPA	319	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
320	Donaldson Torit Downflo II w/ HEPA	320	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
321	Donaldson Torit Downflo II w/ HEPA	321	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns

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## II. Equipment

**Table II B – Abatement Devices**

<b>A-#</b>	<b>Description</b>	<b>Source(s) Controlled</b>	<b>Applicable Requirement</b>	<b>Operating Parameters</b>	<b>Limit or Efficiency</b>
322	Donaldson Torit Downflo II w/ HEPA	322	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
323	Donaldson Torit Downflo II w/ HEPA	323	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
416	HEPA filter	16, 17	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
418	HEPA filter	18, 19	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
420	HEPA filter	20, 21	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr
422	HEPA filter	22, 23	BAAQMD Condition #23542	Pressure differential	0.0015 mg/amp-hr

### III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9’s website. The address is <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

**NOTE:**

There are differences between the current BAAQMD rule and the version of the rule in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District’s revision of the regulation.

**Table III  
Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (7/9/08)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (3/4/09)	N
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 2, Rule 2	Permits, New Source Review (06/15/05)	N
SIP Regulation 2, Rule 2	Permits, New Source Review (1/26/99)	Y
BAAQMD Regulation 2, Rule 4	Permits, Emissions Banking (12/21/04)	N
SIP Regulation 2, Rule 4	Permits, Emissions Banking (01/26/99)	Y
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (1/6/10)	N
BAAQMD Regulation 2, Rule 6	Permits, Major Facility Review (4/16/03)	N
SIP Regulation 2, Rule 6	Permits, Major Facility Review (6/23/95)	Y
BAAQMD Regulation 3	Fees (6/16/10)	N

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### III. Generally Applicable Requirements

**Table III  
 Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
SIP Regulation 3	Fees (5/03/84)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter and Visible Emissions (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions 09/04/1998)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	Y
SIP Regulation 8, Rule 2	Organic Compounds, Miscellaneous Operations (3/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds – Solvent Cleaning Operations (8/26/03)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds, Contaminated Soil and UST Removal (6/15/05)	N
SIP Regulation 8, Rule 40	Organic Compounds, Contaminated Soil and UST Removal (4/19/01)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds – Air Stripping and Soil Vapor Extraction Operations (4/26/95)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	Y
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N

### III. Generally Applicable Requirements

**Table III  
 Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
California Health and Safety Code Title 17, Section 93101.5	Airborne Toxic Control Measure to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying (10/17/06)	N
California Health and Safety Code Title 17, Section 93102	Airborne Toxic Control Measure for Chromium Plating and Chromic Acid Anodizing Facilities (10/24/07)	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines (5/19/11)	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (2/19/11)	N
40 CFR Part 60 Subpart GG	Standards of Performance for New Stationary Sources (NSPS) - Standards of Performance for Stationary Gas Turbines (2/24/06)	Y
40 CFR Part 61 Subpart M	National Emission Standards for Hazardous Air Pollutants – Asbestos (7/20/04)	Y
40 CFR Part 63 Subpart GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities (4/20/06)	Y
Subpart ZZZZ, 40 CFR Part 63	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (6/15/04)	Y
EPA Regulation 40 CFR Part 82 Subpart E, 40 CFR 82.106	Protection of Stratospheric Ozone (12/15/09) Containers containing a Class I or Class II substance and products containing or manufactured with a Class I substance (4/13/05)	Y
Subpart E, 40 CFR 82.108	Warning statements (4/13/05)	Y
Subpart E, 40 CFR 82.110	Labels (4/13/05)	Y
Subpart E, 40 CFR 82.112	Modification, removal, or interference with warning statements (4/13/05)	Y
Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions - Required Practices (4/13/05)	Y
Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions - Technician Certification (4/13/05)	Y
Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions - Reporting and Recordkeeping Provisions (4/13/05)	Y

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. All other text may be found in the regulations themselves.

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140: SOLVENT CLEANING**  
**OPERATIONS**  
**S56: SPRAY CLEANING – PRECLEAN ROOM**  
**S258: OIL COOLER FLUSH CART**  
**S284: OIL COOLER FLUSH CART**  
**S288, S289, S290: RECYCLING PARTS WASHERS**  
**S291, S292, S293: PARTS WASHERS**  
**S328, S329, S330, S331: PARTS CLEANERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-303	Cold Cleaner Requirements	Y	
8-16-303.1	General Operating Requirements	Y	
8-16-303.1.2	Leak Repair Requirement	Y	
8-16-303.1.3	Solvent Storage or Disposal – Evaporation Prevention	Y	
8-16-303.1.4	Waste Solvent Disposal	Y	
8-16-303.1.5	Solvent Evaporation Minimization Devices shall not be Removed	Y	
8-16-303.1.6	Solvent Spray Requirements	Y	
8-16-303.2	Cold Cleaner Operating Requirements	Y	
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	

## IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140: SOLVENT CLEANING**  
**OPERATIONS**  
**S56: SPRAY CLEANING – PRECLEAN ROOM**  
**S258: OIL COOLER FLUSH CART**  
**S284: OIL COOLER FLUSH CART**  
**S288, S289, S290: RECYCLING PARTS WASHERS**  
**S291, S292, S293: PARTS WASHERS**  
**S328, S329, S330, S331: PARTS CLEANERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-303.2.2	Solvent Agitation	Y	
8-16-303.2.3	Solvent Cleaning of Porous or Absorbent Materials is Prohibited	Y	
8-16-303.3	Cold Cleaner General Equipment Requirements	Y	
8-16-303.3.1	Container	Y	
8-16-303.3.2	Solvent Evaporation Reduction for Idle Equipment	Y	
8-16-303.3.3	Used Solvent Returned to Container	Y	
8-16-303.3.4	Label Stating Operating Requirements	Y	
8-16-303.4	Control Device (one of the following, except as provided in 8-16-303.5)	N	
8-16-303.4.1	Freeboard Ratio $\geq 0.75$	Y	
8-16-303.4.2	Water Cover	Y	
8-16-303.4.3	Freeboard Chiller	Y	
8-16-303.4.4	Approved Emission Control Device	Y	
8-16-303.4.5	Enclosed Design	Y	
8-16-303.5	Repair and Maintenance Cleaning (one of the following)	Y	
8-16-303.5.1	Solvent VOC $\leq 50$ g/l	Y	
8-16-303.5.2	Use VMS Cleaning Solution	Y	
8-16-303.5.3	Non VMS Portion of Cleaning Solution VOC $\leq 50$ g/l	Y	
8-16-303.5.4	Approved Emission Control Device	Y	
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-wide Annual Solvent Usage Records	Y	
8-16-501.5	Records Retained for Previous 24 Month Period	Y	
<b>40 CFR Part 63 Subpart GG</b>	<b>National Emission Standards for Aerospace Manufacturing and Rework Facilities (4/20/06)</b>		
63.744	Standards: Cleaning Operations	Y	
63.744 (a)	Housekeeping Measures	Y	
63.744 (a)(1)	Closed Containers for Solvent Laden Materials	Y	
63.744 (a)(2)	Closed Containers for Fresh or Spent Solvents	Y	
63.744 (a)(3)	Solvent Handling – Spill Minimization	Y	
63.744 (d)	Flush Cleaning – Enclosed Containers	Y	
63.752	Recordkeeping Requirements	Y	
63.752(b)(1)	Name, Vapor Pressure, and HAP Content of Each Cleaning Solvent	Y	
63.753	Reporting Requirements	Y	
63.753(b)(1)	Semiannual Reports	Y	
<b>BAAQMD Cond #9044</b>	<b>Permit Condition For S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140</b>		

Renewal Date: July 22, 2011



#### IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140: SOLVENT CLEANING**  
**OPERATIONS**  
**S56: SPRAY CLEANING – PRECLEAN ROOM**  
**S258: OIL COOLER FLUSH CART**  
**S284: OIL COOLER FLUSH CART**  
**S288, S289, S290: RECYCLING PARTS WASHERS**  
**S291, S292, S293: PARTS WASHERS**  
**S328, S329, S330, S331: PARTS CLEANERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 1	Annual Solvent Usage Limit [Offsets]	Y	
Part 2	Recordkeeping [Offsets]	Y	
<b>BAAQMD Cond #8016</b>	<b>Permit Condition For S258</b>		
Part 1	Net Solvent Usage Limit [Offsets]	Y	
Part 2	Recordkeeping [Offsets]	Y	
<b>BAAQMD Cond #18250</b>	<b>Permit Condition For S284</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Recordkeeping [Cumulative Increase, Regulation 2, Rule 5]	Y	
<b>BAAQMD Cond #18484</b>	<b>Permit Condition For S288, S289, S290</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Recordkeeping [Cumulative Increase, Regulation 2, Rule 5]	Y	
<b>BAAQMD Cond #18260</b>	<b>Permit Condition For S291, S292, S293</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Recordkeeping [Cumulative Increase, Regulation 2, Rule 5]	Y	
<b>BAAQMD Cond #23500</b>	<b>Permit Condition For S328, S329</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase, TBACT]	Y	
Part 2	Recordkeeping [Cumulative Increase, Reg. 8-16-501]	Y	
<b>BAAQMD Cond #23707</b>	<b>Permit Condition For S330</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase, BACT]	Y	
Part 2	Recordkeeping [Cumulative Increase, Reg. 8-16-501]	Y	
<b>BAAQMD Cond #23737</b>	<b>Permit Condition For S331</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase, BACT]	Y	
Part 2	Recordkeeping [Cumulative Increase, Reg. 8-16-501]	Y	

## IV. Source-specific Applicable Requirements

**Table IV - B**  
**Source-specific Applicable Requirements**  
**S16, S17, S18, S19, S20, S21, S22, S23: CHROME PLATING OPERATIONS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 11, Rule 8</b>	<b>Hazardous Pollutants – Hexavalent Chromium Airborne Toxic Control Measure for Chrome Plating and Chromic Acid Anodizing Operations (11/4/98)</b> – Adoption of Section 93102, Subchapter 7.5, Chapter 1, Division 3, Title 17 of the California Code of Regulations	Y	
<b>CCR, Title 17, Section 93102 – 93102.16</b>	<b>Airborne Toxic Control Measure for Chromium Plating and Chromic Acid Anodizing Facilities (10/24/2007)</b>	N	
§ 93102.4	Requirements for Existing, Modified, and New Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities	N	
§ 93102.4(b)(1)	Limits that Apply to All Existing Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities after October 24, 2007	N	
§ 93102.4(b)(2)(B)	Demonstrating Compliance with the Emission Limitation in Table 93102.4	N	
§ 93102.5	Requirements that Apply to Existing, Modified, and New Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities Beginning October 24, 2007	N	
§ 93102.5(a)	Removal of Add-on Pollution Control Device(s)	N	
§ 93102.5(b)	Environmental Compliance Training	N	
§ 93102.5(c)	Housekeeping Requirements	N	
§ 93102.7	Performance Test Requirements and Test Methods	N	
§ 93102.7(a)	Performance Test Requirements	N	
§ 93102.9	Parameter Monitoring Requirements	N	
§ 93102.9(a)	Ampere-hours	N	
§ 93102.9(b)	Pressure drop	N	
§ 93102.10	Inspection and Maintenance Requirements	N	
§ 93102.10(a)	Table 93102.10 – Summary of Inspection and Maintenance Requirements	N	
§ 93102.11	Operation and Maintenance Plant (O & M Plan) Requirements	N	
§ 93102.11(a)	Prepare the O & M Plan	N	
§ 93102.11(b)	Retain the O & M Plan	N	
§ 93102.11(c)	Changes to the O & M Plan	N	
§ 93102.11(d)	Revisions to the O & M Plan to Address Breakdowns	N	
§ 93102.12	Recordkeeping Requirements	N	
§ 93102.12(a)	Inspection records	N	
§ 93102.12(b)	Performance test records	N	
§ 93102.12(c)	Monitoring data records	N	
§ 93102.12(d)	Breakdown records	N	
§ 93102.12(e)	Records of excesses	N	
§ 93102.12(g)	Records of annual ampere-hour use	N	
§ 93102.12(j)	New/modified source review information	N	
§ 93102.12(k)	Housekeeping records	N	
§ 93102.12(l)	Records retention	N	
§ 93102.13	Reporting Requirements	N	
§ 93102.13(a)	Performance test documentation	N	
§ 93102.13(c)	Ongoing compliance status reports	N	

Renewal Date: July 22, 2011

#### IV. Source-specific Applicable Requirements

**Table IV - B**  
**Source-specific Applicable Requirements**  
**S16, S17, S18, S19, S20, S21, S22, S23: CHROME PLATING OPERATIONS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
§ 93102.13(d)	Reports of breakdowns	N	
§ 93102.13(f)	Adjustments to the timeline for submittal and format of reports	N	
§ 93102.14	Procedure for Establishing Alternative Requirements	N	
§ 93102.14(a)	Request approval of an Alternative Requirement	N	
§ 93102.14(b)	Approval of an Alternative Requirement	N	
§ 93102.14(c)	Concurrence for an Alternative Requirement	N	
§ 93102.14(d)	Reports of Approved Alternative Requirements to U.S. EPA and ARB	N	
§ 93102.14(e)	Approval Criteria	N	
§ 93102.14(f)	Alternatives Approved by U.S. EPA	N	
<b>BAAQMD Cond #23542</b>			
Part 1	Performance Standards [93102.4(b)(1), 93102.2(b)]	N	
Part 2	Abatement [TBACT]	N	
Part 3	Source Testing [93102.7]	N	
Part 4	Training [93102.5(b)]	N	
Part 5	Housekeeping [93102.5(c)]	N	
Part 6	Monitoring [93102.10(a), 93102.12(c)(1), 93102.9(b)]	N	
Part 7	Operation & Maintenance (O&M) Plan [93102.11]	N	
Part 8	Inspection & Maintenance Frequency [93102.10(a) and Reg. 2-5]	N	
Part 9	Recordkeeping [93102.12]	N	
Part 10	Reporting [93102.13(a), 93102.13(c)]	N	

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS**  
**S97, S98, S99, S100, S101, S102, S103, S104: AIRCRAFT PAINTING DOCKS**  
**S275: TIRE SHOP MAINTENANCE AND REPAIR**  
**S280: PAINT SPRAY BOOTH**  
**S327: AIRCRAFT GENERATOR REPAIR STATION**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-1-322	Spray Equipment Cleanup Limitation	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS**  
**S97, S98, S99, S100, S101, S102, S103, S104: AIRCRAFT PAINTING DOCKS**  
**S275: TIRE SHOP MAINTENANCE AND REPAIR**  
**S280: PAINT SPRAY BOOTH**  
**S327: AIRCRAFT GENERATOR REPAIR STATION**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 29</b>	<b>Organic Compounds – Aerospace Assembly and Component Coating Operations (12/20/95)</b>		
8-29-302	Coating VOC Limitations	Y	
8-29-304	Solvent Evaporative Loss Minimization	Y	
8-29-304.1	Closed Containers for Solvent Impregnated Paper or Cloth	Y	
8-29-304.2	No Organic Compounds for Cleanup of Spray Equipment Unless Controls are Used	Y	
8-29-304.3	Closed Containers of Solvent or Coating	Y	
8-29-308	Prohibition of Specification	Y	
8-29-310	Spray Application Equipment Limitations	Y	
8-29-501	Records	Y	
8-29-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-29-501.2	Weekly Coating Usage Records	Y	
8-29-501.4	Monthly Cleanup Solvent Usage	Y	
8-29-501.6	Records Retention	Y	
<b>40 CFR Part 63 Subpart GG</b>	<b>National Emission Standards for Aerospace Manufacturing and Rework Facilities (4/20/06)</b>		
63.744	Standards: Cleaning Operations	Y	
63.744 (a)	Housekeeping Measures	Y	
63.744 (a)(1)	Closed Containers for Solvent Laden Materials	Y	
63.744 (a)(2)	Closed Containers for Fresh or Spent Solvents	Y	
63.744 (a)(3)	Solvent Handling – Spill Minimization	Y	
63.744(c)	Spray Gun Cleaning Techniques	Y	
63.745	Standards: Primer and Topcoat Application Operations	Y	
63.745(b)	Spill Minimization	Y	
63.745(c)	HAP and VOC Limits for Uncontrolled Coatings	Y	
63.745(e)	Compliance Methods	Y	
63.745(f)	Application Equipment	Y	
63.745(f)(1)	Acceptable Application Techniques	Y	
63.745(f)(2)	Proper Operation of Application Devices	Y	
63.745(g)	Control of Inorganic HAP Emissions as Particulate	Y	
63.751	Monitoring Requirements	Y	
63.751(a)	Monitoring of Enclosed Spray Gun Cleaners	Y	
63.751(c)	Monitoring of Particulate Control Equipment	Y	
63.752	Recordkeeping Requirements	Y	
63.752(b)(1)	Name, Vapor Pressure, and HAP Content of Each Cleaning Solvent	Y	
63.752(c)(1)	Name and VOC of Each Primer and Topcoat	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS**  
**S97, S98, S99, S100, S101, S102, S103, S104: AIRCRAFT PAINTING DOCKS**  
**S275: TIRE SHOP MAINTENANCE AND REPAIR**  
**S280: PAINT SPRAY BOOTH**  
**S327: AIRCRAFT GENERATOR REPAIR STATION**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.752(c)(2)(i)	Mass Emissions of Organic HAP and VOC	Y	
63.752(c)(2)(ii)	Data Used to Determine Mass Emissions	Y	
63.752(c)(2)(iii)	Monthly Record of the Volume of Each Coating Used	Y	
63.752(d)	Primer and Topcoat Inorganic HAP Emissions – Records for Particulate Control Devices	Y	
63.753	Reporting Requirements	Y	
63.753(b)(1)	Semiannual Reports – Cleaning Operations	Y	
63.753(c)(1)	Semiannual Reports – Primer and Topcoat Operations	Y	
63.753(c)(2)	Annual Reports – HAP Particulate Control Systems	Y	
<b>BAAQMD Cond #21946</b>	<b>Permit Condition for S123</b>		
Part 1	Abatement requirement [Cumulative increase, Regulation 2, Rule 5]	Y	
Part 2	Abatement operating requirement [Cumulative increase, 40 CFR 63.745(g)(3)]	Y	
Part 3	Abatement equipment and recordkeeping requirements [40 CFR 63.745(g)(2)(iv), Regulation 2-1-403]	Y	
<b>BAAQMD Cond #23499</b>	<b>Permit Condition for S275</b>		
Part 1	Emission Limit[Cumulative increase, BACT]	Y	
Part 2	Abatement operating requirement [Reg. 2, Rule 5]	Y	
Part 3	Recordkeeping requirements [Reg. 8-29-501, Regulation 2-1-403]	Y	
<b>BAAQMD Cond #24442</b>	<b>Permit Condition for S280</b>		
Part 1	Coating and Solvent Limits [Offsets]	Y	
Part 2	Recordkeeping [Regulation 2-1-403]	Y	
Part 3	Toxic Risk Screen Triggers [Regulation 2, Rule 5]	Y	
<b>BAAQMD Cond #22985</b>	<b>Permit Condition for S327</b>		
Part 1	Usage Limits [Cumulative increase, Regulation 2, Rule 5]	Y	
Part 2	Recordkeeping [40 CFR 63.752]	Y	
Part 3	Alternative Emission Limits, Recordkeeping [40 CFR 63.752, Regulation 2-1-403]	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S87, S88: APU TEST CELLS**  
**S89, S90: ENGINE TEST CELLS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann #1 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/07)</b>		
6-1-301	Ringelmann #1 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
<b>BAAQMD Cond #16558</b>	<b>Permit Condition for S87, S88, S89</b>		
Part 1	Low Sulfur Fuel [Regulation 9-1-304]	Y	
Part 2	Visible Emissions Check [Regulation 2-1-403]	Y	
Part 3	Recordkeeping [Regulation 2-6-501]	Y	
<b>BAAQMD Cond #14315</b>	<b>Permit Condition for S90</b>		
Part 1	Operating Time Limitation [Offsets]	Y	
Part 2	Fuel Usage Limitation, Engine Model PW4090 [Offsets]	Y	
Part 3	NOx Emission Limit/Engine Specific Emission Factors [Cumulative Increase, Offsets]	Y	
Part 4	Low Sulfur Fuel [Regulation 9-1-304]	Y	
Part 5	Visible Emissions Check [Regulation 2-1-403]	Y	
Part 6	Recordkeeping [Regulation 2-6-501]	Y	

**Table IV – E**  
**Source-specific Applicable Requirements**  
**S92: AIRCRAFT WASH AREA**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 4</b>	<b>Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)</b>		

Renewal Date: July 22, 2011

#### IV. Source-specific Applicable Requirements

**Table IV – E**  
**Source-specific Applicable Requirements**  
**S92: AIRCRAFT WASH AREA**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-312	Solvent Evaporation Loss Minimization	Y	
8-4-312.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-4-312.3	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-4-501	Recordkeeping	Y	
8-4-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.4	Records Retention	Y	

**Table IV – F**  
**Source-specific Applicable Requirements**  
**S95, S96: BOILERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/07)</b>		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-401	Appearance of Emissions	N	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emissions Limitation	Y	
9-1-304	Fuel Burning – Liquid Fuels	Y	
<b>SIP Regulation 9, Rule 7</b>	<b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)</b>		
9-7-301	Emission Limits – Gaseous Fuels	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-302	Emission Limits – Non-Gaseous Fuels	Y	

## IV. Source-specific Applicable Requirements

**Table IV – F**  
**Source-specific Applicable Requirements**  
**S95, S96: BOILERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-302.1	Performance Standard, NOx	Y	
9-7-302.2	Performance Standard, CO	Y	
9-7-303	Emission Limits - Gaseous and Non-Gaseous Fuel	Y	
9-7-305	Natural Gas Curtailment – Non-Gaseous Fuels	Y	
9-7-305.1	Performance Standard, NOx	Y	
9-7-305.2	Performance Standard, CO	Y	
9-7-306	Equipment Testing – Non-Gaseous Fuel	Y	
9-7-306.1	Performance Standard, NOx	Y	
9-7-306.2	Performance Standard, CO	Y	
9-7-306.3	Annual Equipment Testing Limit	Y	
9-7-501	Combinations of Different Fuels	Y	
9-7-503	Records	Y	
9-7-503.1	Tune-up Records	Y	
9-7-503.2	Natural Gas Curtailment Records	Y	
9-7-503.3	Non-gaseous Fuel Testing and Usage Records	Y	
9-7-503.4	Source Test Records and Record Retention	Y	
<b>BAAQMD Regulation 9, Rule 7</b>	<b>Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (7/30/08)</b>		
9-7-112.2	Limited Exemption, Low Fuel Usage NOx and CO Limits	N	
9-7-113	Limited Exemption, Natural Gas Curtailment and Testing	N	
9-7-115	Limited Exemption, Startup and Shutdown	N	
9-7-301	Interim Emission Limits	N	
9-7-301.1	Performance Standard, NOx – Gaseous Fuels	Y	
9-7-301.2	Performance Standard, NOx – Non-Gaseous Fuels	Y	
9-7-301.4	Performance Standard, CO	Y	
9-7-307	Final Emission Limits	N	
9-7-307.6	NOx and CO Limits (Not applicable when boilers meet limited exemption Regulation 9-7-112)	N	1/1/2012 & 1/1/2013
9-7-307.8	NOx and CO Limits (Not applicable when boilers meet limited exemption Regulation 9-7-112)	N	1/1/2012 & 1/1/2013
9-7-308	Compliance Schedule (Not applicable when boilers meet limited exemption Regulation 9-7-112)	N	1/1/2012 & 1/1/2013
9-7-310	Prohibition of Commerce in Uncertified Devices	N	
9-7-311	Insulation Requirements (Not applicable when boilers meet limited exemption Regulation 9-7-112)	N	
9-7-312	Stack Gas Temperature Limits (Not applicable when boilers meet limited exemption Regulation 9-7-112)	N	
9-7-313	Tune-Up Requirements	N	
9-7-503	Records	Y	
9-7-503.1	Tune-up Records	N	
9-7-503.3	Non-gaseous Fuel Testing and Usage Records	Y	
9-7-503.4	Source Test Records and Record Retention	N	1/1/2012 & 1/1/2013

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#### IV. Source-specific Applicable Requirements

**Table IV – F**  
**Source-specific Applicable Requirements**  
**S95, S96: BOILERS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-7-504	Low Fuel Usage- Monitoring and Records	N	
9-7-506	Periodic Testing (Applicable when boilers are subject to Reg. 9-7-307.6 or 307.8)	N	1/1/2012 for Reg. 9-7-307.6
<b>BAAQMD Cond #23670</b>			
Part 1	Prohibition of Operation [Offsets]	Y	
Part 12	Stack Sampling Ports [Manual of Procedures, Volume IV, 1.2.4]	Y	

**Table IV – G**  
**Source-specific Applicable Requirements**  
**S110, S191: VARNISH DIP TANKS, WITH ASSOCIATED ELECTRIC CURING OVENS**  
**S240: MISCELLANEOUS RESIN LAMINATING**  
**S262: ADHESIVE APPLICATION AND STRIPPING OPERATION**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
<b>BAAQMD Regulation 8, Rule 4</b>	<b>Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)</b>		
8-4-302	Solvents and Surface Coating Requirements	Y	
8-4-312	Solvent Evaporation Loss Minimization	Y	
8-4-312.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-4-312.3	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-4-501	Recordkeeping	Y	
8-4-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.4	Records Retention	Y	
<b>BAAQMD Cond #9078</b>	<b>Permit Condition for S262</b>		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Adhesive Usage Limit [Cumulative Increase]	Y	
Part 3	Recordkeeping [Cumulative Increase]	Y	

## IV. Source-specific Applicable Requirements

**Table IV – H**  
**Source-specific Applicable Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-1-322	Spray Equipment Clean-up Limitation	Y	
<b>BAAQMD Regulation 8, Rule 14</b>	<b>Organic Compounds – Surface Coating of Large Appliances and Metal Furniture (10/16/02)</b>		
8-14-302	Coating VOC Limits	Y	
8-14-304	Transfer Efficiency	Y	
8-14-308	Prohibition of Specification	Y	
8-14-310	Specialty Coating VOC Limits	Y	
8-14-320	Solvent Evaporative Loss Minimization	Y	
8-14-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-14-320.2	Closed Containers for Fresh or Spent Solvent Storage	Y	
8-14-320.3	Spray Equipment Cleanup Requirements	Y	
8-14-321	Surface Preparation Standards	Y	
8-14-501	Records	Y	
8-14-501.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	Y	
8-14-501.2	Daily Coating Usage Records	Y	
8-14-501.3	Monthly Coating Usage Records	Y	
8-14-501.4	Records Retention	Y	
<b>BAAQMD Regulation 8, Rule 19</b>	<b>Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)</b>		
8-19-302	Coating VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating VOC Limits	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-313.1	HVLP Spray; or	Y	
8-19-313.2	Electrostatic Spray; or	Y	
8-19-313.3	Detailing Gun; or	Y	
8-19-313.4	Other Method Approved in Writing by the APCO	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-19-320.2	Spray Equipment Cleanup Requirements	Y	
8-19-320.3	Closed Containers for Coatings or Solvents Not in Use	Y	
8-19-321	Surface Preparation Standards	Y	
8-19-501	Records	Y	
8-19-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-19-501.2	Weekly Coating Usage Records	Y	
8-19-501.4	Monthly Cleaning Solvent Records	Y	
8-19-501.5	Records Retention	Y	

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## IV. Source-specific Applicable Requirements

**Table IV – H**  
**Source-specific Applicable Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 32</b>	<b>Organic Compounds – Wood Products Coatings (8/5/09)</b>		
8-32-301	Spray Application Equipment Limitations	Y	
8-32-302	General Wood Products Coating VOC Limits	N	
8-32-303	Furniture, Custom Cabinetry and Custom Architectural Millwork Coating VOC Limits	N	
8-32-304	Custom and Contract Furniture Coating VOC Limits	N	
8-32-305	Prohibition of Specification	Y	
8-32-320	Solvent Evaporative Loss Minimization	Y	
8-32-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-32-320.2	Closed Containers for Fresh or Spent Solvent Storage	Y	
8-32-320.3	Spray Equipment Cleanup Requirements	Y	
8-32-320.4	Closed Containers for Wood Products Coatings and Solvents	Y	
8-32-501	General Recordkeeping Requirements	N	
8-32-501.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	N	
8-32-501.2	Daily Coating and Solvent Usage Records	Y	
8-32-501.4	Records Retention	Y	
8-32-502	Refinishing, Replacement and Custom Replica Furniture Recordkeeping Requirements	Y	
8-32-502.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	Y	
8-32-502.2	Monthly Coating and Solvent Usage Records	Y	
8-32-502.3	Records Retention	Y	
8-32-503	Custom Architectural Millwork and Cabinetry Recordkeeping Requirements	N	
<b>SIP Regulation 8, Rule 32</b>	<b>Organic Compounds – Wood Products Coatings (12/23/97)</b>		
8-32-303	General Wood Products Coating VOC Limits	Y	
8-32-304	Furniture, and Custom Architectural Millwork Coating VOC Limits	Y	
8-32-501	General Recordkeeping Requirements	Y	
8-32-501.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	Y	
8-32-503	Custom Architectural Millwork Recordkeeping Requirements	Y	
<b>BAAQMD Regulation 8, Rule 45</b>	<b>Organic Compounds – Motor Vehicle and Mobile Equipment Coating Operations (12/3/08)</b>		
8-45-301	Coating VOC Limits	N	
8-45-303	Transfer Efficiency	Y	
8-45-303.1	Electrostatic Application; or	Y	
8-45-303.2	HVLP Spray; or	Y	
8-45-303.3	Other Method Approved in Writing by the APCO	Y	
8-45-304	Prohibition of Specification	Y	
8-45-308	Surface Preparation and Solvent Loss Minimization	Y	

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#### IV. Source-specific Applicable Requirements

**Table IV – H**  
**Source-specific Applicable Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-45-308.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-45-308.2	Closed Containers for Spent or Fresh Organic Solvents	Y	
8-45-308.3	Spray Equipment Cleanup Requirements	Y	
8-45-308.5	Surface Preparation Solvent VOC Limits	Y	
8-45-311	Utility Bodies – Small Production Exclusion	Y	
8-45-312	Specialty Coating Limitations	Y	
8-45-314	Precoat Limitation	Y	
8-45-315	HVLP Marking	Y	
8-45-316	Particulate Filtration	Y	
8-45-317	Most Restrictive VOC Limit	Y	
8-45-318	Prohibition of Possession	Y	
8-45-501	Records	Y	
8-45-501.1	Maintain Data Necessary to Evaluate Compliance	Y	
8-45-501.2	Monthly Coating Records	Y	
8-45-501.3	Current Material Information	Y	
8-45-501.4	Records Retention	Y	
<b>SIP Regulation 8, Rule 45</b>	<b>Organic Compounds – Motor Vehicle and Mobile Equipment Coating Operations (5/26/00)</b>		
8-45-301	Coating VOC Limits	Y	

**Table IV – I**  
**Source-specific Applicable Requirements**  
**S195: COMBUSTION TURBINE**  
**S196: DUCT BURNER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (7/9/08)</b>		
1-107	Combination of Emissions	Y	
1-520	Continuous Emission Monitoring	Y	
1-520.8	Monitors Required by Permit Conditions	Y	
1-522	Continuous Emission Monitoring and Recordkeeping Procedures	Y	
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann #1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-310.3	Heat Transfer Operations	Y	
6-401	Appearance of Emissions	Y	

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## IV. Source-specific Applicable Requirements

**Table IV – I**  
**Source-specific Applicable Requirements**  
**S195: COMBUSTION TURBINE**  
**S196: DUCT BURNER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/07)</b>		
6-1-301	Ringelmann #1 Limitation	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-310.3	Heat Transfer Operations	N	
6-1-401	Appearance of Emissions	N	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emissions Limitation	Y	
9-1-304	Fuel Burning – Liquid Fuels	Y	
<b>SIP Regulation 9, Rule 9</b>	<b>Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/15/97)</b>		
9-9-113	Exemption – Inspection and Maintenance Periods	Y	
9-9-114	Exemption – Start-up and Shutdown Periods	Y	
9-9-301	General Emission Limits	Y	
9-9-301.3	Gas Turbines Over 10 MW with SCR	Y	
9-9-501	Monitoring and Recordkeeping	Y	
<b>BAAQMD Regulation 9, Rule 9</b>	<b>Inorganic Gaseous Pollutants – Nitrogen Oxides from Stationary Gas Turbines (12/6/06)</b>		
9-9-301.1.3	Gas Turbines Over 10 MW with SCR	Y	
9-9-301.2	Emission Limits, General	N	
9-9-501	Monitoring and Recordkeeping	Y	
9-9-603	Continuous Emissions Monitoring	Y	
<b>BAAQMD Manual of Procedures Volume V</b>	<b>Continuous Emission Monitoring Policy and Procedures (1/20/82)</b>	<b>Y</b>	
<b>40 CFR Part 60 Subpart A</b>	<b>Standards of Performance for New Stationary Sources (12/22/08)</b>		
60.7	Notification and Recordkeeping	Y	
60.8	Performance Tests	Y	
60.11	Compliance with Standards and Maintenance Requirements	Y	
60.12	Circumvention	Y	
60.13	Monitoring Requirements	Y	
(a)(b)(d)(e)(f)			

## IV. Source-specific Applicable Requirements

**Table IV – I**  
**Source-specific Applicable Requirements**  
**S195: COMBUSTION TURBINE**  
**S196: DUCT BURNER**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>40 CFR Part 60 Subpart GG</b>	<b>Standards of Performance for Stationary Gas Turbines (2/24/06)</b>		
60.332	Standard for Nitrogen Oxides	Y	
60.332(a)(2)	NOx Emission Standard – Turbines >100 MMBTU/hr	Y	
60.333	Standard for Sulfur Dioxide	Y	
60.333(a)	Sulfur Dioxide Emission Standard	Y	
60.333(b)	Fuel Sulfur Limit	Y	
60.334	Monitoring Requirements	Y	
60.334(a)	Fuel/Water Ratio	Y	
60.334(b)	Fuel Sulfur and Nitrogen Content	Y	
60.334(j)	Excess Emissions Reporting	Y	
<b>BAAQMD Cond #23670</b>			
Part 1	Combined Operation Limit [Offsets, Regulation 9-9-217 and Regulation 9-9-218]		
Part 2	Start-up and shutdown limit [Cumulative Increase]	Y	
Part 3	Abatement [BACT]	Y	
Part 4	NOx Emission Limit – Natural Gas [Regulation 9-9-301.3]	Y	
Part 5	Operational requirement [Cumulative Increase, Regulation 9-9-115]	Y	
Part 6	Fuel Requirements [Offsets]	Y	
Part 7	NOx Emission Limit – Backup Liquid Fuel [Regulation 9-9-301.3]	Y	
Part 8	NOx Daily Mass Emissions Limit [Offsets]	Y	
Part 9	SO2, TSP Annual Mass Emission Limits – Fuel Sampling [Cumulative Increase, 40 CFR 60.334(b)]	Y	
Part 10	Catalytic Converter Requirement – CO Daily Mass Emissions Limit [BACT, Cumulative Increase]	Y	
Part 11	In Stack Continuous Emissions Monitors [Regulation 9-9-501]	Y	
Part 12	Stack Sampling Ports [Manual of Procedures, Volume IV, 1.2.4]	Y	
Part 13	Recordkeeping [Cumulative Increase, Regulation 2-1-403]	Y	
Part 14	Reporting [Cumulative Increase, Reporting]	Y	

#### IV. Source-specific Applicable Requirements

**Table IV – J**  
**Source-specific Applicable Requirements**  
**S198: WIPE CLEANING**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 1</b>	<b>Organic Compounds – General Provisions (6/15/94)</b>		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records	Y	
8-16-501.2	Facility-Wide Annual Solvent Usage Records	Y	
<b>40 CFR Part 63 Subpart GG</b>	<b>National Emission Standards for Aerospace Manufacturing and Rework Facilities (4/20/06)</b>		
63.744	Standards: Cleaning Operations	Y	
63.744 (a)	Housekeeping Measures	Y	
63.744 (a)(1)	Closed Containers for Solvent Laden Materials	Y	
63.744 (a)(2)	Closed Containers for Fresh or Spent Solvents	Y	
63.744 (a)(3)	Solvent Handling – Spill Minimization	Y	
63.744 (b)	Hand-wipe Cleaning	Y	
63.744 (b)(2)	Composite Vapor Pressure Limit	Y	
63.752	Recordkeeping Requirements	Y	
63.752(b)(1)	Name, Vapor Pressure, and HAP Content of Each Cleaning Solvent	Y	
63.753	Reporting Requirements	Y	
63.753(b)(1)	Semiannual Reports	Y	

**Table IV – K**  
**Source-specific Applicable Requirements**  
**S244: DISSOLVED AIR FLOTATION UNIT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 8</b>	<b>Organic Compounds – Wastewater Collection and Separator Systems (9/15/04)</b>		
8-8-303	Gauging and Sampling Devices – Vapor Tight Covers	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-305.1	Solid, Gasketed, Fixed Cover	Y	
8-8-307	Air Flotation Unit	Y	
8-8-307.1	Solid, Gasketed, Fixed Cover	Y	
8-8-308	Junction Box – Solid, Gasketed, Fixed Cover or Solid Manhole Cover	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	

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#### IV. Source-specific Applicable Requirements

**Table IV – K**  
**Source-specific Applicable Requirements**  
**S244: DISSOLVED AIR FLOTATION UNIT**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-503	Inspection and Repair Records	Y	
<b>BAAQMD Cond #5696</b>			
Part 1	Enclosed with Solid, Gasketed Cover [Regulation 8-8-307.1]	Y	
Part 2	Maximum Equipment Capacity Limit [Offsets]	Y	
Part 3	Annual Throughput Limit [Offsets]	Y	
Part 4	Recordkeeping [Recordkeeping]	Y	

**Table IV – L**  
**Source-specific Applicable Requirements**  
**S285 NON-RETAIL GASOLINE DISPENSING FACILITY**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 7</b>	<b>Organic Compounds, Gasoline Dispensing Facilities (11/6/02)</b>		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	N	
8-7-301	Phase I Requirements		
8-7-301.1	Requirements for Transfers into Stationary Tanks, Cargo Tanks, and Mobile Refuelers	Y	
8-7-301.2	CARB Certification Requirements	Y	
8-7-301.3	Submerged Fill Pipe Requirement	Y	
8-7-301.5	Maintenance and Operating Requirement	Y	
8-7-301.6	Leak-Free and Vapor Tight Requirement for Components	Y	
8-7-301.7	Fitting Requirements for Vapor Return Line	Y	
8-7-301.8	Coaxial Phase I Systems Certified by CARB prior to January 1, 1994 may not be installed on New or Modified Systems	Y	
8-7-301.9	Anti-rotational Coupler or Swivel Adapter Required	Y	
8-7-301.10	Vapor Recovery Efficiency Requirements for New and Modified Systems	Y	
8-7-301.12	Spill Box Drain Valve Limitation	Y	
8-7-301.13	Annual Vapor Tightness Test Requirement	N	
8-7-302	Phase II Requirements		
8-7-302.1	Requirements for Transfers into Motor Vehicle Fuel Tanks	Y	
8-7-302.2	Maintenance Requirement	Y	
8-7-302.3	Proper Operation and Free of Defects Requirements	N	
8-7-302.4	Repair Time Limit for Defective Components	N	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	



#### IV. Source-specific Applicable Requirements

**Table IV – L**  
**Source-specific Applicable Requirements**  
**S285 NON-RETAIL GASOLINE DISPENSING FACILITY**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-7-302.6	Requirements for Bellows Nozzles	Y	
8-7-302.7	Requirements for Vapor Recovery Nozzles on Balance Systems	Y	
8-7-302.8	Minimum Liquid Removal Rate	Y	
8-7-302.9	Coaxial Hose Requirement	Y	
8-7-302.10	Construction Materials Specifications	N	
8-7-302.12	Liquid Retain Limitation	N	
8-7-302.13	Nozzle Spitting Limitation	N	
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	N	
8-7-302.15	Annual Testing Requirements for Vacuum Assist Systems	N	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	N	
8-7-307	Posting of Operating Instructions	Y	
8-7-308	Operating Practices	Y	
8-7-309	Contingent Vapor Recovery Requirement	Y	
8-7-313	Requirements for New or Modified Phase II Installations	Y	
8-7-314	Hold Open Latch Requirements	Y	
8-7-316	Pressure Vacuum Valve Requirements, Aboveground Storage Tanks and Vaulted Below Grade Storage Tanks	Y	
8-7-401	Equipment Installation and Modification	Y	
8-7-406	Testing Requirements, New and Modified Installations	Y	
8-7-407	Periodic Testing Requirements	N	
8-7-408	Periodic Testing Notification and Submission Requirements	N	
8-7-501	Burden of Proof	Y	
8-7-502	Right of Access	Y	
8-7-503	Record Keeping Requirements	Y	
8-7-503.1	Gasoline Throughput Records	Y	
8-7-503.2	Maintenance Records	Y	
8-7-503.3	Records Retention Time	N	
<b>SIP Regulation 8, Rule 7</b>	<b>Organic Compounds, Gasoline Dispensing Facilities (11/17/99)</b>		
8-7-302.3	Proper Operation and Free of Defects Requirements	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.10	Construction Materials Specifications	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	
8-7-306	Prohibition of Use	Y	
8-7-503.3	Records Retention Time	Y	
<b>BAAQMD Condition #18349</b>	<b>Gasoline Throughput Limit (Toxic Risk Management Policy)</b>	N	
<b>BAAQMD Condition #16516</b>	<b>CARB Executive Order G-70-187: Healy Model 400 ORVR System for Aboveground Tanks</b>	N	

## IV. Source-specific Applicable Requirements

**Table IV – M**  
**Source-specific Applicable Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/2007)</b>		
6-1-303.1	Ringelmann No. 2 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (09/04/1998)</b>		
6-303.1	Ringelmann No. 2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)</b>		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
<b>BAAQMD Regulation 9, Rule 8</b>	<b>Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)</b>		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation – Unlimited for Emergencies	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation – 100 hrs limit	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation – 50 hrs limit	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
<b>40 CFR Part 63 Subpart ZZZZ</b>	<b>National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/10/2010) for S295, S296, S297, S300, S301, S326, S333</b>		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(b)	Applicable to major source of HAPs	Y	
63.6640(f)	Requirements for emergency stationary RICE	Y	5/3/2013
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	5/3/2013

Renewal Date: July 22, 2011

## IV. Source-specific Applicable Requirements

**Table IV – M**  
**Source-specific Applicable Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	5/3/2013
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	5/3/2013
63.6602	Emission limitations for existing stationary RICE < 500 bhp located at major source of HAP emissions	Y	5/3/2013
63.6625(f)	Installation of non-resettable hour meter	Y	5/3/2013
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	5/3/2013
63.6655	What Records must I keep?		
63.6655(f)	Hours of operation	Y	5/3/2013
Table 2c to Subpart ZZZZ	Requirements for existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions		5/3/2013
Table 2c 1.a.	Schedule for oil and filter change (does not apply to S-302)	Y	5/3/2013
Table 2c 1.b.	Schedule for air cleaner inspection (does not apply to S-302)	Y	5/3/2013
Table 2c 1.c.	Schedule for hose and belt inspection (does not apply to S-302)	Y	5/3/2013
Table 2c 6.a.	Schedule for oil and filter change (applies to S-302 only)	Y	5/3/2013
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices		5/3/2013
Table 6 9.a.	Work or Management Practices	Y	5/3/2013
<b>40 CFR Part 63 Subpart ZZZZ</b>	<b>National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/10/2010) for S302</b>		
63.6585	Applicability	Y	10/19/2013
63.6585(a)	Applicable to stationary RICE	Y	10/19/2013
63.6585(b)	Applicable to major source of HAPs	Y	10/19/2013
63.6640(f)	Requirements for emergency stationary RICE	Y	10/19/2013
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	10/19/2013
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	10/19/2013
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	10/19/2013
63.6602	Emission limitations for existing stationary RICE < 500 bhp located at major source of HAP emissions	Y	10/19/2013
63.6625(f)	Installation of non-resettable hour meter	Y	10/19/2013
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	10/19/2013
63.6655	What Records must I keep?		
63.6655(f)	Hours of operation	Y	10/19/2013
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices		

Renewal Date: July 22, 2011

## IV. Source-specific Applicable Requirements

**Table IV – M**  
**Source-specific Applicable Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Table 6 9.a.	Work or Management Practices	Y	10/19/2013
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines (5/19/2011)</b> <b>Applicable for S295, S296, S297, S300, S301, S315</b>		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(b)(1)	CARB Diesel Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(b)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate $\geq 0.40$ g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions testing	N	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(e)(1)	Install non-resettable hour meter with minimum display capability of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
<b>BAAQMD Cond #22820</b>	<b>Permit Condition for S295, S296, S297, S300, S301, 315</b>		
Part 1	Reliability-related testing limit (BAAQMD Regulation 2-5, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))	N	

Renewal Date: July 22, 2011

## IV. Source-specific Applicable Requirements

**Table IV – M**  
**Source-specific Applicable Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Limit on testing during school hours ("Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(2))	N	
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines</b> <b>Applicable for 326, S333</b>		
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 bhp	N	
93115.5(a)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.5(a)(1)	CARB Diesel Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)(3)	Emission and operation standards	N	
93115.6(a)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(a)(3)(A)(1)	General Requirements	N	
93115.6(a)(3)(A)(1)(b)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate $\geq 0.40$ g/bhp-hr, except as provided in 93115.6(b)(3)(A)(2), excluding operating for emergency use and emissions testing	N	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(e)	Monitoring Equipment	N	
93115.10(e)(1)	Install non-resettable hour meter with minimum display capability of 9,999 hours	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
<b>BAAQMD Cond #22850</b>	<b>Permit Condition for S326, S333</b>		
Part 1	Reliability-related testing limit (BAAQMD Regulation 2-5, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(a))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(a))	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))	N	

Renewal Date: July 22, 2011

#### IV. Source-specific Applicable Requirements

**Table IV – M**  
**Source-specific Applicable Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Limit on testing during school hours ("Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1))	N	

**Table IV – N**  
**Source-specific Applicable Requirements**  
**S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314: EMERGENCY**  
**STANDBY ENGINES, FIRE PUMP ENGINE**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 6 Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/2007)</b>		
6-1-303.1	Ringelmann No. 2 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
6-1-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	N	
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (09/04/1998)</b>		
6-303.1	Ringelmann No. 2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
6-601	Particulate Matter, Sampling, Sampling Facilities, Opacity Instruments and Appraisal of Visible Emissions	Y	
<b>BAAQMD Regulation 9 Rule 1</b>	<b>Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)</b>		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
<b>BAAQMD Regulation 9 Rule 8</b>	<b>Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)</b>		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330	Emergency Standby Engines, Hours of Operation		
9-8-330.1	Emergency Standby Engines, Hours of Operation – Unlimited for Emergencies	N	
9-8-330.2	Emergency Standby Engines, Hours of Operation – 100 hrs limit	N	

## IV. Source-specific Applicable Requirements

**Table IV – N**  
**Source-specific Applicable Requirements**  
**S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314: EMERGENCY**  
**STANDBY ENGINES, FIRE PUMP ENGINE**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
9-8-330.3	Emergency Standby Engines, Hours of Operation – 50 hrs limit	N	1/1/2012
9-8-530	Emergency Standby Engines, Monitoring and Recordkeeping	N	
9-8-530.1	Hours of operation (total)	N	
9-8-530.2	Hours of operation (emergency)	N	
9-8-530.3	Nature of emergency condition	N	
<b>40 CFR Part 63 Subpart ZZZZ</b>	<b>National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (3/10/2010)</b>		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(b)	Applicable to major source of HAPs		
63.6640(f)	Requirements for emergency stationary RICE	Y	5/3/2013
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	5/3/2013
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	5/3/2013
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	5/3/2013
63.6602	Emission limitations for existing stationary RICE < 500 bhp located at major source of HAP emissions	Y	5/3/2013
63.6625(f)	Installation of non-resettable hour meter	Y	5/3/2013
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	5/3/2013
63.6655	What Records must I keep?		
63.6655(f)	Hours of operation	Y	5/3/2013
Table 2c to Subpart ZZZZ	Requirements for existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions		
Table 2c 1.a.	Schedule for oil and filter change	Y	5/3/2013
Table 2c 1.b.	Schedule for air cleaner inspection	Y	5/3/2013
Table 2c 1.c.	Schedule for hose and belt inspection	Y	5/3/2013
Table 6 to Subpart ZZZZ	Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices		
Table 6 9.a.	Work or Management Practices	Y	5/3/2013
63.6640(f)	Requirements for emergency stationary RICE	Y	5/3/2013
<b>CCR, Title 17, Section 93115</b>	<b>ATCM for Stationary Compression Ignition Engines (5/19/2011)</b>		
93115.3(n)	Exemptions	N	
93115.5	Fuel and Fuel Additive Requirements for New and In-Use Stationary CI Engines That Have a Rated Brake Horsepower of Greater than 50 (> bhp)	N	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	

#### IV. Source-specific Applicable Requirements

**Table IV – N**  
**Source-specific Applicable Requirements**  
**S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314: EMERGENCY**  
**STANDBY ENGINES, FIRE PUMP ENGINE**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.15	Severability	N	
<b>BAAQMD Cond #22851</b>	<b>Permit Condition for S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314</b>		
Part 1	Reliability-related testing limit ("Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a))	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g))	N	
Part 5	Limit on testing during school hours ("Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(1))	N	

**Table IV – O**  
**Source-specific Applicable Requirements**  
**S316, S317, S318, S319, S320, S321, S322, S323: THERMAL SPRAY BOOTHS**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>SIP Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/4/98)</b>		
6-301	Ringelmann #1 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 6, Rule 1</b>	<b>Particulate Matter, General Requirements (12/5/07)</b>		
6-1-301	Ringelmann #1 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
<b>CCR, Title 17, Section 93101.5</b>	<b>ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying (10/17/2006)</b>	N	
93101.5(c)(1) (A)	Control Efficiency Requirements for Existing Thermal Spray Operations	N	



#### IV. Source-specific Applicable Requirements

**Table IV – O**  
**Source-specific Applicable Requirements**  
**S316, S317, S318, S319, S320, S321, S322, S323: THERMAL SPRAY BOOTHS**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
93101.5(c)(1) (B)	Enclosure Standards	N	
93101.5(c)(1) (C)	Ventilation Standards	N	
93101.5(d)(1)	Testing to Demonstrate Compliance with Enclosure and Ventilation Standards	N	
93101.5(d)(2)	Verification of Control Efficiency	N	
93101.5(e)(1)	Monitoring Requirements	N	
93101.5(e)(2)	Pressure Drop Monitoring Requirements	N	
93101.5(e)(4)	Inspection and Maintenance Requirements	N	
93101.5(e)(5)	Negative Pressure Measurements	N	
93101.5 (f)	Recordkeeping Requirements	N	
93101.5 (g)	Reporting Requirements	N	
<b>BAAQMD Cond #23504</b>	<b>Permit Condition for S316, 317, 318, 319, 320, 321, 322, and 323</b>		
Part 1	Usage Limit [Cumulative Increase, Regulation 2, Rule 5]	N	
Part 2	Abatement [CCR, Title 17, Section 93101.5(c)(1)(A), Toxic Risk Management Policy]	N	
Part 3	Emission Rate Limit [CCR, Title 17, Section 93101.5(c)(1)(A)(2)]	N	
Part 4	Equipment and operating Standards [Regulation 2-1-412, CCR, Title 17, Section 93101.5(c)(1)(B)]	N	
Part 5	Equipment Standards [CCR, Title 17, Section 93101.5(c)(1)(C)]	N	
Part 6	Monitoring Standards [CCR, Title 17, Section 93101.5(e)(1) & (e)(2)]	N	
Part 7	Recordkeeping [CCR, Title 17, Section 93101.5(e)(1) Table (A)]	N	
Part 8	Recordkeeping [Regulation 2-1-403, CCR, Title 17, Section 93101.5(f)]	N	

## **V. SCHEDULE OF COMPLIANCE**

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

## VI. PERMIT CONDITIONS

Any condition or condition section that is preceded by an asterisk is not federally enforceable.

### **Condition #5696 for Source 244 (Dissolved Air Flotation Unit)**

1. The owner/operator shall keep the DAF unit enclosed by a solid gasketed cover. [Basis: Regulation 8-8-307.1]
2. The owner/operator shall not exceed the 700 gallons per minute maximum wastewater treatment rate at S-244. [Basis: Offsets]
3. The owner/operator shall not exceed 200,000,000 gallons of total annual wastewater throughput in any consecutive 365-day period. [Basis: Offsets]
4. In order to demonstrate compliance with Parts 2 and 3 above, the owner/operator of S-244 shall maintain the following records in a District approved log: The total daily throughput of wastewater, summarized on a monthly basis. [Basis: Recordkeeping]

### **Condition #8016 for Source 258 (Oil Cooler Flush Cart)**

1. The owner/operator shall not exceed 100 gallons of net solvent usage during any consecutive 12-month period. [Basis: Offsets]
2. In order to demonstrate compliance with Part 1 above, the owner/operator shall maintain the following records in a District-approved log. [Basis: Offsets]
  - a. monthly quantities of each type of solvent used at this source
  - b. monthly quantities of each type of solvent recovered for disposal or recycling
  - c. monthly net usage of each type of solvent.
  - d. monthly quantities totaled on a rolling 12-month basis.

### **Condition #9044 for Sources 1, 9, 10, 57, 64, 78, 80, 105, 112, 128, and 140 (Solvent Cleaning Operations)**

1. The owner/operator shall not exceed a combined net usage of 32,000 gallons of mineral spirits at S-1, S-9, S-10, S-57, S-64, S-78, S-80, S-105, S-112, S-128, and S-140 during any consecutive twelve-month period. [Basis: Offsets]
2. In order to demonstrate compliance with Part 1 above, the owner/operator shall maintain the following records. [Basis: Offsets]
  - a. The product name, VOC content, delivery date, and amount of new solvent delivered to the central storage tank.
  - b. The quantities of new solvent delivered shall be totaled on a rolling 12-month basis.

## VI. Permit Conditions

### Condition #9078 for Source 262 (Adhesive Application and Stripping Operation)

1. The owner/operator shall not exceed 2,020 gallons of net solvent (including adhesive remover) usage at Source 262 during any consecutive twelve-month period. [Basis: Offsets]
2. The owner/operator shall not exceed 638 gallons of adhesive usage at Source 262 during any consecutive twelve-month period. [Basis: Offsets]
3. In order to demonstrate compliance with Conditions 1 and 2, the owner/operator shall maintain the following records in a District approved log. [Basis: Offsets]
  - a. The date the record is made.
  - b. The type and net quantity of solvents used monthly.
  - c. The type and total quantity of adhesives used monthly.
  - d. The monthly quantities shall be totaled on a rolling 12-month basis.

### Condition #14315 for Source 90 (Engine Test Cell #5)

1. The owner/operator shall not exceed the total fuel usage of 764,000 gallons of jet fuel at S-90 during any consecutive 12-month period. [Basis: Cumulative Increase, Offsets]
2. The owner/operator shall not exceed 344,500 gallons of fuel consumption by engine model PW4090 tested at S-90 during any consecutive 12-month period: [Basis: Cumulative Increase, Offsets]
3. The owner/operator shall not exceed 90.9 tons of total NOx emissions from S-90 during any consecutive 12-month period. NOx emissions shall be based on the following engine specific emission factors expressed in pounds of NOx per 1,000 gallons of fuel: [Basis: Cumulative Increase, Offsets]

Engine Model:	Test Mode:	NOx Emission Factor:
PW4090	Idle	30.42
	Approach	93.52
	Climb Out	303.45
	Take Off	432.49
PW4077	Idle	29.78
	Approach	80.12
	Climb Out	230.43
	Take Off	282.18
PW4060	Idle	34.74
	Approach	85.08
	Climb Out	175.12
	Take Off	232.55
PW2000	Idle	29.78
	Approach	75.15
	Climb Out	193.56

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<b>Engine Model:</b>	<b>Test Mode:</b>	<b>NOx Emission Factor:</b>
	Take Off	243.19
F117	Idle	29.78
	Approach	75.15
	Climb Out	193.56
	Take Off	243.19

If engine models other than those listed above are to be tested at S-90, United shall first apply for and obtain from the District a modified permit to operate.

4. The owner/operator shall only combust jet fuel with a sulfur content of no more than 0.5% by weight at this source. The maximum sulfur content of the fuel shall be demonstrated by vendor certification or District-approved laboratory analysis. [Basis: Regulation 9-1-304]
5. The owner/operator of this source shall check each aircraft engine for visible particulate emissions during the test cycle. If visible emissions from the engine exhaust are detected, the operator shall take the necessary corrective action to minimize the emissions. [Basis: Regulation 2-1-403]
6. To demonstrate compliance with Parts 1 and 5 above, the owner/operator of S-90 shall maintain the following records in a District-approved logbook. [Basis: Offsets]
  - a. The total amount of jet fuel used at S-90 on a monthly basis. Records shall include the actual fuel usage totals by test mode for each engine model tested
  - b. Monthly NOx emission calculations for S-90 based on the fuel usage records and emission factors detailed in Part 3.
  - c. Results of the visible particulate emissions check for each engine on a daily basis. Records shall include the duration of any detected visible emissions and what corrective action was taken.
  - d. Certification of fuel sulfur content.

### **Condition #24442 for Source 280 (Paint Spray Booth)**

1. The owner/operator shall not exceed 20 gallons of primer and 20 gallons of topcoat in any consecutive 12-month period. The owner/operator shall not exceed 40 gallons net usage of organic solvent in any consecutive 12-month period. [Basis: Cumulative increase]
2. To demonstrate compliance with Part 1 above, the owner/operator shall total usage of coatings and solvents on a monthly basis. Monthly records shall be totaled on a 12-month rolling basis. [Basis: Regulation 2-1-403]

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### **\*Condition #16516 for Source 285 (Gas Station)**

For each aboveground gasoline storage tank, the Static Pressure Performance Test (Leak Test) ST-38 shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Static Pressure Performance Test.

The applicant shall notify Source Test by email at [gdfnotice@baaqmd.gov](mailto:gdfnotice@baaqmd.gov) or by FAX at (510) 758-3087, at least 48 hours prior to any testing required for permitting. Test results for all performance tests shall be submitted within thirty (30) days of testing. Start-up test results submitted to the District must include the application number and the GDF number. (For annual test results submitted to the District, enter "Annual" in lieu of the application number.) Test results may be submitted by email ([gdfresults@baaqmd.gov](mailto:gdfresults@baaqmd.gov)), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109). [Basis: Regulation 8-7-407]

### **\*Condition #18349 for Source 285 (Gas Station)**

Pursuant to BAAQMD Toxic Section Policy, this facility's annual gasoline throughput shall not exceed 500,000 gallons in any consecutive 12 month period. [Basis: Cumulative Increase, Regulation 2, Rule 5]

### **Condition #16558 for Sources 87, 88, 89 (APU/Engine Test Cells)**

1. The owner/operator shall only combust jet fuel with a sulfur content of no more than 0.5% by weight at these sources. The maximum sulfur content of the fuel shall be demonstrated by vendor certification or District-approved laboratory analysis. [Basis: Regulation 9-1-304]
2. The owner/operator of these sources shall check each aircraft engine/APU for visible particulate emissions during the test cycle. If visible emissions are detected, the operator shall take the necessary corrective action to minimize the emissions. [Basis: Regulation 2-1-403]
3. To confirm compliance with the above conditions, the owner/operator of these sources shall maintain the following records in a District-approved logbook. [Basis: Regulation 2-6-501]
  - a. Certification of fuel sulfur content
  - b. On a daily basis, record the results of the visible particulate emissions check for each engine, the duration of any detected visible emissions, and the corrective action taken.

### **Condition #18250 for Source 284 (Oil Cooler Flush Cart)**

1. The owner/operator shall not exceed 50 gallons of net solvent usage at S-284 during any consecutive 12-month period. [Basis: Cumulative Increase]
2. In order to demonstrate compliance with the Part 1 above, the owner/operator shall maintain monthly records of the type and total net solvent usage in a District approved log. [Basis: Cumulative Increase, Regulation 2-6-501]

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### **Condition #18260 for Sources 291, 292, 293 (Parts Washers)**

1. The owner/operator shall not exceed 120 gallons of net solvent usage at each of S-291, S-292, and S-293 during any consecutive 12-month period. [Basis: Cumulative Increase]
2. In order to demonstrate compliance with the above Part 1, the owner/operator shall maintain monthly records of the type and total net solvent usage in a District approved log. [Basis: Cumulative Increase, Regulation 2-6-501]

### **Condition #18484 for Sources 288, 289, 290 (Recycling Parts Washers)**

1. The owner/operator shall not exceed 30 gallons of net solvent usage at each of S-288 through S-290 during any consecutive 12-month period. [Basis: Cumulative Increase]
2. In order to demonstrate compliance with the above Part 1, the owner/operator shall maintain monthly records of the type and total net solvent usage in a District approved log. [Basis: Cumulative Increase, Regulation 2-6-501]

### **Condition #21946 for Source 123 (Spray Booth)**

1. The owner/operator shall operate A-123 at all times during coating operations at S-123.  
[Basis: Cumulative increase, Regulation 2, Rule 5]
2. The owner/operator shall cease operation immediately if the pressure drop across A-123 filter banks is below 0.35 inches of water or exceeds 2.0 inches of water as recorded pursuant to Part 3d of this condition.  
[Basis: Cumulative increase, 40 CFR 63.745(g)(3)]
3. The owner/operator shall comply with the following for A-123:
  - a. Operate and maintain A-123 in good working order as defined by manufacturer's specifications.
  - b. Install a differential pressure gauge across A-123 filter banks.
  - c. Continuously monitor the pressure differential across A-123 filter banks.
  - d. Record the pressure drop across A-123 filter banks at least once per shift, including the date the reading was taken. If coating has not commenced at the beginning of a shift, the reading shall be taken prior to the commencement of any coating operation.
  - e. Record the date and corrective action taken when A-123 deviates from allowed pressure differential limits specified in Part 2 of this condition.  
[Basis: 40 CFR 63.745(g)(2)(iv), Regulation 2-1-403]

### **\*Condition #22820 for Sources 295, 296, 297, 300, 301, 315 (Emergency Standby Engines)**

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]

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2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(b)(3)(A)(1)(a)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation for reliability-related activities (maintenance and testing).
  - b. Hours of operation for emission testing to show compliance with emission limits.
  - c. Hours of operation (emergency).
  - d. For each emergency, the nature of the emergency condition.
  - e. Fuel usage for each engine(s).[Basis: BAAQMD Regulation 9-8-530, 2-6-501 and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]
5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved



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school property. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 931215.6(a)(1)]

### **\*Condition #22850 for Sources 326, 333 (Emergency Standby Engines)**

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(a)]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: BAAQMD Regulation 9-8-330, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.6(a)(3)(A)(1)(a)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation for reliability-related activities (maintenance and testing).
  - b. Hours of operation for emission testing to show compliance with emission limits.
  - c. Hours of operation (emergency).
  - d. For each emergency, the nature of the emergency condition.
  - e. Fuel usage for each engine(s).[Basis: BAAQMD Regulation 9-8-530, 2-6-501 and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]
5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
  - a. Whenever there is a school sponsored activity (if the engine is located on school grounds)

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- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.  
"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property. [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 931215.6(a)(1)]

### **\*Condition #22851 for Sources 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314 (Emergency Standby Engine, Fire Pump)**

1. Operating for reliability-related activities is limited to no more than 34 hours per year per engine which is the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25. This emergency fire pump is subject to the current National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems." [Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.3(n)(4)(A)(1)(b)]
2. The owner or operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, state or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, state or Federal emission limits is not limited. [Basis: BAAQMD Regulation 9-8-330]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
  - a. Hours of operation for reliability-related activities (maintenance and testing).
  - b. Hours of operation for emission testing to show compliance with emission limits.
  - c. Hours of operation (emergency).
  - d. For each emergency, the nature of the emergency condition.

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e. Fuel usage for each engine(s).

[Basis: BAAQMD Regulation 9-8-530, 2-6-501 and "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 93115.10(g)]

5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner or operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
  - b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session. "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: "Stationary Diesel Engine ATCM", CA Code of Regulations, Title 17, Section 931215.6(a)(1)]

### Condition #22985 for Sources 327 (Aircraft Generator Repair Station)

1. The owner/operator shall not exceed the following limits, in any consecutive 12-month period:

Alcohol & mineral spirits	300 gallons
WD-40	100 gallons
Primer	100 gallons
Top coat	75 gallons

[Basis: Cumulative increase, Regulation 2, Rule 5]
2. To demonstrate compliance with Part 1 above, the owner/operator shall maintain records in accordance with Regulation 8, Rules 16 and 29. The owner/operator shall total records on a monthly basis and on a rolling 12-month basis in the categories specified in Part 1 above. [Basis: 40 CFR 63.752(a), (b), (c), Regulation 2-1-403]

### Condition #23499 for Source 275 (Tire Shop Maintenance and Repair)

1. The owner/operator shall not use materials that cause emissions of total precursor organic compounds (POC) to exceed 14,780 pounds during any consecutive 12-month period. [Basis: Cumulative increase, BACT]
2. In order to demonstrate compliance with Parts 1 and 2, the owner/operator shall maintain the following records:
  - a. Maintain a list of all coatings and solvents used, including VOC content;
  - b. Weekly quantities of each type of coating and mix ratio, as applied;

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- c. Monthly net usage of each solvent; and
- d. Calculations of POC emissions on a monthly basis and totaled on a rolling 12-month basis  
\_[Basis: Regulation 8-29-501, Regulation 2-1-403]

### **Condition #23500 for Sources 328 and 329 (Parts Washers)**

1. The owner/operator shall not allow solvent usage at each source to exceed 100 gallons during any consecutive 12-month period. [Basis: Cumulative increase, BACT]
2. In order to demonstrate compliance with Part 1 above, the owner/operator shall maintain the following records:
  - a. Monthly quantities of each type of solvent used at this source;
  - b. Monthly quantities of each type of solvent recovered for disposal or recycling;
  - c. Monthly net usage of each type of solvent; and
  - d. Rolling 12-month totals of solvent usage.\_[Basis: Regulation 8-16-501, Regulation 2-1-403]

### **Condition #23504 for Sources 316, 317, 318, 319, 320, 321, 322 and 323 (Thermal Spray Booths)**

1. The owner/operator shall not exceed a combined total for all sources of 54,400 pounds of spray material containing chromium or nickel compounds in any consecutive 12-month period. [Basis: Cumulative Increase, Toxic Risk Management Policy]
2. The owner/operator shall control the emissions at all times during operation from S-316, S-317, S-318, S-319, S-320, S-321, S-322 and S-323 with A-316, A-317, A-318, A-319, A-320, A-321, A-322 and A-323, dry filtration unit (baghouse) and HEPA filter systems, respectively, with an overall control efficiency of at least 99.97% by weight at 0.3 microns. [Basis: 93101.5(c)(1)(A), Toxic Risk Management Policy]
3. The owner/operator shall not exceed maximum hourly emissions of 0.1 pounds for nickel from each booth. [Basis: 93101.5(c)(1)(A)(2)]
4. The owner/operator shall meet the following spray booth enclosure standards:
  - a. The enclosure exhaust shall ventilate such that a continuous inward flow of air is maintained from all designed make-up air openings during thermal spraying operation.
  - b. Using a District-approved alternative method for establishing inward face velocity, the inward face velocity shall be defined as the average air velocity at the capture hood and the booth interface. The face velocity is calculated by dividing the total volumetric exhaust flow by the dimensional area at the plane of the exhaust hood interface. The inward face velocity shall be measured at least once per calendar year and whenever the control system is changed in any way that may have an impact on airflow to ensure that the ventilation system is working properly.

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- c. The average inward face velocity shall be at least 200 feet per minute.
  - d. When thermal spraying is being performed, all air inlets and access openings shall be covered to prevent the escape of dust or mist contaminants into areas outside the enclosure. This requirement does not apply to any designed or intended make-up air vents or openings.
  - e. The owner/operator shall keep the booth door closed at all times during thermal spraying.
  - f. Before the enclosure is opened, thermal spraying shall cease and the exhaust system shall be run for at least 38 seconds to remove contaminated air within the enclosure.
  - g. The alternate method for establishing inward face velocity as approved by the District shall be kept on file at all times. Any change in the alternative method shall have written District approval before taking effect.  
[Basis: BAAQMD Regulation 2-1-412, 93101.5 (c)(1)(B)]
5. The owner/operator shall meet the following spray booth ventilation standards:
- a. The ventilation systems shall be properly maintained and kept in good operating condition at all times. Any leak, as determined by a visual leak inspection conducted in accordance with Appendix 3 of the CARB Thermal Spray ATCM is a violation of this condition. The owner/operator shall conduct visual inspections at least once every 90 days to ensure that no leaks are present in the control device or ventilation system.
  - b. Material collected by the control system shall be discharged into closed containers or an enclosed system that is completely sealed to prevent dust emissions.
  - c. The dust collector for the control device shall be maintained in a manner that prevents emissions of particulate matter into the ambient air.  
[Basis: 93101.5 (c)(1)(C)]
6. The owner/operator shall ensure that a pressure differential gauge continuously monitors pressure drop across each dry filter (baghouse) and each HEPA filter of the abatement system used to control emissions while conducting thermal spraying with the following standards:
- a. A pressure differential gauge shall continuously monitor pressure drop across the dry filter while conducting thermal spraying.
  - b. The gauge shall have a high and low setting for the pressure drop and shall trigger an alarm system when the high or low set points are exceeded.
  - c. The gauge shall be designed to accurately measure pressure drops within the expected range and have an accuracy of at least +/- 5% of full scale.
  - d. The gauge shall be located so that it can be easily visible and in clear sight of the operation or maintenance personnel.
  - e. The pressure drop across the dry filter shall be maintained between 0.3” to 4.5”.
  - f. The pressure drop across the HEPA filter shall be maintained between 1” to 4”.
  - g. If the pressure drop is outside of the acceptable limits, the owner/operator

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shall safely shut down the thermal spraying operation immediately and take corrective action. The thermal spraying operation shall not be resumed until the pressure drop is within the specified limits.

[Basis: 93101.5 (e)(1) & (e)(2)]

7. The owner/operator shall record the pressure drop reading at each abatement device once per calendar week while conducting thermal spraying. If no thermal spraying occurs in any calendar week, the pressure drop record will not be required for that week. [Basis: 93102.5 (e)(1) Table (3)]
8. The owner/operator shall keep the following records.
  - a. Weekly records of pressure drop with the allowable range on each record sheet.
  - b. Visual inspections. The record shall identify:
    1. The date and time of the inspection,
    2. The name or description of the device inspected,
    3. A brief description of the working condition of the device during the inspection,
    4. All maintenance activities performed on the components of the air pollution control system,
    5. The actions taken to correct deficiencies, and
    6. The person that conducted the inspection.
  - c. Date when filter(s) are replaced in accordance with manufacturer's instructions
  - d. Annual measurement of average inward face velocity.
  - e. The name and quantity of materials containing chromium and nickel used each month.
  - f. A cumulative total of the material used for each 12-month period specified in Part 8e above.
  - g. Records of any occurrence, duration, cause (if known), and action taken for each equipment malfunction and/or failure. This recordkeeping requirement applies only to equipment malfunctions or failures that cause or may cause uncontrolled emissions to be released.

[Basis: Regulation 2-1-403, 93101.5 (f)]

### **Condition #23542 for Sources 16, 17, 18, 19, 20, 21, 22, 23 (Chrome Plating Tanks)**

1. Performance Standards
  - a. Emissions of hexavalent chromium shall not exceed 0.0015 mg per ampere-hour (mg/amp-hr) after abatement. [Basis: 93102.4(b)(1)]
  - b. Throughput: The total annual combined throughput shall not exceed 60 million ampere-hours in any consecutive 12-month period. [Basis: 93102.4(b)(1)]
  - c. The requirements of Part 1b of this condition and the O&M Plan provision do not apply during periods of equipment breakdown, provided the provisions of the District's breakdown rules are met. [Basis: 93102.2(b)]

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### 2. Abatement

- a. The owner/operator shall abate at all times during operation of S-16, S-17, S-18, S-19, S-20, S-21, S-22, and S-23 with A-216, A-217, A-218, A-219, A-220, A-221, A-222, and A-223 (Dry Scrubber with 3-stage Composite Mesh Pads), respectively. [Basis: TBACT]
- b. The owner/operator shall abate at all times the flow from A-216 & A-217 with A-416 HEPA filter, A-218 & A-219 with A-418 HEPA filter, A-220 & A-221 with A-420 HEPA filter, and A-222 & A-223 with A-422 HEPA filter. [Basis: TBACT]

The ventilation and abatement systems shall be properly maintained and kept in good working condition.

### 3. Source Testing

- a. The owner/operator shall perform source tests to demonstrate compliance according to the following schedule:
  - i. Unless Part 3(b)ii. is satisfied, subsequent source testing shall be performed no later than 36 months after the date of the previous District-approved source test demonstrating compliance.
  - ii. If the previous two consecutive source tests demonstrate compliance, the subsequent tests shall be performed no later than 48 months after the previous source test.
  - iii. If a source test demonstrates non-compliance, then the owner/operator must perform another source test to demonstrate compliance. Subsequent source tests to demonstrate compliance shall be performed no later than 24 months after the previous source test. If after two consecutive source tests at the 24 month frequency, both of which demonstrate compliance, the source test frequency reverts to the original schedule in Part 3(b)i.
- b. Non-compliant source test: After conducting a source test which demonstrates non-compliance the owner/operator shall review and adjust or repair the plating operation and associated emission control system. A source test to demonstrate compliance shall be performed no later than 30 days after the chrome plating system adjustments/repairs are completed.
- c. Any chrome plating bath that is non-operational at the time a source test is due does not have to be tested at that time. Upon subsequent start-up of any such bath, a source test shall be conducted within 30 days.
- d. Source Testing Protocol: A written source test protocol based on 93102.7(c) shall be provided for District approval prior to conducting any source test for compliance. This source testing protocol shall include testing methods, length of sample period, plating facilities to be operated during the source test, sampling equipment and methods, as well as the planned date for the source test.
- e. The owner/operator shall contact the District Source Test Section at least 14 days in advance of the source test or as directed by the ATCM to obtain approval of the test protocol. The owner/operator shall notify the District

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Source Test Section at least 7 days in advance of each scheduled source test. [Basis: 93102.7]

4. **Training**

No later than October 24, 2009, and within every two calendar years thereafter, the owner or operator shall ensure that hexavalent chrome based plating operations (including environmental compliance/recordkeeping) are under the direction of the owner or operator or current employee who is onsite and has completed the ARB Compliance Assistance Training Course for chrome plating and anodizing. [Basis: 93102.5(b)]

Chrome plating operations during the physical absence of the trained owner or operator are permissible as long as the trained individual(s) are physically based at the facility and are directly involved in the day to day environmental practices and requirements associated with the chrome plating operation.
5. **Housekeeping**

The owner/operator shall implement the following requirements:

  - a. Chromic acid materials shall be stored in a closed container in an enclosed storage area.
  - b. Chromic acid materials shall be transported from storage to the bath in a closed container.
  - c. Any liquid or solid hexavalent chrome containing material that is spilled shall be contained or cleaned up within one hour after being spilled.
  - d. Dragout shall be minimized by:
    - i. handling the plated parts so that chromic acid is not dripped outside the tank, and
    - ii. installing splash guards at the tank to minimize overspray and to ensure that chrome solution is returned to the tank.
  - e. Surfaces within the chrome storage area and the walkways and other areas potentially contaminated with hexavalent chrome, shall be cleaned at least one time every seven days by either HEPA vacuuming, damp cloth hand wiping, wet mopping, use of non-toxic dust suppressants or any other District-approved method.
  - f. Buffing, grinding or polishing areas shall be separated from the chrome plating operation by a physical barrier, which may include, but is not limited to vertical plastic strip curtains.
  - g. Chromium containing wastes generated as a result of any of the above housekeeping activities shall be stored, disposed of, recovered, or recycled using practices that minimize fugitive dust.
6. **Monitoring**
  - a. Each rectifier shall be hard-wired to a single non-resettable meter which records ampere-hours continuously during rectifier operation. Each ampere-hour meter shall be installed and maintained per manufacturer's specifications. The owner/operator shall record the total ampere-hours used during each month. [Basis: 93102.10(a), 93102.12(c)(1)]



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- b. **Dry Scrubber Pressure Drop:** The owner/operator shall continuously monitor the pressure drop across A-216, A-217, A-218, A-219, A-220, A-221, A-222, and A-223 dry scrubbers with 3-stage composite mesh pad units. The pressure drop shall be maintained within plus or minus 2 inches of water column of the value established during the most recent source test to demonstrate compliance with the emission limitations of Part 1. Pressure drop readings shall be recorded at a frequency of at least one time per operating week. [Basis: 93102.9(b), 93102.12(c)(2)]
      - c. **HEPA Filter Pressure Drop:** The owner/operator shall continuously monitor the pressure drop across A-416, A-418, A-420, and A-422 HEPA filters. The pressure drop shall be maintained within minus ½ times to plus 2 times the inches of water column of the value established during the most recent source test to demonstrate compliance. Pressure drop readings shall be recorded at a frequency of at least one time per operating week. [Basis: 93102.9(b), 93102.12(c)(2)]
7. **Operation & Maintenance (O&M) Plan**

The owner/operator shall prepare an operation and maintenance plan for the chrome plating operation, which shall be retained onsite and made available for inspection upon request. Any revisions to the O & M Plan shall be documented in an addendum and all versions shall be maintained for a period of 5 years after each revision to the plan. The O&M Plan shall at a minimum include:

  - a. The inspection and maintenance requirements for the air pollution control equipment and amp-hr meters/totalizers. [Basis: 93102.11]
  - b. A checklist to document the inspection, operation and maintenance for the chrome plating operation, including steps to be taken to correct operating deficiencies. [Basis: 93102.11]
8. **Inspection & Maintenance Frequency**
  - a. The owner/operator shall perform visual inspections of the abatement systems and associated ductwork pursuant to ATCM Section 93102.10(a) at least once per calendar quarter and conduct wash downs of the CMP per manufacturer's recommendation. [Basis: 93102.10(a) and Reg 2-5]
  - b. In order to demonstrate compliance with Part 8a, the owner/operator shall record the equipment being inspected, date, brief description of the working condition of the device during the inspections, any maintenance activities performed on the components of the air pollution control systems, and any actions taken to correct deficiencies found during the inspection.
9. **Recordkeeping**

The owner/operator shall maintain the following records. [Basis: 93102.12]

  - a. **Inspection Records** to demonstrate that such inspections were done in accordance with the provisions of Section 93102.10 and the O&M Plan. Such records can take the form of a checklist and shall identify the devices inspected, the date and time of the inspection, a brief description of the working condition and any corrective actions.

## VI. Permit Conditions

- b. The owner/operator shall:
    - i. record monthly and cumulative 12-month rectifier ampere-hour totals and
    - ii. record the pressure drop across the abatement device(s) at least once a week.
  - c. Breakdown Records noting the occurrence, duration, cause (if known), and action taken.
  - d. Records of excesses of the emission limitations set forth in Part 1 or the monitoring parameters established under Part 6 noting any exceedances of the ampere-hour throughput or pressure drop limits.
  - e. Housekeeping Records demonstrating compliance with Part 5, above, including date and time of housekeeping activity.
10. Reporting
- a. Source Test Reports: The owner/operator shall report source test results used to demonstrate compliance to the District Source Test Section no later than 60 days after the test date. The content of the source test reports shall contain the information identified in Appendix 1 of the applicable ATCM. Source test records shall be maintained onsite at the facility and made available to the District upon request, for a period of 5 years from the date of the source test. [Basis: 93102.13(a)]
  - b. Ongoing Compliance Status Report: The owner/operator shall submit an annual compliance status report to the District on or before February 1, and shall include the following information for the preceding calendar year. The content of the ongoing status report shall include the information identified in Appendix 3 of the applicable ACTM. The report shall contain the name, title and signature of the responsible official who is certifying the accuracy of the report. [Basis: 93102.13(c)]

### **Condition #23670 for Sources 95, 96 (Boilers), 195 (Combustion Turbine), and 196 (Duct Burner)**

1. The owner/operator shall not operate S-95 or S-96 when S-195 and or S-196 are in operation, except during start-up or shutdown periods of S-195. [Basis: Offsets, Regulation 9-9-217 and Regulation 9-9-218]
2. For S-195, the owner/operator shall not exceed three (3) hours for start-up or one (1) hour for shutdown. [Basis: Cumulative Increase]
3. The owner/operator shall abate emissions from S-195 and S-196 with A-33 (Selective Catalytic Reduction/Carbon Monoxide Oxidation Catalyst) during all periods of operation. The owner/operator shall abate emissions from S-195 with water injection during all periods of operation. [Basis: BACT]
4. When firing natural gas, the owner/operator shall not operate S-195 or S-196 such that the nitrogen oxides (NO<sub>x</sub>) concentration in the exhaust exceeds 9 ppmvd corrected to 15% oxygen averaged over any three-hour period except during start-up or shutdown periods of S-195. [Basis: Regulation 9-9-114, Regulation 9-9-301.1.3]

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5. The owner/operator shall operate S-195 with only natural gas except for any of the following scenarios:
  - a. During a force majeure natural gas curtailment,
  - b. A power outage from the owner/operator's designated electric utility supplier preventing operation with natural gas; or
  - c. An unforeseeable failure or malfunction of natural gas equipment, which is out of the control of the owner/operator; or
  - d. Minor Inspection & Maintenance Work (e.g. Jet A fuel readiness testing).Force majeure natural gas curtailment is defined as an interruption in natural gas service, such that the daily fuel needs cannot be met with natural gas available, due to one of the following reasons:
  - a. An unforeseeable failure or malfunction, not resulting from an intentional act or omission that the governing state, federal, or local agency finds to be due to an act of gross negligence on the part of the owner or operator; or
  - b. A natural disaster; or
  - c. The natural gas is curtailed pursuant to governing state, federal, or local agency rules or orders; or
  - d. The serving natural gas supplier provides notice to the District that, with forecasted natural gas supplies and demands, natural gas service is expected to be curtailed pursuant to governing state, federal, or local agency rules or orders.[Basis: Cumulative Increase, Regulation 9-9-115]
6. Pursuant to Part 5, the owner/operator shall be allowed to operate S-195 with Jet A fuel for up to 2495 hours in any consecutive 12-month period. The owner/operator shall switch back to natural gas as soon as the natural gas supply and equipment can be safely restored by following current procedures and or guidelines to switch from Jet A fuel to natural gas. The procedure and or guidelines shall be made available for inspection upon request. [Basis: Cumulative Increase]
7. When firing Jet A fuel, the owner/operator shall not operate S-195 or S-196 such that the NO<sub>x</sub> concentration in the exhaust exceeds 16 ppmvd corrected to 15% oxygen averaged over any three hour period except during start-up or shutdown periods. [Basis: BACT]
8. The owner/operator shall not operate S-195 and or S-196 such that NO<sub>x</sub> emissions (calculated as NO<sub>2</sub>) from the full load operation of the gas turbine and duct burner exceed daily emissions of 365 lb/day when firing natural gas or 391 lb/day when firing Jet A fuel. [Basis: Offsets]
9. The owner/operator shall not cause SO<sub>2</sub> emissions to exceed 40 tons and total suspended particulate (TSP) emissions to exceed 25 tons in any consecutive 12-month period. To demonstrate compliance, the owner/operator shall not be allowed to use Jet A fuel with a sulfur content exceeding 0.12% (by weight). The maximum sulfur content of the Jet A fuel shall be demonstrated by vendor certification or District-approved laboratory analysis. [Basis: Cumulative Increase, 40 CFR 60.334(b)]

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10. For S-195 and S-196, the owner/operator shall not cause emissions of carbon monoxide (CO) to exceed 500 lb/day unless the CO Oxidation Catalyst is achieving 80 percent reduction efficiency or greater. [Basis: BACT, Cumulative Increase]
11. The owner/operator shall install, calibrate and operate District-approved continuous in-stack emission monitors and recorders for NOx, CO, and either oxygen or carbon dioxide from S-195 and S-196. The owner/operator shall report daily emissions to the District on a monthly basis, the format of which shall be subject to approval by the APCO. [Basis: Regulation 9-9-501, 40 CFR 60.334(b)]
12. The owner/operator shall provide stack sampling ports and platforms for the S-95, S-96, S-195 and S-196, the location of which shall be subject to APCO approval. [Basis: Manual of Procedures Volume IV, 1.2.4]
13. To demonstrate compliance with Parts 5 and 6 for Jet A operation, the owner/operator shall keep monthly records of the date, start time, end time, duration of operation, the sulfur content of the Jet A fuel and the reason for Jet A use. The owner/operator shall keep any documentation of natural gas curtailments. Monthly records of the hours of operation using Jet A fuel shall be totaled on a rolling 12-month basis. Records shall be kept for at least 5 years and be made available for inspection. [Basis: Cumulative increase, Regulation 2-1-403]
14. To demonstrate compliance with Part 5, Subsections 5ii, 5iii or 5a, the owner/operator shall notify the APCO within 24 hours of any unforeseeable failure or malfunction resulting in operation with Jet A fuel. The notification shall include the date, time and cause of the event. [Basis: Cumulative increase, Reporting]

### **Condition #23707 for Source 330 (Parts Cleaner (Bearing Inspection Shop))**

1. The owner/operator shall not allow solvent usage to exceed 50 gallons during any consecutive 12-month period. [Basis: Cumulative increase, BACT]
2. In order to demonstrate compliance with Part 1 above, the owner/operator shall maintain the following records:
  - a. Monthly quantities of each type of solvent used at this source;
  - b. Monthly quantities of each type of solvent recovered for disposal or recycling;
  - c. Monthly net usage of each type of solvent; and
  - d. Rolling 12-month totals of solvent usage.All records shall be retained on-site for five years, from the date of entry, and made available to District staff upon request. [Basis: Regulation 8-16-501, Recordkeeping]

## **VI. Permit Conditions**

### **Condition #23737 for Source 331 (Parts Cleaner (Landing Gear Shop))**

1. The owner/operator shall not allow solvent usage to exceed 100 gallons during any consecutive 12-month period. [Basis: Cumulative increase, BACT]
2. In order to demonstrate compliance with Part 1 above, the owner/operator shall maintain the following records:
  - a. Monthly quantities of each type of solvent used at this source;
  - b. Monthly quantities of each type of solvent recovered for disposal or recycling;
  - c. Monthly net usage of each type of solvent; and
  - d. Rolling 12-month totals of solvent usage.

All records shall be retained on-site for five years, from the date of entry, and made available to District staff upon request. [Basis: Regulation 8-16-501, Recordkeeping]

## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII. Requirements apply to all sources in each table unless otherwise noted.

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140: SOLVENT CLEANING**  
**OPERATIONS**  
**S56: SPRAY CLEANING – PRECLEAN ROOM**  
**S258: OIL COOLER FLUSH CART**  
**S284: OIL COOLER FLUSH CART**  
**S288, S289, S290: RECYCLING PARTS WASHERS**  
**S291, S292, S293: PARTS WASHERS**  
**S328, S329, S330, S331: PARTS CLEANERS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
HAP	None	Y		None	40 CFR 63.752(b)(1)	P/E	Recordkeeping
VOC for S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140	Condition #9044, Part 1	Y		32,000 gallons/yr mineral spirits, net usage	Condition #9044, Part 2	P/Q	Recordkeeping
Solvent usage for S258	BAAQMD Condition #8016, Part 1	Y		100 gal/yr	BAAQMD Condition #8016, Part 2	P/M	Recordkeeping
Usage for S284	BAAQMD Condition #18250, Part 1	Y		Solvent Usage 50 gal/yr	BAAQMD Condition #18250, Part 2	P/M	Recordkeeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140: SOLVENT CLEANING**  
**OPERATIONS**  
**S56: SPRAY CLEANING – PRECLEAN ROOM**  
**S258: OIL COOLER FLUSH CART**  
**S284: OIL COOLER FLUSH CART**  
**S288, S289, S290: RECYCLING PARTS WASHERS**  
**S291, S292, S293: PARTS WASHERS**  
**S328, S329, S330, S331: PARTS CLEANERS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Solvent usage for S288, S289, S290	BAAQMD Condition #18484, Part 1	Y		30 gal/yr (each)	BAAQMD Condition #18484, Part 2	P/M	Recordkeeping
Solvent usage for S291, S292, S293	BAAQMD Condition #18260, Part 1	Y		120 gal/yr (each)	BAAQMD Condition #18260, Part 2	P/M	Recordkeeping
Solvent usage for S328, S329	Condition #23500, Part 1	Y		100 gal/yr (each)	BAAQMD Condition #23500, Part 2	P/M	Recordkeeping
Solvent usage for S330	Condition #23707	Y		50 gal/yr	BAAQMD Condition #23707, Part 2	P/M	Recordkeeping
Solvent usage for S331	Condition #23737	Y		100 gal/yr	BAAQMD Condition #23737, Part 2	P/M	Recordkeeping

**VII. Applicable Limits and Compliance Monitoring Requirements**

**Table VII – B  
 Applicable Limits and Compliance Monitoring Requirements  
 S16, S17, S18, S19, S20, S21, S22, S23: CHROME PLATING OPERATIONS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hexa-valent Chrome	BAAQMD Regulation 11-8, Section 93102.4 (b)(1)  Condition #23542, Part 1a	N	N	≤0.0015 mg/amp-hr	BAAQMD Regulation 11-8, Section 93102.9(b) and 93102.12(c)(2)  Condition #23542, Part 6b and 6c	C	Pressure Differential
Amp-hours	Condition #23542, Part 1b	N		60 million amp-hrs/yr (combined usage)	BAAQMD Regulation 11-8, Section 93102.9(a)  Condition #23542, Part 6a, Part 9(b)(i)	C	Recording Amp-hr Meters
Pressure Drop	BAAQMD Regulation 11-8, Section 93102.9(b), 93102.9(b)(ii)  Condition #23542, Parts 6b and 6c	N		Acceptable differential pressure range across each abatement device: (in. H <sub>2</sub> O) A-216, A-217, A-218, A-219, A-220, A-221, A-222, A-223: ±2 inches of water column of the value established by most recent source test  A-416, A-418, A-420, A422: Minus ½ times to plus 2 times the inches of water column of the value established during the most recent source test	BAAQMD Regulation 11-8, Section 93102.10(a) & 93102.12(c)(1)  Condition #23542, Parts 6b and 6c	P/W	Pressure Differential



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS**  
**S97, S98, S99, S100, S101, S102, S103, S104: AIRCRAFT PAINTING DOCKS**  
**S275: PAINT SPRAY BOOTH**  
**S280: PAINT SPRAY BOOTH**  
**S327: AIRCRAFT GENERATOR REPAIR STATION**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-29-302.1	Y		Primer: 350 g/l (2.9 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.2	Y		Adhesive Bonding Primer: 850 g/l (7.1 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.3	Y		Interior Topcoat: 340 g/l (2.8 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.4	Y		Electric or Radiation Effect Coating: 800 g/l (6.7 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.5	Y		Extreme Performance Interior Topcoat: 420 g/l (3.5 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.6	Y		Fire Insulation Coating: 600 g/l (5.0 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.7	Y		Fuel Tank Coating: 720 g/l (6.0 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.8	Y		High-Temperature Coating: 720 g/l (6.0 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.9	Y		Sealant: 600 g/l (5.0 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.10	Y		Self-priming Topcoat: 420 g/l (3.5 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.11	Y		Topcoat: 420 g/l (3.5 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.12	Y		Pretreatment Wash Primer: 420 g/l (3.5 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.13	Y		Sealant Bonding Primer: 720 g/l (6.0 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-29-302.14	Y		Temporary Protective Coating: 250 g/l (2.1 lb/gal)	BAAQMD Regulation 8-29-501	P/W	Recordkeeping

Renewal Date: July 22, 2011

**VII. Applicable Limits and Compliance Monitoring Requirements**

**Table VII – C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS**  
**S97, S98, S99, S100, S101, S102, S103, S104: AIRCRAFT PAINTING DOCKS**  
**S275: PAINT SPRAY BOOTH**  
**S280: PAINT SPRAY BOOTH**  
**S327: AIRCRAFT GENERATOR REPAIR STATION**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 63.745(c)(2)	Y		Primer: 350g/l (2.9 lb/gal)	40 CFR 63.752(c)(2)	P/M	Recordkeeping
VOC	40 CFR 63.745(c)(4)	Y		Topcoats: 420g/l (3.5 lb/gal)	40 CFR 63.752(c)(2)	P/M	Recordkeeping
Organic HAP	40 CFR 63.745(c)(1)	Y		Primer: 350g/l (2.9 lb/gal)	40 CFR 63.752(c)(2)	P/M	Recordkeeping
Organic HAP	40 CFR 63.745(c)(3)	Y		Topcoats: 420g/l (3.5 lb/gal)	40 CFR 63.752(c)(2)	P/M	Recordkeeping
Inorganic HAP for S123	40 CFR 63.745(g)(2)(iv)	Y		95% reduction of HAPs	Permit Condition 21946, Part 3	C & once per shift	Pressure Differential & Recordkeeping
POC for S275	Condition #23499, Part 1	Y		14,780 lb/year	Condition #23499, Part 3	P/M	Recordkeeping
POC for S280	Condition #24442, Parts 1	Y		20 gal/yr primer 20 gal/yr topcoat 40 gal/yr solvent	Condition #24442, Part 2	P/M	Recordkeeping
POC for S327	Condition #22985, Part 1	Y		300 gal/yr Alcohol & mineral spirits 100 gal/yr WD-40 100 gal/yr primer 75 gal/yr topcoat	Condition #22985, Part 2	P/M	Recordkeeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S87, S88: APU TEST CELLS**  
**S89, S90: ENGINE TEST CELLS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0	None	N	N/A
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0	None	N	N/A
Visible emissions		N			BAAQMD Condition #16558, Part 2, 3	P/E	Visible Emissions Check
FP	SIP Regulation 6-310	Y		0.15 gr/dscf	None	N	N/A
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf	None	N	N/A
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	BAAQMD Regulation 9-1-501	N (unless requested by APCO)	N/A
Sulfur content	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition #16558, Part 1, 3 BAAQMD Condition #14315, Part 4, 6	P	Vendor Certification or BAAQMD-approved laboratory analysis
NOx for S90	BAAQMD Condition #14315, Part 3	Y		90.9 tons/yr	BAAQMD Condition #14315, Part 3, 6	P/M	Records: Based on Engine Specific Emission Factors and Fuel Usage
Usage for S90	BAAQMD Condition #14315, Part 1	Y		Total Fuel Usage: <764,000 gallons during any consecutive 12 month period	BAAQMD Condition #14315, Part 6	P/M	Recordkeeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S87, S88: APU TEST CELLS**  
**S89, S90: ENGINE TEST CELLS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Usage for S90	BAAQMD Condition #14315, Part 2	Y		Model PW4090 Fuel Usage: ≤344,500 gallons during any consecutive 12 month period	BAAQMD Condition #14315, Part 6	P/M	Recordkeeping

**Table VII – E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S92: AIRCRAFT WASH AREA**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-4-302.1	N		5 tons/yr (each source)	BAAQMD Regulation 8-4-501	P/A	Recordkeeping
VOC	SIP Regulation 8-4-302.1	Y		5 tons/yr (each source)	BAAQMD Regulation 8-4-501	P/A	Recordkeeping

**Table VII – F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S95, S96: BOILERS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	Y		Ringelmann 1.0	None	N	N/A
FP	BAAQMD Regulation 6-1-310	Y		0.15 gr/dscf @ 6% O2	None	N	N/A
NOx	BAAQMD Regulation 9-7-112.2	Y		Gaseous Fuel: 30 ppmv @ 3% O2 (dry)	None	N	N/A

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S95, S96: BOILERS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NOx	BAAQMD Regulation 9-7-301.1	Y		Gaseous Fuel: 30 ppmv @ 3% O2 (dry)	None	N	N/A
NOx	BAAQMD Regulation 9-7-301.2	Y		Non-Gaseous Fuel: 40 ppmv @ 3% O2 (dry)	None	N	N/A
NOx	BAAQMD Regulation 9-7-307.6	Y	1/1/2012 & 1/1/2013*	Gaseous Fuel: 5 ppmv @ 3% O2 (dry)	None	N	N/A
NOx	BAAQMD Regulation 9-7-307.8	Y	1/1/2012 & 1/1/2013*	Non-Gaseous Fuel: 40 ppmv @ 3% O2 (dry)	None	N	N/A
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	BAAQMD Regulation 9-1-501	N (unless requested by APCO)	N/A
SO2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry) general emission limitation	None	N	N/A
Sulfur limit	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5% (liquid fuels)	None	P/E	Vendor fuel certification or BAAQMD-approved laboratory analysis
CO	BAAQMD Regulation 9-7-112.2	Y		Non-Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	None	N	N/A
CO	BAAQMD Regulation 9-7-301.4	Y		Non-Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	None	N	N/A
CO	BAAQMD Regulation 9-7-307.6	Y	1/1/2012 & 1/1/2013*	Non-Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	None	N	N/A
CO	BAAQMD Regulation 9-7-307.8	Y	1/1/2012 & 1/1/2013*	Non-Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	None	N	N/A

\*Not applicable when boilers meet limited exemption Regulation 9-7-112

Renewal Date: July 22, 2011

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S110, S191: VARNISH DIP TANKS, WITH ASSOCIATED ELECTRIC CURING OVENS**  
**S240: MISCELLANEOUS RESIN LAMINATING**  
**S262: ADHESIVE APPLICATION AND STRIPPING OPERATION**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-4-302.1	Y		5 tons/yr (each source)	BAAQMD Regulation 8-4-501	P/A	Recordkeeping
VOC	BAAQMD Regulation 8-4-302.3	Y		≤3.5 lb/gal coating VOC limit (alternative to 5 ton limit)	BAAQMD Regulation 8-4-501	P/A	Recordkeeping
POC for S262	BAAQMD Condition #9078, Parts 1, 2	Y		2,020 gallons/yr solvent; 638 gallons/year adhesive	BAAQMD Condition #9078, Part 3	P/M	Recordkeeping

**Table VII – H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-49-301	Y		% VOC (various)	8-49-401	P/E	Manufacturer Labeling
VOC	BAAQMD Regulation 8-14-302.2	Y		Air-Dried Coatings: 340 g/l (2.8 lb/gal)	BAAQMD Regulation 8-14-501	P/D	Recordkeeping
VOC	BAAQMD Regulation 8-14-310.1 to 310.5	Y		Specialty Coatings, Air-dried coating: 420 g/l or 3.5 lb/gal	BAAQMD Regulation 8-14-501	P/D	Recordkeeping
VOC	BAAQMD Regulation 8-19-302.2	Y		Air-Dried Coatings: 340 g/l (2.8 lb/gal)	BAAQMD Regulation 8-19-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-19-312.1 to 312.13	Y		Specialty Coatings, Air-dried coating: 420 g/l or 3.5 lb/gal	BAAQMD Regulation 8-19-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-32-302	N		General Wood Products: 120 – 350 g/l (1.0 – 2.9 lb/gal)	BAAQMD Regulation 8-32-501	P/D	Recordkeeping
VOC	BAAQMD Regulation 8-32-303	N		Wood Furniture: 120 – 550 g/l (1.0 – 4.6 lb/gal)	BAAQMD Regulation 8-32-501	P/D	Recordkeeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-32-304	N		Custom Furniture: 120 – 550 g/l (1.0 – 4.6 lb/gal)	BAAQMD Regulation 8-32-501	P/D	Recordkeeping
VOC	SIP Regulation 8-32-303.1	Y		General, High Solids, Specific Coating: 240-275 g/l (2.0 - 2.3 lb/gal)	SIP Regulation 8-32-501	P/D	Recordkeeping
VOC	SIP Regulation 8-32-303.2	Y		General, Low Solids coating: 120 g/l (1.0 lb/gal)	SIP Regulation 8-32-501	P/D	Recordkeeping
VOC	SIP Regulation 8-32-304.1	Y		Furniture, High Solids, Specific Coating: 275 - 420 g/l (2.3 – 3.5 lb/gal)	SIP Regulation 8-32-501	P/D	Recordkeeping
VOC	SIP Regulation 8-32-304.2	Y		Furniture, Low Solids: 120 g/l (1.0 lb/gal)	SIP Regulation 8-32-501	P/D	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Adhesion Promoter: 540 g/l or 4.5 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Clear Coating: 250 g/l or 2.1 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Color Coating: 420 g/l or 3.5 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Multi-Color Coating: 680 g/l or 5.7 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Pretreatment Coating: 660 g/l or 5.5 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Primer Coating: 250 g/l or 2.1 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Primer Sealer Coating: 250 g/l or 2.1 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Single-Stage Coating: 340 g/l or 2.8 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Temporary Protective Coating: 60 g/l or 0.5 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Truck Bed Liner Coating: 310 g/l or 2.6 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping

Renewal Date: July 22, 2011

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S155, S156, S157: FACILITIES PAINT BOOTHS**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-45-301.3	Y		Underbody Coating: 430 g/l or 3.6 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Uniform Finish Coating: 540 g/l or 4.5 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-301.3	Y		Any Other Type of Coating: 250 g/l or 2.1 lb/gal	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-45-308.4	Y		Surface Preparation Solvent: general: 72 g/l (0.6 lb/gal) hand held spray: 780 g/l (6.5 lb/gal)	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
Material type	BAAQMD Regulation 8-45-312	Y		Adhesion promoter, uniform finish & multi-color coating not to exceed 5% of all topcoats applied by volume	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
Usage	BAAQMD Regulation 8-45-314	Y		Precoat usage: 25% of waterborne primer sealer	BAAQMD Regulation 8-45-501	P/M	Recordkeeping
VOC	SIP Regulation 8-45-301.1	Y		Group I Vehicles, Precoat: 600 g/l or 5.0 lb/gal)	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	SIP Regulation 8-45-301.2	Y		Group II Vehicles, Precoat: 600 g/l or 5.0 lb/gal)	BAAQMD Regulation 8-45-501	P/W	Recordkeeping
VOC	BAAQMD Regulation 8-49-301	Y		% VOC (various)	8-49-401	P/E	Manufacturer Labeling



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S195: COMBUSTION TURBINE**  
**S196: DUCT BURNER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD Regulation 6-1-301	N		Ringelmann 1.0	None	N	N/A
Opacity	SIP Regulation 6-301	Y		Ringelmann 1.0	None	N	N/A
FP	BAAQMD Regulation 6-1-310	N		0.15 gr/dscf @ 6% O2	None	N	N/A
FP	SIP Regulation 6-310	Y		0.15 gr/dscf @ 6% O2	None	N	N/A
TSP	BAAQMD Condition #23670 Part 9	Y		25 tons/year Combined: S-195, S-196	None	N	N/A
NOx	BAAQMD Regulation 9-9-301.3	Y		9 ppmv @ 15% O2 (dry) 3-hour average	BAAQMD Regulation 9-9-501	C	C.E.M.
NOx	40 CFR 60.332 (a)(2)	Y		90 ppmv @ 15% O2 (dry)	40 CFR 60.334 (b)	C	C.E.M.
NOx	BAAQMD Condition #23670 Part 4	Y		9 ppmv @ 15% O2 (dry)	BAAQMD Condition #23670 Part 11	C	C.E.M.
NOx	BAAQMD Condition #23670 Part 7	Y		16 ppmv @ 15% O2 (dry)	BAAQMD Condition #23670 Part 11	C	C.E.M.
NOx	BAAQMD Condition #23670 Part 8	Y		S-195, S-196 Daily Emissions: 365 lb/day (natural gas), 391 lb/day (jet fuel)	BAAQMD Condition #23670 Part 11	C	C.E.M.
SO2	BAAQMD Regulation 9-1-301	Y		Ground Level Concentrations: 0.5 ppm for 3 consecutive minutes, 0.25 ppm averaged over 60 consecutive minutes, 0.05 ppm averaged over 24 hours	BAAQMD Regulation 9-1-501	N (unless requested by APCO)	N/A

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S195: COMBUSTION TURBINE**  
**S196: DUCT BURNER**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO2	BAAQMD Regulation 9-1-302	Y		300 ppm (dry) general emission limitation	None	N	N/A
Sulfur content	BAAQMD Regulation 9-1-304	Y		Fuel Sulfur Content 0.5% (liquid fuels)	BAAQMD Condition #440 Part 3, Part 9	P/E	Liquid fuel usage records, vendor fuel certification
Sulfur content	40 CFR 60.333 (b)	Y		0.8% (wt) Fuel Sulfur Content	40 CFR 60.334 (b)	P/E	Sulfur content of fuel
SO2	BAAQMD Condition #23670 Part 9	Y		Fuel Requirement: natural gas or jet A fuel with fuel sulfur content $\leq 0.12\%$ (wt)	BAAQMD Condition #23670 Part 9	P/E	Liquid fuel usage records, vendor fuel certification
SO2	BAAQMD Condition #23670 Part 9	Y		40 tons/year	None	N	N/A
CO	BAAQMD Condition #23670 Part 10	Y		500 lb/day or $\geq 80\%$ reduction efficiency	BAAQMD Condition #23670 Part 11	C	C.E.M.
Usage	BAAQMD Condition #23670 Part 6	Y		Jet Fuel Usage: $\leq 2,495$ hrs/yr	BAAQMD Condition #23670 Part 13	P/E	Record of Hours of Operation on Jet Fuel

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S198: WIPE CLEANING**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 63.744 (b)(2)	Y		Composite Vapor Pressure: ≤45 mmHg @ 68 degrees F	40 CFR 63.752(b)(3)	P/M	Recordkeeping

**Table VII - K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S244: DISSOLVED AIR FLOTATION UNIT**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Rate	BAAQMD Condition #5696, Part 2	Y		Wastewater Treatment Rate: ≤700 gal/min	None	D	Recordkeeping
VOC	BAAQMD Condition #5696, Part 3	Y		Annual Wastewater Throughput: ≤200,000,000 gallons	BAAQMD Condition #5696, Part 4	P/D	Recordkeeping
		Y			BAAQMD Regulation 8-8-307	P	Inspection for Gaps

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S285 NON-RETAIL GASOLINE DISPENSING FACILITY**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Gasoline Through-put	BAAQMD Condition #18349	N		500,000 gallons per 12-month period	BAAQMD 8-7-503.1	P/A	Records
Through-put (exempt from Phase I)	BAAQMD 8-7-114	Y		≤1000 gallons per facility for tank integrity leak checking	BAAQMD 8-7-501 and 8-7-503.2	P/E	Records
Organic Compounds	BAAQMD 8-7-301.2	Y		All Phase I Systems Shall Meet the Emission Limitations of the Applicable CARB Certification	None	N	Use CARB Certified System
Organic Compounds	BAAQMD 8-7-301.6	Y		All Phase I Equipment (except components with allowable leak rates) shall be leak free (≤3 drops/minute) and vapor tight	BAAQMD Condition #16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	BAAQMD 8-7-302.5	Y		All Phase II Equipment (except components with allowable leak rates or at the nozzle/fill-pipe interface) Shall Be: leak free (≤3 drops/minute) and vapor tight	BAAQMD Condition #16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Organic Compounds	BAAQMD Condition #18135, Part 3	Y		Any emergency vent or manway shall be leak free	BAAQMD Condition #16516	P/A	Annual Check for Vapor Tightness and Proper Operation of Vapor Recovery System
Defective Component Repair/Replacement Time Limit	BAAQMD 8-7-302.4	N		Must be repaired or replaced within 7 days	BAAQMD 8-7-503.2	N	Record-keeping

Renewal Date: July 22, 2011

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII – L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S285 NON-RETAIL GASOLINE DISPENSING FACILITY**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Liquid Removal Rate	BAAQMD 8-7-302.8	Y		≥ 5 ml per gallon dispensed, when dispensing rate > 5 gallons/minute	None	N	Use CARB Certified System
Liquid Retain from Nozzles	BAAQMD 8-7-302.12 SIP 8-7-302.12	Y		≤ 100 ml per 1000 gallons dispensed	None	N	Use CARB Certified System
Nozzle Spitting	BAAQMD 8-7-302.13 SIP 8-7-302.13	Y		≤ 1.0 ml per nozzle per test	None	N	Use CARB Certified System
Pressure-Vacuum Valve Settings	BAAQMD 8-7-316	Y		Pressure Setting: Less than 2.5 inches of water, gauge	BAAQMD 8-7-316	N	P/V valve

**Table VII - M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Sulfur Content	BAAQMD 9-1-304	Y		≤ 0.5% by weight	None	P/E	Vendor fuel certification or BAAQMD-approved laboratory analysis
Hours of Operation	BAAQMD 9-8-330.2	N		≤ 100 hours each per calendar year for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-502.1 & 9-1-530	P/M	Records
Hours of Operation	BAAQMD 9-8-330.3	N	1/1/2012	≤ 50 hours each per calendar year for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-502.1 & 9-1-530	P/M	Records

Renewal Date: July 22, 2011

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
Opacity	SIP 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
Hours of Operation for S295, S296, S297, S300, S301, S315	Condition 22820, Part 1	Y		≤ 20 hours/year for reliability-related activities	Condition 22820, Part 3	C	Totalizing meter for hours of operation and records
					Condition 22820, Part 4	P/M	Records
Hours of Operation for S295, S296, S297, S300, S310, S315	93115.6(b)(3)(A)(1)(a)	N		≤ 20 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	P/M	Records
Hours of Operation for S326, S333	Condition 22850, Part 1	Y		≤ 50 hours/year for reliability-related activities	Condition 22850, Part 3	C	Totalizing meter for hours of operation and records
					Condition 22850, Part 4	P/M	Records
Hours of Operation for S326, S333	93115.6(a)(3)(A)(1)(a)	N		≤ 50 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	P/M	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - M**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S295, S296, S297, S300, S301, S315, S326, S333: EMERGENCY STANDBY ENGINES**  
**(DIESEL)**  
**S302: EMERGENCY STANDBY ENGINE (PROPANE)**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	40 CFR 63.6640(f)(1)(ii)	Y	5/3/2013	≤100 hours each per calendar year for maintenance checks and readiness testing	40 CFR 63.6625(f)	C	Totalizing meter for hours of operation
					40 CFR 63.6655(f)	P/M	Records
Hours of Operation	40 CFR 63.6640(f)(1)(iii)	Y	5/3/2013	≤50 hours each per calendar year for non-emergency operation	40 CFR 63.6625(f)	C	Totalizing meter for hours of operation
					40 CFR 63.6655(f)	P/M	Records
Engine idle time during startup	40 CFR 63.6625(h)	Y	5/3/2013	≤30 minutes	None	N	N/A
Schedule for oil and filter change for S295, S296, S297, S300, S301, S326, S333	Table 2c 1.a. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records
Schedule for air cleaner inspection for S295, S296, S297, S300, S301, S326, S333	Table 2c 1.b. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 1,000 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records
Schedule for hose and belt inspection for S295, S296, S297, S300, S301, S326, S333	Table 2c 1.c. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records
Schedule for oil and filter change for S302	Table 2c 6.a. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - N**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314: EMERGENCY**  
**STANDBY ENGINE, FIRE PUMP ENGINE**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Fuel Sulfur Content	BAAQMD 9-1-304	Y		≤ 0.5% by weight	None	P/E	Vendor fuel certification or BAAQMD-approved laboratory analysis
Hours of Operation	BAAQMD 9-8-330.2	N		≤100 hours each per calendar year for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-502.1 & 9-1-530	P/M	Records
Hours of Operation	BAAQMD 9-8-330.3	N	1/1/2012	≤50 hours each per calendar year for reliability testing	BAAQMD 9-8-530	C	Totalizing meter for hours of operation
					BAAQMD 9-8-502.1 & 9-1-530	P/M	Records
Hours of Operation	93115.6(a)(4) (A)(1)(b)	N		≤ 34 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(e) (1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(g)	P/M	Records
Opacity	BAAQMD 6-1-303.1	N		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
Opacity	SIP 6-303.1	Y		Ringelmann No. 2 for no more than 3 minutes in any hour or equivalent opacity	None	N	N/A
FP	BAAQMD 6-1-310	N		0.15 grain/dscf	None	N	N/A
FP	SIP 6-310	Y		0.15 grain/dscf	None	N	N/A
Hours of Operation	Condition 22851, Part 1	N		≤ 34 hours/year for reliability-related activities	Condition 22851, Part 3	C	Totalizing meter for hours of operation and records
					Condition 22851, Part 4	P/M	Records



## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - N**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314: EMERGENCY**  
**STANDBY ENGINE, FIRE PUMP ENGINE**

Type of Limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	40 CFR 63.6640(f)(1)(ii)	Y	5/3/2013	≤100 hours each per calendar year for maintenance checks and readiness testing	40 CFR 63.6625(f)	C	Totalizing meter for hours of operation
					40 CFR 63.6655(f)	P/M	Records
Hours of Operation	40 CFR 63.6640(f)(1)(iii)	Y	5/3/2013	≤50 hours each per calendar year for non-emergency operation	40 CFR 63.6625(f)	C	Totalizing meter for hours of operation
					40 CFR 63.6655(f)	P/M	Records
Engine idle time during startup	40 CFR 63.6625(h)	Y	5/3/2013	≤30 minutes	None	N	N/A
Schedule for oil and filter change	Table 2c 1.a. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records
Schedule for air cleaner inspection	Table 2c 1.b. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 1,000 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records
Schedule for hose and belt inspection	Table 2c 1.c. to 40 CFR Part 63 Subpart ZZZZ	Y	5/3/2013	Every 500 hours of operation or annually, whichever comes first	40 CFR 63.6655(e)	N	Records

**Table VII - O**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S316, S317, S318, S319, S320, S321, S322, S323: THERMAL SPRAY BOOTHS**

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Pressure drop	CCR, Title 17, Section 93101.5(e)(2)	N		Pressure drop must be maintained per manufacturer's specifications	CCR, Title 17, Section 93101.5 (e)(1)	P/M	Recordkeeping

## VII. Applicable Limits and Compliance Monitoring Requirements

**Table VII - O**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S316, S317, S318, S319, S320, S321, S322, S323: THERMAL SPRAY BOOTHS**

Type of limit	Emission Limit Citation	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Usage	BAAQMD Condition #23504, Part 1	N		54,400 pounds of material containing nickel or chromium/year	BAAQMD Condition #23504, Part 8	P/M	Recordkeeping
Pressure drop	BAAQMD Condition #23504, Part 6	N		Across dry filter: 0.3" to 4.5" water column Across HEPA filter: 1" to 4" water column	BAAQMD Condition #23504, Part 6, 7, 8	P/W	Pressure differential, recordkeeping

## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

**Table VIII  
 Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
BAAQMD 8-2-301	Miscellaneous Operations, POC (as Total Carbon)	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-4-302	Solvent and Surface Coating Requirements, VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-4-302.3	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
SIP 8-4-302	Solvent and Surface Coating Requirements, VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-7-301.6	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.5	Vapor Tightness Requirement	Manual of Procedures, Volume IV, ST-38, Gasoline Dispensing Facility Static Pressure Integrity Test Aboveground Vaulted Tanks or ARB Test Method TP 201.3B Determination of Static Pressure Performance of Vapor Recovery Systems of Dispensing Facilities with Above-Ground Storage Tanks
BAAQMD 8-7-302.8	Liquid Removal Rate	Manual of Procedures, Volume IV, ST-37, Gasoline Dispensing Facility Liquid Removal Devices
BAAQMD 8-7-302.12	Liquid Retain from Nozzles	CARB Test Procedure TP-201.2E; or CARB determined equivalent
BAAQMD 8-7-302.13	Nozzle Spitting	CARB Test Procedure TP-201.2D; or CARB determined equivalent
SIP 8-7-302.12	Liquid Retain from Nozzles	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses
SIP 8-7-302.13	Nozzle Spitting	Manual of Procedures, Volume IV, ST-41, Gasoline Liquid Retention in Nozzles and Hoses

## VIII. Test Methods

**Table VIII**  
**Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 8-8-302.1	“Vapor Tight” Inspection Procedures	EPA Method 21, Determination of Volatile Organic Compound Leaks
BAAQMD 8-19-302, 312	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-19-302, 312, 313	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-29-302	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-29-302, 310	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-31-302, 306, 309	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-31-302, 306, 309, 310	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-32-302.1, 303.1, 304.1	High Solids Coatings, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-32-302.2, 303.2, 304.2	Low Solids Coatings, VOC Content	Manual of Procedures, Volume III; Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids Coatings
BAAQMD 8-32-302, 303, 304	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
SIP 8-32-303.1, 304.1	High Solids Coatings, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings

## VIII. Test Methods

**Table VIII**  
**Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 8-32-303.2, 304.2	Low Solids Coatings, VOC Content	Manual of Procedures, Volume III; Method 31, Determination of Volatile Organic Compounds in Paint Strippers, Solvent Cleaners and Low Solids Coatings
BAAQMD 8-45-301	Surface Coating, VOC Content	Manual of Procedures, Volume III; Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings; or Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-45-301	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-45-219	Pretreatment Wash Primer Designation, Acid Content	ASTM Test Method D-1613-85, Determination of Acid Content
SIP 8-45-301	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-47-301, 302	Determination of VOC Emissions	Manual of Procedures, Volume IV, ST-7, Organic Compounds; or EPA Method 25, Determination of Total Gaseous Nonmethane Organic Emissions as Carbon; or EPA Method 25A, Determination of Total Gaseous Nonmethane Organic Emissions Using a Flame Ionization Analyzer
BAAQMD 8-49-301	Determination of Compliance, VOC Content	Manual of Procedures, Volume III, Method 35, Determination of Volatile Organic Compounds (VOC) in Solvent Based Aerosol Paints; or Method 36, Determination of Volatile Organic Compounds (VOC) in Water Based Aerosol Paints
SIP 8-49-301	Determination of Compliance, VOC Content	Manual of Procedures, Volume III, Method 35, Determination of Volatile Organic Compounds (VOC) in Solvent Based Aerosol Paints; or Method 36, Determination of Volatile Organic Compounds (VOC) in Water Based Aerosol Paints
BAAQMD 8-50-301	VOC Loss	Manual of Procedures, Volume III, Method 23, Determination of Volatile Weight Loss of Polyester Resins
BAAQMD 8-50-301	VOC Loss, Samples Containing Parachlorobenzotrifluorides	Manual of Procedures, Volume III, Method 41, Determination of Volatile Parachlorobenzotrifluorides in Solvent Based Coatings, Inks, and Related materials
BAAQMD 8-50-301	VOC Loss, Samples Containing Methylsiloxanes	Manual of Procedures, Volume III, Method 43, Determination of Volatile Methylsiloxanes in Solvent Based Coatings, Inks, and Related materials
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling; or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-7-301.1	Emission Limit, NOx, Gaseous Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling

## VIII. Test Methods

**Table VIII  
 Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 9-7-301.2	Emission Limit, CO, Gaseous Fuel	Manual of Procedures, Volume IV, ST-6, Carbon Monoxide, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-301.3	Emission Limit, NOx, Turbines Rated $\geq 10$ MW w/SCR	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD 9-9-501	Continuous Emission Monitoring	Manual of Procedures, Volume V, Continuous Emission Monitoring Policy and Procedures
BAAQMD 11-8 93102 (c)(1)(A)	Emission Limit, Hexavalent Chromium	CARB Test Method 425, (Section 94135, Title 17, California Code of Regulations); or EPA Method 306, Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations; or SCAQMD Method 205.1, Total Chromium
BAAQMD Cond. #23670, Part 4	Emission Limit, NOx, Natural Gas	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #23670, Part 7	Emission Limit, NOx, Jet Fuel	Manual of Procedures, Volume IV, ST-13A, Oxides of Nitrogen, Continuous Sampling and ST-14, Oxygen, Continuous Sampling
BAAQMD Cond. #23670, Part 6	SO <sub>2</sub> Emissions, Fuel Sulfur Content	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD Cond. #23542, Part 1	Emission Limit, Hexavalent Chromium	CARB Test Method 425, (Section 94135, Title 17, California Code of Regulations); or EPA Method 306, Determination of Chromium Emissions from Decorative and Hard Chromium Electroplating and Anodizing Operations; or SCAQMD Method 205.1, Total Chromium
40 CFR 60 Subpart GG 60.332(a)(1)	Performance Standard, NOx	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
40 CFR 60 Subpart GG 60.333(a)	SO <sub>2</sub> Volumetric Emission Limit	EPA Method 20, Determination of Nitrogen Oxides, Sulfur Dioxide, and Diluent Emissions from Stationary Gas Turbines
40 CFR 60 Subpart GG 60.333(b)	Fuel Sulfur Limit (fuel oils)	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel Oils
40 CFR 60 Subpart GG 60.333(b)	Fuel Sulfur Limit (gaseous fuel)	ASTM D 1072-80, Standard Method for Total Sulfur in Fuel Gases; and/or ASTM D 3031-81, Standard Test Method for Total Sulfur in Natural Gas by Hydrogenation
40 CFR 60 Subpart GG 60.334(b)	Fuel Sulfur and Nitrogen Content	ASTM D 2880-71, Standard Specification for Gas Turbine Fuel Oils
40 CFR 63.745(c)	Determination of HAP and VOC Content in Aerospace Coatings	EPA Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings

## IX. PERMIT SHIELD

### A. Non-applicable Requirements

Pursuant to District Regulations 2-6-233 and 2-6-409.12, the federally enforceable regulations and/or standards cited in the following table(s) do not apply to the source or group of sources identified in the first column of the table(s). Enforcement actions and litigation may not be initiated against the source or group of sources covered by this shield based on the regulatory and/or statutory provisions cited, as long as the reasons listed below remain valid for the source or group of sources covered by this shield.

Source #	Source Description	Requirements Not Applicable	Basis
56	Spray Cleaning – Preclean Room	BAAQMD Regulation 8-16	Cleaning process is not a vapor degreaser, conveyORIZED cleaner or cold cleaner
95, 96	Boilers	40 CFR Part 60 Subpart Da	Electric Utility Steam Generating Unit Constructed or Modified after September 18, 1978, with a Heat Input >250 MMBTU/hr: The boiler maximum heat input rates are less than 250 MMBtu/hr and does not meet the definition of an <i>electric utility steam generating unit</i> in 40 CFR 60.41Da.
155, 156, 157	Non-Aerospace Paint Booths	40 CFR Part 63 Subpart GG	40 CFR 63, Subpart GG; Basis: National Emission Standards for Aerospace Manufacturing and Rework Facilities: This subpart is not applicable to the coating of non-aerospace parts.
155, 156, 157, 191	Non-Aerospace Paint Booths	BAAQMD Regulation 8-29	Spray Booths are not used for Aerospace Components
195	Combustion Turbine	40 CFR Part 60 Subpart Da	Electric Utility Steam Generating Unit Constructed or Modified after September 18, 1978, with a Heat Input >250 MMBTU/hr: The combustion turbine does not meet the definition of an <i>electric utility steam generating unit</i> .
195	Combustion Turbine	40 CFR Part 68 Subpart F	Chemical Accident Prevention Provisions (Risk Management Plan): Ammonia in process (for SCR system) is below the threshold quantity of 10,000 lbs and is limited to 8,925 lbs under CCR Title 8, Section 509 (g)(h) Threshold Determination.
195	Combustion Turbine	40 CFR Part 72	Exemption, Acid Rain Program – Unaffected Unit: Designated as a “Qualifying Facility” under Section 3(17)(C) of the Federal Power Act.
195	Combustion Turbine	BAAQMD Regulation 2-6-302	Major Facility Review Requirements for Phase II Acid Rain Facilities: Facility is exempt as a “Qualifying Facility” as defined per Section 2-6-217.2.

**VIII. Test Methods**

Source #	Source Description	Requirements Not Applicable	Basis
195	Combustion Turbine	BAAQMD Regulation 2, Rule 7	Exemption, Acid Rain Program – Unaffected Unit: Designated as a “Qualifying Facility” under Section 3(17)(C) of the Federal Power Act.
196	Duct Burner	40 CFR Part 60 Subpart Da	Electric Utility Steam Generating Unit Constructed or Modified after September 18, 1978, with a Heat Input >250 MMBTU/hr: The duct burner does not meet the definition of an <i>electric utility steam generating unit</i> in 40 CFR 60.41Da.
196	Duct Burner	40 CFR Part 68 Subpart F	Chemical Accident Prevention Provisions (Risk Management Plan): Ammonia in process (for SCR system) is below the threshold quantity of 10,000 lbs and is limited to 8,925 lbs under CCR Title 8, Section 509 (g)(h) Threshold Determination.
196	Duct Burner	40 CFR Part 72	Exemption, Acid Rain Program – Unaffected Unit: Designated as a “Qualifying Facility” under Section 3(17)(C) of the Federal Power Act.
196	Duct Burner	BAAQMD Regulation 2-6-302	Major Facility Review Requirements for Phase II Acid Rain Facilities: Facility is exempt as a “Qualifying Facility” as defined per Section 2-6-217.2.
196	Duct Burner	BAAQMD Regulation 2, Rule 7	Exemption, Acid Rain Program – Unaffected Unit: Designated as a “Qualifying Facility” under Section 3(17)(C) of the Federal Power Act.
262	Adhesive Application and Stripping Operation	40 CFR Part 63 Subpart GG	National Emission Standards for Aerospace manufacturing and Rework Facilities: This Subpart is not applicable to use of specialty coatings, adhesives, adhesive bonding primers or sealants
262	Adhesive Application and Stripping Operation	BAAQMD Regulation 8-29	Aerospace Assembly and Component Coating Operations: Application of adhesives are exempt from the rule per 8-29-116.
275	Tire Shop Maintenance and Repair	40 CFR Part 63 Subpart GG	40 CFR 63.741(f), Applicability. This Subpart is not applicable to use of specialty coatings, adhesives, adhesive bonding primers or sealants. These sources only apply coatings as defined in Appendix A to Subpart GG.



**VIII. Test Methods**

Source #	Source Description	Requirements Not Applicable	Basis
S-295, 296, 297, 300 through 315, 326, and 333	Emergency Standby Engine	40 CFR Part 60 Subpart JJJJ	Standards of Performance for Stationary Spark Ignition Internal Combustion Engines: 40 CFR 60.4230, Applicability. This Subpart is not applicable to compression ignition (IC) engines at this facility. S-302, the only spark ignition engine at this facility does not meet the applicability standards at 40 CFR 60.4230.

## **X. REVISION HISTORY**

Original Title V Operating Permit Issued: March 21, 2000

Revised Final Title V Operating Permit Issued October 22, 2003

Significant Revisions Including the Following Activities:

- Increase fuel usage capacity at S-90, Engine Test Cell #5. (see Application #1870)
- Exempt from permitting and remove from the Title V permit all enclosed abrasive blast equipment. (see Application #2582)
- Add S-284, Oil Cooler Flush Cart. (see Application #2818)
- Add S-286 through S-290, Recycling Parts Washers. (see Application #2894)
- Exempt from permitting and remove from the Title V permit, S-52, S-62, S-266, and S-268, Sermetal Coating Operations. (see Application #2941)
- Add S-291 through S-293, Parts Washers. (see Application #3285)
- Authorize a change of permit conditions (Condition #6465) and Approve Alternative Requirements under Section 93102(k) of the CARB ATCM for Hexavalent Chromium for S-16 through S-25 and S-246, Chrome Plating Operations. (see Application #6913)
- Remove sources from the Title V permit that have been removed from the facility and archived by the District at United's request. (see Permit Evaluation for MFR Permit, Significant Revision)
- Remove Electric Drying/Curing Ovens from the Title V permit where they have been logically grouped with other sources (e.g. coating operations) and were archived by the District.
- Remove S-277, Paint Spray Booth, because this source is operated at another United Airlines facility that is not contiguous to the S.F. Maintenance Center.
- Reinstate the permit for S-78, Solvent Spray Booth, and add the source to the Title V permit. S-78 had been mistakenly archived.
- Modify the Generally Applicable Requirements section of the Title V permit to include: updating the text to the current standard, updating the applicable requirements in Table III to reflect the current versions of the cited regulations and the addition of generally applicable requirements that were overlooked in the initial Title V permit. For example, the current BAAQMD and SIP versions of Regulation 8, Rule 16 were added because United has unpermitted sources not included in the Title V permit that are subject to these requirements.
- Modify the Source Specific Applicable Requirements section to: update the text to the current standard, update the applicable requirements tables to reflect the current versions of the cited regulations, and add and delete applicable requirements tables for sources that have been added or removed as discussed above.
- Add newly established chrome plating requirements to Table IV-B.

Renewal Date: July 22, 2011

## X. Revision History

- Remove Regulation 6 requirements from Table IV-H because the Aircraft Washing Area is not a source of particulates. Regulation 8, Rule 4 requirements were added because cleaning agents containing volatile organic compounds are used.
- At United’s request, the applicable requirements for the Non Aerospace Paint Booths S156 and S157 were combined with the Mobile Equipment/Motor Vehicle Paint Booth S155 and the 3 sources were renamed “Facilities Paint Booths”. In addition to the applicable requirements initially cited for the 3 paint booths, United requested that the applicable requirements of Regulation 8, Rule 14 “Surface Coating of Large Appliances and Metal Furniture” and Regulation 8, Rule 49 “Aerosol Paint Products” be added to the permit. These requirements appear in Table IV-P.
- At United’s request, the requirements for Regulation 8, Rule 50 “Polyester Resin Operations” were removed from S-240, Miscellaneous Resin Laminating (see Table IV-X) and replaced with the applicable requirements for Regulation 8, Rule 4 “General Solvent and Surface Coating Operations”. This change was made because Regulation 8-50 applies only to the manufacturing of products using polyester resins. United’s resin laminating operations are limited to small repairs of existing laminated products.
- In Table IV-CC for S-269, Aerospace Corrosion Inhibitor Spray Booth, the NESHAP requirements for Aerospace Manufacturing and Rework Facilities were removed because it was determined that they were not applicable to the type of coating being performed at this spray booth.
- Add, remove, and modify permit conditions in accordance with the previously discussed revisions to the permit.
- Update Applicable Limits and Compliance Monitoring Requirements in accordance with the previously discussed revisions to the permit.
- Remove the monitoring requirements for all of the abrasive blast equipment that was initially included in the Title V permit, but has subsequently been exempted. (see Permit Evaluation for MFR Permit, Significant Revision)
- Modify the Test Methods section to Correct the MOP Volume III, Method 31 description and remove test methods for applicable regulations and permit conditions that have been deleted from the permit.
- Make minor modifications to the Permit Shield section in accordance with the changes to the Title V that have been previously discussed.
- Exempt from permitting and remove from the Title V permit, S-137, Miscellaneous Paint Booths, per Regulation 2-1-119.3

Title V Operating Permit Renewed

July 22, 2011

Equipment and requirements, including permit conditions, updated.  
Permit Shield updated.

Renewal Date: July 22, 2011

## **XI. GLOSSARY**

### **ACT**

Federal Clean Air Act

### **ATCM**

Airborne Toxic Control Measure. This is California state air toxics regulations program governing emissions of toxic air contaminants

### **BAAQMD**

Bay Area Air Quality Management District

### **BACT**

Best Available Control Technology

### **CAA**

The federal Clean Air Act

### **CAAQS**

California Ambient Air Quality Standards

### **CEQA**

California Environmental Quality Act

### **CFR**

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

### **CO**

Carbon Monoxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **EPA**

The federal Environmental Protection Agency

### **Excluded**

Not subject to any District Regulations.

## **XI. Glossary**

### **Federally Enforceable, FE**

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **FP**

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate

### **HAP**

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

### **Major Facility**

A facility with potential emissions of: at least 100 tons per year of any regulated air pollutant, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

### **MFR**

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPs**

National Emission Standards for Hazardous Air Pollutants. See 40 CFR Part 61.

### **NMHC**

Non-methane Hydrocarbons

### **NO<sub>x</sub>**

Oxides of nitrogen

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

## **XI. Glossary**

### **NSR**

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **Phase II Acid Rain Facility**

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR Part 72 from Titles IV and V of the Clean Air Act.

### **POC**

Precursor Organic Compounds

### **PM**

Total Particulate Matter

### **PM10**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

### **SO2**

Sulfur dioxide

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

## **XI. Glossary**

### **TRMP**

Toxic Risk Management Plan

### **VOC**

Volatile Organic Compounds

#### **Units of Measure:**

bhp	=	brake-horsepower
btu	=	British Thermal Unit
g	=	grams
gr	=	grain
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m <sup>2</sup>	=	square meter
min	=	minute
mm	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year