Bay Area Air Quality Management District

375 Beale Street, Suite 600
San Francisco, CA 94105
(415) 749-5000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

United Airlines, Inc. - 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
Mark Eldred
V.P. of Base Maintenance
(650) 634-4300

Facility Contact
David Weintraub
Environmental Compliance
(650) 634-4572

Type of Facility: Aircraft Maintenance
Primary SIC/NAICS: 4581/488190
Product: Commercial Aircraft Maintenance

BAAQMD Permit Division Contact:
Krishnan Balakrishnan Air Quality Engineer

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Damian Breen for Jack P. Broadbent _____ May 30, 2018
Jack P. Broadbent, Executive Officer/Air Pollution Control Officer 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 5/4/2011);
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 12/6/17);
SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 8/1/16);
BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 12/6/17);
SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 8/1/16);
BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/6/17);
SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 12/4/17);
BAAQMD Regulation 2, Rule 5 – New Source Review of Toxic Air Contaminants
(as amended by the District Board on 12/07/16); and
BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 12/6/17); 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 May 30, 2018 and expires on May 29, 2023. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than November 29, 2022 and no earlier than May 29, 2022. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after May 29, 2023.** If the permit renewal has not been issued by May 29, 2023, 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. (BAAQMD 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. (BAAQMD Regulation 2-6-307; MOP Volume II, Part 3, §4.11)

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. (BAAQMD 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. (BAAQMD Regulation 2-6-409.7;

I. Standard Conditions

MOP Volume II, Part 3, §4.11)

6. This permit does not convey any property rights of any sort, or any exclusive privilege. (BAAQMD 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. (BAAQMD Regulation 1-441, BAAQMD 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. (BAAQMD 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. (BAAQMD 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. (BAAQMD Regulation 2-6-307)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (BAAQMD Regulation 2-6-402 & 409.13, BAAQMD 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. (BAAQMD Regulation 1-440, BAAQMD 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. (BAAQMD Regulation 1-441, BAAQMD 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. (BAAQMD Regulation 2-6-501, MOP Volume II, Part 3, §4.7)

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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. Reports shall be submitted for the following periods: September 1st through February 28th or 29th and March 1st through August 31st, 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 by e-mail to compliance@baaqmd.gov or by postal mail to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V Reports

(BAAQMD 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 1st through February 28th or 29th of each year. The certification shall be submitted by March 31st of each year. The 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 certification should be sent by e-mail to compliance@baaqmd.gov or by postal mail directed to the District's Compliance and Enforcement Division at the address above in Subsection F, and a copy of the certification shall be sent by e-mail to r9.aeo@epa.gov or postal mail to the Environmental Protection Agency at the following address:

Director
Enforcement Division, TRI & Air Section (ENF-2-1)
USEPA Region 9
75 Hawthorne Street
San Francisco, California 94105

(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

I. Standard Conditions

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. (BAAQMD 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. Any exceedance of the maximum allowable capacity for any source is a violation of BAAQMD Regulation 2, Rule 1, Section 301. (BAAQMD Regulation 2-1-301)

K. Accidental Release

This facility is not currently subject to 40 CFR Part 68, Chemical Accident Prevention Provisions.

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 #41	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	Custom	Unknown	N/A
57	Solvent Spray Booth, PV 90112	Unknown	Unknown	N/A
61	Paint Spray Booth, PV 90207, with 3 Electric Drying Ovens	DeVilbiss	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	ST-2000; ST-810	N/A
95	Boiler #8006	B&W	FM	96 MMBTU/hr – Natural Gas
96	Boiler #8007	B&W	FM	96 MMBTU/hr – Natural Gas
105	Solvent Spray Booth, PV 90104	Unknown	Unknown	N/A
112	Solvent Spray Booth, PV 90105	N/A	Unknown	N/A
123	Paint Spray Booth, PV 90213, with Electric Drying Oven	Custom	N/A	N/A
126	Bonding Shop Paint Booth, PV 90132, with associated Electric Drying Oven	Binks; Anest	Unknown	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, with Dry Room	-Binks; Anest	Unknown	N/A
155	Facilities Paint Spray Booth, PV 90219	Binks	Unknown	N/A

II. Equipment

Table II A - Permitted Sources

S-#	Description	Make or Type	Model	Capacity
156	Facilities Paint Spray Booth, PV 90218	Binks	WE-18-10-T-LH	N/A
157	Facilities Paint Spray Booth, PV 90217	Binks	Unknown	N/A
198	Facility-wide Wipe Cleaning Operation	N/A	N/A	N/A
240	Facility-wide Miscellaneous Resin Laminating	N/A	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
284	Oil Cooler Flush Cart PV 12129	Testek	10190	100 gallons
285	Non-Retail Gasoline Dispensing Facility GDF #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
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
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
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
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

II. Equipment

Table II A - Permitted Sources

S-#	Description	Make or Type	Model	Capacity
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
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
400	Facility-wide Non-Booth Aerospace Coating Operations	N/A	N/A	N/A
401	Fuel Quantity Process Units (FQPUs) Repair and Refurbish Station Includes hot plates, electric oven, and ultrasonic bath system Capacity: 42 FQPU/ year	NA	NA	42 FQPU/ year

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
123	3-Stage Dry Filtration System	123	BAAQMD Condition #21946		95% reduction of inorganic HAPs
195	Selective Catalytic Reduction (SCR) w/ Ammonia injection	95	BAAQMD Condition #25429	None	5 ppmvd @ 3% O2 (NOx)
196	Selective Catalytic Reduction (SCR) w/ Ammonia injection	96	BAAQMD Condition #25429	None	5 ppmvd @ 3% O2 (NOx)
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

II. Equipment

Table II B – Abatement Devices

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
321	Donaldson Torit Downflo II w/ HEPA	321	BAAQMD Condition #23504	Pressure differential	99.97% at 3 microns
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. This section also contains provisions that may apply to temporary sources.

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 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 language of SIP requirements is available on the EPA Region 9 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 (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (12/6/17)	N
SIP Regulation 2, Rule 1	General Requirements (8/1/16)	Y
BAAQMD Regulation 2, Rule 2	Permits, New Source Review (12/6/17)	N
SIP Regulation 2, Rule 2	Permits, New Source Review (8/1/16)	Y
BAAQMD Regulation 2, Rule 6	Permits, Major Facility Review (12/6/17)	N
SIP Regulation 2, Rule 6	Permits, Major Facility Review (6/23/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 3	Fees (6/16/10)	N
SIP· Regulation 3	Fees (5/03/84)	Y
BAAQMD Regulation 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP Regulation 2-1-249	Federal Emissions Statement (04/03/95)	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 (6/19/13)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N
SIP· Regulation 6	Particulate Matter and Visible Emissions 09/04/98)	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)	N
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)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	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 5	Organic Compounds – Storage of Organic Liquids (10/18/06)	N
SIP Regulation, Rule 5	Organic Compounds – Storage of Organic Liquids (06/5/03)	Y
BAAQMD Regulation 8, Rule 14	Organic Compounds - Surface Preparation and Coating of Large Appliances and Metal Furniture (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds - Emulsified and Liquid Asphalts (6/1/94)	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 19	Organic Compounds - Surface Preparation and Coating of Miscellaneous Metal Parts and Products (10/16/02)	Y
BAAQMD Regulation 8, Rule 29	Organic Compounds - Aerospace Assembly and Component Coating Operations (12/20/95)	Y
BAAQMD Regulation 8, Rule 32	Organic Compounds - Wood Products Coatings (8/5/09)	N
SIP Regulation 8, Rule 32	Organic Compounds - Wood Products Coatings (12/20/95)	Y

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 45	Organic Compounds - Motor Vehicle and Mobile Equipment Coating Operations (12/3/08)	N
SIP Regulation 8, Rule 45	Organic Compounds - Motor Vehicle and Mobile Equipment Coating Operations (11/3/96)	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 50	Organic Compounds - Polyester Resin Operations (12/2/09)	N
SIP Regulation 8, Rule 50	Organic Compounds - Polyester Resin Operations (12/20/95)	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)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
BAAQMD Regulation 14, Rule 1	Mobile Source Emissions Reduction Measures – Bay Area Commuter Benefits Program (3/19/14)	N
California Code of Regulations, Title 13, Division 3, Chapter 9, Article 5, Section 2450 et seq.	Regulation to Establish a Statewide Portable Equipment Registration Program	N
California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 7.5, Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
California Code of Regulations, Title 17, Section 93101.5	Airborne Toxic Control Measure to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying (10/17/2006)	N
California Code of Regulations, Title 17, Section 93102	Airborne Toxic Control Measure for Chromium Plating and Chromic Acid Anodizing Facilities (10/24/07)	N

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 7.5, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Code of Regulations, Title 17, Division 3, Chapter 1, Subchapter 7.5, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
EPA 40 CFR Part 60, Subpart A	Standards of Performance for New Stationary Sources (NSPS) – General Provisions	Y
EPA 40 CFR Part 61 Subpart M	National Emission Standards for Hazardous Air Pollutants – Asbestos (7/20/04)	Y
EPA 40 CFR Part 63 Subpart GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities (12/08/00)	Y
EPA 40 CFR Part 63 Subpart ZZZZ, 40 CFR Part 63	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (2/27/14)	Y
EPA 40 CFR Part 82	Protection of Stratospheric Ozone (-12/1/16)	Y
EPA Subpart E, 40 CFR 82.106	Containers containing a Class I or Class II substance and products containing or manufactured with a Class I substance (1/19/95)	Y
EPA Subpart E, 40 CFR 82.108	Warning statements (1/19/95)	Y
EPA Subpart E, 40 CFR 82.110	Labels (10/28/14)	Y
EPA Subpart E, 40 CFR 82.112	Modification, removal, or interference with warning statements (10/28/14)	Y
EPA Subpart F, 40 CFR 82.156	Recycling and Emissions Reductions - Required Practices (12/1/16)	Y
EPA Subpart F, 40 CFR 82.161	Recycling and Emissions Reductions - Technician Certification (12/1/16)	Y
EPA Subpart F, 40 CFR 82.166	Recycling and Emissions Reductions - Reporting and Recordkeeping Requirements (12/1/16)	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. 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.. 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
S258: OIL COOLER FLUSH CART
S284: OIL COOLER FLUSH CART
S288, S289, S290: RECYCLING PARTS WASHERS
S330, S331: PARTS CLEANERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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	
BAAQMD Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (10/16/02)**		
8-16-123	Limited Exemption, Specific Cleaning Operations	Y	
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	

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
S258: OIL COOLER FLUSH CART
S284: OIL COOLER FLUSH CART
S288, S289, S290: RECYCLING PARTS WASHERS
S330, S331: PARTS CLEANERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-303.2.1	Solvent shall be Drained from Cleaned Parts	Y	
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)	Y	
8-16-303.4.1	Freeboard Ratio $\geq$ 0.75	Y	
8-16-303.4.5	Enclosed Design	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 60 Month Period	Y	
BAAQMD Regulation 8, Rule 29	**Aerospace Assembly and Component Coating Operations (12/20/95)**		
8-29-304	Solvent Evaporative Loss Minimization	Y	
8-29-304.1	Use closed containers for solvent surface prep and cleanup	Y	
8-29-304.3	Close containers of stripper subject to this Rule, coating, catalyst, thinner, or solvent when not in use	Y	
EPA 40 CFR Part 63 Subpart GG	**National Emission Standards for Aerospace Manufacturing and Rework Facilities (12/08/00)**		
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	
BAAQMD Cond #9044	**Permit Condition for S1, S9, S10, S57, S64, S78, S80, S105, S112, S128, S140**		
Part 1	Annual Solvent Usage Limit [Offsets]	Y	
Part 2	Recordkeeping [Offsets]	Y	
BAAQMD Cond #8016	**Permit Condition for S258**		
Part 1	Net Solvent Usage Limit [Offsets]	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
S258: OIL COOLER FLUSH CART
S284: OIL COOLER FLUSH CART
S288, S289, S290: RECYCLING PARTS WASHERS
S330, S331: PARTS CLEANERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 2	Recordkeeping [Offsets]	Y	
BAAQMD Cond #18250	**Permit Condition for S284**		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Recordkeeping [Cumulative Increase, Regulation 2, Rule 5]	Y	
BAAQMD Cond #18484	**Permit Condition for S288, S289, S290**		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Recordkeeping [Cumulative Increase, Regulation 2, Rule 5]	Y	
BAAQMD Cond #23707	**Permit Condition for S330**		
Part 1	Net Solvent Usage Limit [Cumulative Increase, BACT]	Y	
Part 2	Recordkeeping [Cumulative Increase, Reg. 8-16-501]	Y	
BAAQMD Cond #23737	**Permit Condition for S331**		
Part 1	Net Solvent Usage Limit [Cumulative Increase, BACT]	Y	
Part 2	Recordkeeping [Cumulative Increase, Reg. 8-16-501]	Y	

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
BAAQMD Regulation 11, Rule 8	**Hazardous Pollutants – Hexavalent Chromium Airborne Toxic Control Measure for Chrome Plating and Chromic Acid Anodizing Operations (11/4/98)** – Adoption of Section 93102, Subchapter 7.5, Chapter 1, Division 3, Title 17 of the California Code of Regulations	Y	
CCR, Title 17, Section 93102 – 93102.16	**Airborne Toxic Control Measure for Chromium Plating and Chromic Acid Anodizing Facilities (10/24/2007)**	Y	
93102.4	Requirements for Existing, Modified, and New Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities	Y	
93102.4(b)(1)	Limits that Apply to All Existing Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities after October 24, 2007	Y	
93102.4(b)(2)	Demonstrating Compliance with the Emission Limitation in Table 93102.4	Y	
93102.4(b)(2)(A)(2)	Measurement from centroid of the stack to the property line of the nearest sensitive receptor	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
93102.4(b)(2)(B)	Must use an add-on air pollution control device(s) to control hexavalent chromium	Y	
93102.5	Requirements that Apply to Existing, Modified, and New Hexavalent Chromium Plating and Chromic Acid Anodizing Facilities Beginning October 24, 2007	Y	
93102.5(a)	Removal of Add-on Pollution Control Device(s)	Y	
93102.5(b)	Environmental Compliance Training	Y	
93102.5(c)	Housekeeping Requirements	Y	
93102.7	Performance Test Requirements and Test Methods	Y	
93102.7(a)	Performance Test Requirements	Y	
93102.9	Parameter Monitoring Requirements	Y	
93102.9(a)	Ampere-hours	Y	
93102.9(b)	Pressure drop	Y	
93102.10	Inspection and Maintenance Requirements	Y	
93102.10(a)	Table 93102.10 – Summary of Inspection and Maintenance Requirements	Y	
93102.11	Operation and Maintenance Plant (O & M Plan) Requirements	Y	
93102.11(a)	Prepare the O & M Plan	Y	
93102.11(b)	Retain the O & M Plan	Y	
93102.11(c)	Changes to the O & M Plan	Y	
93102.11(d)	Revisions to the O & M Plan to Address Breakdowns	Y	
93102.12	Recordkeeping Requirements	Y	
93102.12(a)	Inspection records	Y	
93102.12(b)	Performance test records	Y	
93102.12(c)	Monitoring data records	Y	
93102.12(d)	Breakdown records	Y	
93102.12(e)	Records of excesses	Y	
93102.12(g)	Records of annual ampere-hour use	Y	
93102.12(j)	New/modified source review information	Y	
93102.12(k)	Housekeeping records	Y	
93102.12(l)	Records retention	Y	
93102.13	Reporting Requirements	Y	
93102.13(a)	Performance test documentation	Y	
93102.13(c)	Ongoing compliance status reports	Y	
93102.13(d)	Reports of breakdowns	Y	
93102.13(f)	Adjustments to the timeline for submittal and format of reports	Y	
93102.14	Procedure for Establishing Alternative Requirements	Y	
93102.14(a)	Request approval of an Alternative Requirement	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
93102.14(b)	Approval of an Alternative Requirement	Y	
93102.14(c)	Concurrence for an Alternative Requirement	Y	
93102.14(d)	Reports of Approved Alternative Requirements to U.S. EPA and ARB	Y	
93102.14(e)	Approval Criteria	Y	
93102.14(f)	Alternatives Approved by U.S. EPA	Y	
BAAQMD Cond #23542			
Part 1	Performance Standards [93102.4(b)(1), 93102.2(b)]	Y	
Part 2	Abatement [TBACT]	Y	
Part 3	Source Testing [93102.7]	Y	
Part 4	Training [93102.5(b)]	Y	
Part 5	Housekeeping [93102.5(c)]	Y	
Part 6	Monitoring [93102.10(a), 93102.12(c)(1), 93102.9(b)]	Y	
Part 7	Operation & Maintenance (O&M) Plan [93102.11]	Y	
Part 8	Inspection & Maintenance Frequency [93102.10(a) and Reg. 2-5]	Y	
Part 9	Recordkeeping [93102.12]	Y	
Part 10	Reporting [93102.13(a), 93102.13(c)]	Y	

Table IV – C
Source-specific Applicable Requirements
S56: SPRAY CLEANING – PRECLEAN ROOM
S92: AIRCRAFT WASH AREA
S198: WIPE CLEANING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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	
BAAQMD Regulation 8, Rule 16	**Organic Compounds – Solvent Cleaning Operations (10/16/02)**		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-123	Limited Exemption, Specific Cleaning Operations	Y	
8-16-501	Recordkeeping	Y	

IV. Source-specific Applicable Requirements

Table IV – C
Source-specific Applicable Requirements
S56: SPRAY CLEANING – PRECLEAN ROOM
S92: AIRCRAFT WASH AREA
S198: WIPE CLEANING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-16-501.2	Facility-wide Annual Solvent Usage Records	Y	
8-16-501.3	Wipe Cleaning Solvent Usage Records	Y	
8-16-501.5	Records Retained for Previous 60 Month Period	Y	
BAAQMD Regulation 8, Rule 29	**Aerospace Assembly and Component Coating Operations (12/20/95)**		
8-29-304	Solvent Evaporative Loss Minimization	Y	
8-29-304.1	Use closed containers for solvent surface prep and cleanup	Y	
8-29-304.3	Close containers of stripper subject to this Rule, coating, catalyst, thinner, or solvent when not in use	Y	
EPA 40 CFR Part 63 Subpart GG	**National Emission Standards for Aerospace Manufacturing and Rework Facilities (12/7/15)**		
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 - D
Source-specific Applicable Requirements
S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS WITH ASSOCIATED DRYING OVENS
S400: FACILITY-WIDE NON-BOOTH AEROSPACE COATING OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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 - D
Source-specific Applicable Requirements
S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS WITH ASSOCIATED DRYING OVENS
S400: FACILITY-WIDE NON-BOOTH AEROSPACE COATING OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 29	**Organic Compounds – Aerospace Assembly and Component Coating Operations (12/20/95)**		
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	
40 CFR Part 63 Subpart GG	**National Emission Standards for Aerospace Manufacturing and Rework Facilities (12/7/15)**		
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(f)(3)	Application Equipment Exemptions	Y	
63.745(f)(3)(iv)	Airbrush Application Exemption	Y	
63.745(f)(3)(v)	Handheld Spray Gun Application Exemption	Y	
63.745(f)(3)(vi)	Touch-up and Repair Exemption	Y	
63.745(g)	Control of Inorganic HAP Emissions as Particulate (does not apply to S-400)	Y	
63.751	Monitoring Requirements	Y	
63.751(a)	Monitoring of Enclosed Spray Gun Cleaners		
63.751(c)	Monitoring of Particulate Control Equipment (does not apply to S-400)	Y	

IV. Source-specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS WITH ASSOCIATED DRYING OVENS
S400: FACILITY-WIDE NON-BOOTH AEROSPACE COATING OPERATIONS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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 (does not apply to S-400)	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	
BAAQMD Cond #21946	**Permit Condition for S123**		
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	

Table IV - E
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
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-401	Appearance of Emissions	Y	

IV. Source-specific Applicable Requirements

Table IV - E
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
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-304	Liquid and Solid Fuels	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/1999)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Liquid and Solid Fuels	Y	
BAAQMD Cond #16558	**Permit Condition for S87, S88, S89**		
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	
BAAQMD Cond #14315	**Permit Condition for S90**		
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 – F
Source-specific Applicable Requirements
S95, S96: BOILERS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
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	
6-1-601	Particulate Matter Manual of Procedures	N	

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
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
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	
6-1-601	Particulate Matter Manual of Procedures	Y	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)**		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emissions Limitation	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants – Sulfur Dioxide (6/8/99)**		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emissions Limitation	Y	
BAAQMD Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (5/4/11)**		
9-7-115	Limited Exemption, Startup and Shutdown	N	
9-7-307	Final Emission Limits	N	
9-7-307.6	NOx and CO Limits (NOx Limit: 5 ppmv, dry at 3% oxygen; CO Limit: 400 ppmv, dry at 3% oxygen) for boilers > 75 MMBtu/hr	N	
9-7-311	Insulation Requirements	N	
9-7-312	Stack Gas Temperature Limits	N	
9-7-503	Records	N	
9-7-503.4	Source Test Records and Record Retention	N	
9-7-506	Periodic Testing	N	
SIP Regulation 9, Rule 7	**Inorganic Gaseous Pollutants – Nitrogen Oxides and Carbon Monoxide from Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters (12/15/97)**		
9-7-301	Emission Limits – Gaseous Fuels	Y	
9-7-301.1	Performance Standard, NOx	Y	
9-7-301.2	Performance Standard, CO	Y	
9-7-503	Records	Y	
9-7-503.1	Tune-up Records	Y	
9-7-503.2	Natural Gas Curtailment Records	Y	
9-7-503.4	Source Test Records and Record Retention	Y	
40 CFR Part 63, Subpart DDDDD	**National Emission Standards for Hazardous Air Pollutants Industrial, Commercial, and Institutional Boilers and Process Heaters (3/21/11)**		

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
63.7500	Emission limitations, work practice standards, and operating limits	Y	
63.7500(e)	Tune-up requirement for unit designed to burn gas 1 subcategory	Y	
63.7505	General Requirements	Y	
63.7505(a)	Compliance with emission limits, work practice standards, and operating limits	Y	
63.7505(c)	Compliance with emission limits	Y	
63.7530	Initial Compliance Requirements	Y	
63.7530(d)	Notification of Compliance Status	Y	
63.7555	Record Requirements	Y	
63.7555(a)	Records	Y	
63.7555(a)(1)	Notification and Report Records	Y	
Table 3 to Subpart DDDDD	Annual Tune-up Requirements	Y	
BAAQMD Condition #25429			
Part 1	Abatement Requirements [Cumulative Increase]	Y	
Part 2	Exhaust Ammonia Concentration Requirements [Regulation 2-5, Regulation 2-1-403]	Y	
Part 3	Startup and Shutdown Requirements [Regulation 9-7-115]	Y	

Table IV – G
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
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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	
BAAQMD Regulation 8, Rule 14	**Organic Compounds – Surface Coating of Large Appliances and Metal Furniture (10/16/02)**		
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	

IV. Source-specific Applicable Requirements

Table IV – G
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
8-14-320.3	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	
BAAQMD Regulation 8, Rule 19	**Organic Compounds – Surface Coating of Miscellaneous Metal Parts and Products (10/16/02)**		
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	
BAAQMD Regulation 8, Rule 32	**Organic Compounds – Wood Products Coatings (8/5/09)**		
8-32-301	Spray Application Equipment Limitations	N	
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	-N	
8-32-320	Solvent Evaporative Loss Minimization	N	
8-32-320.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	N	
8-32-320.2	Closed Containers for Fresh or Spent Solvent Storage	N	
8-32-320.3	Mixing and Storage Equipment Cleanup Requirements	N	
8-32-320.4	Spray Equipment Cleanup Requirements	N	
8-32-320.5	Closed Containers for Wood Products Coatings and Solvents	N	
8-32-321	Surface Preparation Standards	N	
8-32-501	General Recordkeeping Requirements	N	

IV. Source-specific Applicable Requirements

Table IV – G
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
8-32-501.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	N	
8-32-501.2	Daily Coating and Solvent Usage Records	N	
8-32-501.4	Records Retention	N	
8-32-502	Refinishing, Replacement and Custom Replica Furniture Recordkeeping Requirements	N	
8-32-502.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	N	
8-32-502.2	Monthly Coating and Solvent Usage Records	N	
8-32-502.3	Records Retention	N	
8-32-503	Custom Architectural Millwork and Cabinetry Recordkeeping Requirements	N	
SIP Regulation 8, Rule 32	**Organic Compounds – Wood Products Coatings (12/23/97)**		
8-32-301	Spray Application Equipment Limitations	Y	
8-32-303	General Wood Products Coating VOC Limits	Y	
8-32-304	Furniture, and Custom Architectural Millwork Coating VOC Limits	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	Mixing and Storage Equipment Cleanup Requirements	Y	
8-32-320.4	Closed Containers for Wood Products Coatings and Solvents	Y	
8-32-501	General Recordkeeping Requirements	Y	
8-32-501.1	Maintain Current List of Coatings and Data Necessary to Evaluate Compliance	Y	
8-32-501.2	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 Recordkeeping Requirements	Y	
BAAQMD Regulation 8, Rule 45	**Organic Compounds – Motor Vehicle and Mobile Equipment Coating Operations (12/3/08)**		
8-45-301	Coating VOC Limits	N	
8-45-303	Transfer Efficiency	N	
8-45-303.1	Electrostatic Application; or	N	
8-45-303.2	HVLP Spray; or	N	
8-45-303.3	Other Method Approved in Writing by the APCO	N	
8-45-304	Prohibition of Specification	N	
8-45-308	Surface Preparation and Solvent Loss Minimization	N	
8-45-308.1	Storage and Disposal of Solvent Impregnated Cloth or Paper	N	
8-45-308.2	Closed Containers for Spent or Fresh Organic Solvents	N	

IV. Source-specific Applicable Requirements

Table IV – G
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
8-45-308.3	Spray Equipment Cleanup Requirements	N	
8-45-308.5	Surface Preparation Solvent VOC Limits	N	
8-45-315	HVLP Marking	N	
8-45-316	Particulate Filtration	N	
8-45-317	Most Restrictive VOC Limit	N	
8-45-318	Prohibition of Possession	N	
8-45-501	Records	N	
8-45-501.1	Maintain Data Necessary to Evaluate Compliance	N	
8-45-501.2	Monthly Coating Records	N	
8-45-501.3	Current Material Information	N	
8-45-501.4	Records Retention	N	
SIP Regulation 8, Rule 45	**Organic Compounds – Motor Vehicle and Mobile Equipment Coating Operations (5/26/00)**		
8-45-301	Coating VOC Limits	Y	
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	
8-45-308	Surface Preparation and Solvent Loss Minimization	Y	
8-45-308.4	Surface Preparation Solvent VOC Limits	Y	
8-45-311	Small Production/Utility Bodies - Exclusion	Y	
8-45-312	Specialty Coating Limitations	Y	
8-45-313	Temporary Protective Coating Limitation	Y	
8-45-314	Precoat Limitation	Y	
8-45-316	Particulate Filtration	Y	
8-45-501	Coating Records	Y	
8-45-501.2	Weekly Coating Records	Y	
8-45-501.3	Daily Coating Records	Y	
8-45-501.4	Monthly Coating Records	Y	
8-45-501.5	Records Retention	Y	

Table IV – H
Source-specific Applicable Requirements
S240: FACILITY-WIDE MISCELLANEOUS RESIN LAMINATING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
8-1-320	Storage and Disposal of Solvent Impregnated Cloth or Paper	Y	

IV. Source-specific Applicable Requirements

Table IV – H
Source-specific Applicable Requirements
S240: FACILITY-WIDE MISCELLANEOUS RESIN LAMINATING

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-1-321	Closed Containers for Spent or Fresh Organic Solvents	Y	
BAAQMD Regulation 8, Rule 50	**Organic Compounds – Polyester Resin Operations (10/2/09)**		
8-50-301	Process Material Requirements	N	
8-50-301.4	Closed Mold	N	
8-50-301.5	Vapor Suppressant Requirements	N	
8-50-301.6	Open Mold Requirements	N	
8-50-301.7	Hand-held Application Requirements	N	
8-50-302	Application Requirements	N	
8-50-302.2	Resin Application Requirements	N	
8-50-302.3	Touch-up Requirements	N	
8-50-305	Surface Preparation and Cleaning Products Requirements	N	
8-50-306	Equipment Requirements	N	
8-50-307	Gel Coat Requirement	N	
8-50-308	Prohibition of Specification Requirement	N	
8-50-309	Compliance Statement Requirement	N	
8-50-501	Recordkeeping Requirements	N	
8-50-501.1	Resin List Requirements	N	
8-50-501.2	Resin Content Requirements	N	
8-50-501.3	Vapor Suppressed Resin Requirements	N	
8-50-501.4	Daily Record Requirements	N	
8-50-501.5	Records Retention	N	

Table IV – I
Source-specific Applicable Requirements
S262: ADHESIVE APPLICATION AND STRIPPING OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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	
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)**		
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	

IV. Source-specific Applicable Requirements

Table IV – I
Source-specific Applicable Requirements
S262: ADHESIVE APPLICATION AND STRIPPING OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-4-501.2	Annual Records of Coating Applied and Solvent Used	Y	
8-4-501.4	Records Retention	Y	
BAAQMD Cond #9078	**Permit Condition for S262**		
Part 1	Net Solvent Usage Limit [Cumulative Increase]	Y	
Part 2	Adhesive Usage Limit [Cumulative Increase]	Y	
Part 3	Recordkeeping [Cumulative Increase]	Y	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	**Organic Compounds – Wastewater Collection and Separator Systems (9/15/04)**		
8-8-303	Gauging and Sampling Devices – Vapor Tight Covers	N	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	N	
8-8-305.1	Solid, Gasketed, Fixed Cover	N	
8-8-307	Air Flotation Unit	N	
8-8-307.1	Solid, Gasketed, Fixed Cover	N	
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	N	
8-8-503	Inspection and Repair Records	N	
SIP Regulation 8, Rule 8	**Organic Compounds – Wastewater Collection and Separator Systems (8/29/94)**		
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	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Cond #5696			
Part 1	Enclosed with Solid, Gasketted Cover [Regulation 8-8-307.1]	Y	
Part 2	Maximum Equipment Capacity Limit [Offsets]	Y	
Part 3	Annual Throughput Limit [Offsets]	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 4	Recordkeeping [Recordkeeping]	Y	

Table IV – K
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
BAAQMD Regulation 8, Rule 7	**Organic Compounds, Gasoline Dispensing Facilities (11/6/02)**		
8-7-113	Tank Gauging and Inspection Exemption	Y	
8-7-114	Stationary Tank Testing Exemption	Y	
8-7-116	Periodic Testing Requirements Exemption	Y	
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	Y	
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	Y	
8-7-302.4	Repair Time Limit for Defective Components	Y	
8-7-302.5	Leak-Free and Vapor Tight Requirement for Components	Y	
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	Y	
8-7-302.12	Liquid Retain Limitation	Y	
8-7-302.13	Nozzle Spitting Limitation	Y	

IV. Source-specific Applicable Requirements

Table IV – K
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
8-7-302.14	Annual Back Pressure Test Requirements for Balance Systems	Y	
8-7-302.15	Annual Testing Requirements for Vacuum Assist Systems	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
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	Y	
8-7-408	Periodic Testing Notification and Submission Requirements	Y	
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	Y	
BAAQMD Condition #18349	**Gasoline Throughput Limit (Toxic Risk Management Policy)**	**N**	
BAAQMD Condition #18135		**N**	
Part 1	Phase II Vapor Recovery System (CARB Executive Order G-70-187)	N	
Part 2	Fuel Recordkeeping (Regulation 2-1-403)	N	
Part 3	Leak Free Components (Regulations 8-7-301.6 and 8-7-302.5)	N	
Part 4	Annual Leak/Pressure Test (CARB Executive Order G-70-187)	N	
Part 5	Test Notification (Regulation 8-7-408)	N	
Part 6	Coaxial Hose Length (CARB Executive Order G-70-187)	N	
Part 7	Fuel Dispensing Rate (CARB Executive Order G-70-187)	N	
Part 8	CARB-Approved System Monitor (CARB Executive Order G-70-187)	N	
Part 9	Vacuum Operating Levels (CARB Executive Order G-70-187)	N	
Part 10	OSHA Access Required (Regulation 2 - 1-403)	N	
Part 11	Open Ball Valve Required (CARB Executive Order G-70-187)	N	
Part 12	Maintenance Requirement (CARB Executive Order G-70-187)	N	
Part 13	Fuel Dispensing Limitation (CARB Executive Order G-70-187)	N	
Part 14	Equipment Painting (Regulation 2-1-403)	N	
BAAQMD Condition #25723		**N**	
Part 1	Phase I Vapor Recovery System	N	

IV. Source-specific Applicable Requirements

Table IV – K
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
Part 2	Standing Loss Control Requirements	N	
Part 3	Static Pressure Performance Test	N	
Executive Order G-70-187	**CARB Executive Order G-70-187: Healy Model 400 ORVR System for Aboveground Tanks**	**N**	
Executive Order VR-402-A	**CARB Executive Order VR-402-A: Morrison Bros. Phase I Enhanced Vapor Recovery (EVR) System for Protected Aboveground Storage Tanks (AST)**	**N**	
Executive Order VR-301-A	**CARB Executive Order VR-301-A: Standing Loss Control Vapor Recovery System for Existing Installations of Aboveground Storage Tanks**	**N**	

Table IV – L
Source-specific Applicable Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
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	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
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	
BAAQMD Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)**		
9-1-301	Limitations on Ground Level Concentrations:	N	
9-1-302	General Emission Limitation	N	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	N	
SIP Regulation 9, Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (6/8/99)**		

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-1-301	Limitations on Ground Level Concentrations:	Y	
9-1-302	General Emission Limitation	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
9-8-110.5	Exemptions: Emergency Standby Engines	N	
9-8-330.1	Emergency Standby Engines, Hours of Operation – Unlimited for Emergencies	N	
9-8-330.3	Emergency Standby Engines, Hours of Operation – 50 hrs limit	N	
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	
40 CFR Part 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (2/27/14) for S295, S296, S297, S300, S301, S326, S333**		
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	
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	
63.6602	Emission limitations for existing stationary RICE < 500 bhp located at major source of HAP emissions	Y	
63.6625(f)	Installation of non-resettable hour meter	Y	
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	
63.6655	What Records must I keep?		
63.6655(f)	Hours of operation	Y	
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	
Table 2c 1.b.	Schedule for air cleaner inspection	Y	
Table 2c 1.c.	Schedule for hose and belt inspection	Y	
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	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (5/19/2011) Applicable to S295, S296, S297, S300, S301**		

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	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)(1)	Operating restrictions for rotating outages	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)(a)	Operating for maintenance and testing limited to 20 hrs/year when PM emitted at a rate >0.40 g/bhp-hr, excluding operating for emergency use and emissions testing	N	
93115.10	Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Install non-resettable hour meter with minimum display capability of 9,999 hours	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Cond #22820	**Permit Condition for S295, S296, S297, S300, S301**		
Part 1	Reliability-related testing limit (BAAQMD Regulation 2-5, Title 17, CCR, Section 93115.6(b)(3)(A)(1)(a))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330, Title 17, CCR, Section 93115.6(b)(3)(A)(1)(a))	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, Title 17, CCR, Section 93115.10(d)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and Title 17, CCR, Section 93115.10(f))	N	
40 CFR Part 60 Subpart A	**Standards of Performance for New Stationary Sources – General Provisions (12/22/08) (S333 only)**		
60.4	Address	Y	
60.4(a)	Required submissions to Administrator	Y	
60.7	Notification and Record-keeping	Y	
60.7(b)	Maintain records of occurrence and duration of startup, shutdown, or malfunction	Y	
60.12	Circumvention	Y	
60.14	Modification	Y	
60.15	Reconstruction	Y	
60.19	General Notification and Reporting Requirements	Y	

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
40 CFR Part 60 Subpart IIII	**Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (8/29/11) (S333 only)**		
60.4200	Applicability	Y	
60.4200(a)	Owners and operators of stationary CI ICE	Y	
60.4200(a)(2)	Owners and operators of stationary CI ICE that commence construction after July 11, 2005, and CI ICE are manufactured after April 1, 2006, and are not fire pump engines	Y	
60.4200(a)(4)	60.4208 applies if CI ICE commenced construction after July 11, 2005	Y	
60.4205	Emissions Standards	Y	
60.4205(b)	2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with standards for new nonroad CI engines in 60.4202 (40 CFR 89.112-113)	Y	
60.4206	Comply with emissions standards over life of engine	Y	
60.4207	Fuel Requirements	Y	
60.4207(b)	Diesel fuel must meet requirements of 40 CFR 80.510(b) for nonroad fuel	Y	
60.4209	Monitoring Requirements	Y	
60.4209(a)	Non-resettable hour meter	Y	
60.4211	Compliance Requirements	Y	
60.4211(a)	Compliance requirements for owners and operators that must comply with emissions standards	Y	
60.4211(a)(1)	Operate and maintain the engine according to manufacturer's emission-related instructions	Y	
60.4211(a)(2)	Change only emission-related settings allowed by manufacturer	Y	
60.4211(c)	Purchase certified engine and install and configure according to manufacturer's emission-related specifications	Y	
60.4211(f)	Comply with operating hours limitations	Y	
60.4211(f)(1)	No limit on use of emergency stationary engine in emergency situations	Y	
60.4211(f)(2)	Operate for specified purposes for max of 100 hours per calendar year	Y	
60.4211(f)(2)(i)	Operate for maintenance checks and readiness testing recommended by federal, state, or local governments, manufacture, or vendor	Y	
60.4211(f)(3)	Operate for up to 50 hours per calendar year in non-emergency situations (counts toward 100 hour requirement in 60.4211(f)(2))	Y	
60.4214	Notification, Reporting, and Record-keeping Requirements	Y	
60.4214(b)	Not required to submit initial notification	Y	
60.4218	Applicability of the General Provisions (40 CFR Part 60 Subpart A)	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (5/19/2011) Applicable to S326 and S333**		
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 new 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	

IV. Source-specific Applicable Requirements

Table IV – L
Source-specific Applicable Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.6(a)	New Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(a)(2)	Operating restrictions for rotating outages	N	
93115.6(a)(3)	Emission and operation standards	N	
93115.6(a)(3)(A)	Emissions Standards and Hours of Operating Requirements	N	
93115.6(a)(3)(A)(1)	Applicable operating requirements and emission standards	N	
93115.6(a)(3)(A)(1)(a)	Emissions standards for new engines	N	
93115.6(a)(3)(A)(1)(b)	Emissions standards for new engines (S333 only)	N	
93115.6(a)(3)(A)(1)(c)	Operating Requirements	N	
93115.10	ATCM for Stationary CI Engines – Recordkeeping, Reporting, and Monitoring Requirements	N	
93115.10(d)	Monitoring Equipment	N	
93115.10(d)(1)	Install non-resettable hour meter with minimum display capability of 9,999 hours	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Cond #22850	**Permit Condition for S326, S333**		
Part 1	Reliability-related testing limit (BAAQMD Regulation 2-5, Title 17, CCR, Section 93115.6(a)(3)(A)(1)(c))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330, Title 17, CCR, Section 93115.6(a)(3)(A)(1)(a))	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, Title 17, CCR, Section 93115.10(d)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and Title 17, Section 93115.10(f))	N	

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6 Rule 1	**Particulate Matter, General Requirements (12/5/2007)**		
6-1-303.1	Ringelmann No. 2 Limitation	N	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (09/04/1998)**		
6-303.1	Ringelmann No. 2 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (3/15/1995)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	N	
SIP Regulation 9 Rule 1	**Inorganic Gaseous Pollutants, Sulfur Dioxide Emissions Limitations (6/8/1999)**		
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9 Rule 8	**Inorganic Gaseous Pollutants, NOX and CO from Stationary IC Engines (07/25/2007)**		
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	
9-8-330.3	Emergency Standby Engines, Hours of Operation – 50 hrs limit	N	
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	
40 CFR Part 63 Subpart ZZZZ	**National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (2/27/14)**		
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	
63.6640(f)(1)(i)	No time limit on use during emergency situations	Y	
63.6640(f)(1)(ii)	Maintenance checks and readiness testing annual hour limit	Y	
63.6640(f)(1)(iii)	Non-emergency operation annual hour limit	Y	
63.6602	Emission limitations for existing stationary RICE < 500 bhp located at major source of HAP emissions	Y	
63.6625(f)	Installation of non-resettable hour meter	Y	
63.6625(h)	Minimize engine idle time, not to exceed 30 minutes	Y	

IV. Source-specific Applicable Requirements

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

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6655	What Records must I keep?		
63.6655(f)	Hours of operation	Y	
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	
Table 2c 1.b.	Schedule for air cleaner inspection	Y	
Table 2c 1.c.	Schedule for hose and belt inspection	Y	
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	
63.6640(f)	Requirements for emergency stationary RICE	Y	
CCR, Title 17, Section 93115	**ATCM for Stationary Compression Ignition Engines (5/19/2011)**		
93115.3(n)	Exemption from 93115.6(b)(3) for in-use NFPA applicable engines.	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 (>50 bhp)	N	
93115.5(b)	Fuel requirements for in-use emergency standby stationary diesel-fueled CI engines	N	
93115.6(b)(1)	Operating restrictions for rotating outages	N	
93115.10(d)(1)	Install non-resettable hour meter with minimum display capability of 9,999 hours	N	
93115.10(f)	Reporting Requirements for Emergency Standby Engines	N	
93115.15	Severability	N	
BAAQMD Cond #22851	**Permit Condition for S304, S305, S306, S307, S308, S309, S310, S311, S312, S313, S314**		
Part 1	Reliability-related testing limit "Stationary Diesel Engine ATCM" Title 17, CCR, Section 93115.3(n))	N	
Part 2	Emergency standby engine operations (BAAQMD Regulation 9-8-330)	N	
Part 3	Emergency standby engine non-resettable totalizing meter requirements (BAAQMD Regulation 9-8-530, "Stationary Diesel Engine ATCM" Title 17, CCR, Section 93115.10(d)(1))	N	
Part 4	Emergency standby engine recordkeeping (BAAQMD Regulation 9-8-530, 2-6-501, and "Stationary Diesel Engine ATCM" Title 17, CCR, Section 93115.10(f))	N	

IV. Source-specific Applicable Requirements

Table IV – N
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
BAAQMD Regulation 6, Rule 1	**Particulate Matter, General Requirements (12/5/07)**		
6-1-301	Ringelmann #1 Limitation	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	**Particulate Matter and Visible Emissions (9/4/98)**		
6-301	Ringelmann #1 Limitation	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
CCR, Title 17, Section 93101.5	**ATCM to Reduce Emissions of Hexavalent Chromium and Nickel from Thermal Spraying (10/17/2006)**	**N**	
93101.5(c)(1)(A)	Control Efficiency Requirements for Existing Thermal Spray Operations	N	
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 (f)	Recordkeeping Requirements	N	
93101.5 (g)	Reporting Requirements	N	
BAAQMD Cond #23504	**Permit Condition for S316, 317, 318, 319, 320, 321, 322, and 323**		
Part 1	Usage Limit [Cumulative Increase, Regulation 2, Rule 5]	N	
Part 2	Abatement [Regulation 2, Rule 5, Title 17, CCR, Section 93101.5(c)(1)(A),]	N	
Part 3	Emission Rate Limit [Title 17, CCR, Section 93101.5(c)(1)(A)(2)]	N	
Part 4	Equipment and operating Standards [Regulation 2-1-412, Title 17, CCR, Section 93101.5(c)(1)(B)]	N	
Part 5	Equipment Standards [Title 17, CCR, Section 93101.5(c)(1)(C)]	N	
Part 6	Monitoring Standards [Title 17, CCR, Section 93101.5(e)(1) & (e)(2)]	N	
Part 7	Recordkeeping [Title 17, CCR, Section 93102.5(e)(1) Table (3)]	N	
Part 8	Recordkeeping [Regulation 2-1-403, Title 17, CCR, Section 93101.5(f)]	N	

IV. Source-specific Applicable Requirements

Table IV –O
Source-specific Applicable Requirements
S401: Fuel Quantity Process Units (FQPUs) Repair and Refurbish Station
Includes hot plates, electric oven, and ultrasonic bath system
Capacity: 42 FQPU/ year

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 1	**Organic Compounds – General Provisions (6/15/94)**		
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	
BAAQMD Regulation 8, Rule 4	**Organic Compounds – General Solvent and Surface Coating Operations (10/16/02)**		
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	
BAAQMD Regulation 8, Rule 29	**Aerospace Assembly and Component Coating Operations (12/20/95)**		
8-29-304	Solvent Evaporative Loss Minimization	Y	
8-29-304.1	Use closed containers for solvent surface prep and cleanup	Y	
BAAQMD Cond #26311	**Permit Condition for S401**		
Part 1	Net Materials Usage Limits [Cumulative Increase]	Y	
Part 2	Alternate Materials Usage Limit [Cumulative Increase]	Y	
Part 3	Recordkeeping [Cumulative Increase]	Y	

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.

Since the permit holder has been deemed to be in compliance with all applicable requirements at the time of this review, no Schedule of Compliance is necessary.

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 gasketted 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.

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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

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Engine Model:	Test Mode:	NOx Emission Factor:
	Take Off	232.55
PW2000	Idle	29.78
	Approach	75.15
	Climb Out	193.56
	Take Off	243.19
F117	Idle	29.78
	Approach	75.15
	Climb Out	193.56
	Take Off	243.19

If an engine model other than the ones listed above is to be tested at S-90, United shall keep records to demonstrate compliance with the fuel and NOx emission limits specified in this condition using industry standard emission factors. For each engine tested, United shall maintain records to include engine model details, and quantity of fuel consumed. The owner/operator shall notify the District's Compliance & Enforcement staff at least fifteen (15) days prior to conducting any testing involving an engine model other than the ones listed above.

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.

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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 #18135 for Source 285 (Gas Station)

1. The Healy 400 ORVR Aboveground Tank Phase II Vapor Recovery System, including all associated underground plumbing, shall be operated and maintained in accordance with the California Air Resources Board (CARB) Executive Order G-70-187. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board. (basis: CARB Executive Order G-70-187)

2. The owner/operator of the facility shall maintain records of the following items. All records shall be maintained on site and made available for inspection for a period of 5 years from the date that the record was made. (basis: Regulation 2-1-403)

   a. Date and time of Phase I fuel deliveries
   b. Records of daily equipment inspections and fuel deliveries
   c. Records of system monitor alarm events and corrective action taken
   d. Monthly amount of gasoline dispensed, summarized on an annual basis
   e. Operation records of the automatic system monitor required by CARB Executive Order G-70-187

3. All applicable components shall be maintained to be leak free and vapor tight. Leak Free, as per BAAQMD (District) Regulation 8-7-203, is a liquid leak of no

VI. Permit Conditions

greater than three drops per minute. Vapor Tight as defined in District Manual of Procedures, Volume IV, ST-30. (basis: Regulations 8-7-301.6 and 8-7-302.5)

4. The Static Pressure Performance Test (Leak Test) ST-38, Vapor Return Line Integrity Test (CARB Executive Order G-70-187 Exhibit 4) and Vapor Pressure Regulation Test (G-70-187 Exhibit 5) shall be successfully conducted at least once in each twelve consecutive month period after the date of successful completion of the startup Tests. (basis: Regulations 8-7-301.13 and 8-7-302.14 and CARB Executive Order G-70-187)

5. The applicant shall notify Source Test by email at 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 fifteen (15) days of testing. Start-up tests 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), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109). (basis: Regulation 8-7-408)

6. The maximum length of the coaxial hose shall be thirteen (13) feet, and the maximum allowable length of hose which may be in contact with the top of the island block, or ground, shall be six (6) inches. (basis: CARB Executive Order G-70-187)

7. The dispensing rate shall not exceed ten (10.0) gallons per minute (gpm). Compliance with this condition shall be verified with only one nozzle in operation per product supply pump. (basis: CARB Executive Order G-70-187)

8. The Healy 400 ORVR System shall be equipped with a CARB-approved system monitor pursuant to CARB Executive Order G-70-187. The system monitor shall be powered at all times. (basis: CARB Executive Order G-70-187)

9. The Healy 400 ORVR System shall operate at a vacuum level between 65 inches and 85 inches of water column. Vacuum levels during dispensing shall be maintained within the ranges specified in CARB Executive Order G-70-187. (basis: CARB Executive Order G-70-187)

10. OSHA acceptable access to the central vacuum pump shall be provided

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immediately upon request by a District inspector. (basis: Regulation 2-1-403)

11. The ball valve in the vapor return line shall remain open at all times except when a Vacuum Return Line Integrity Test is being conducted. (basis: CARB Executive Order G-70-187)

12. The Healy 400 ORVR Phase II system shall be maintained in accordance with the System Operating Manual approved by CARB. (basis: CARB Executive Order G-70-187)

13. No dispensing shall be allowed when the vapor collection pump is disabled for maintenance or for any other reason. Only those nozzles affected by the disabled vapor collection pump are subject to this condition. (basis: CARB Executive Order G-70-187)

14. The tank, vent pipes, fill and vapor and manhole tops, and other tank equipment shall be painted white or off-white, provided the reflectivity of the paint pursuant to the "Master Pallet Notation" is at least 75%. Manhole covers which are color coded for product identification are exempted from this requirement. (basis: Regulation 2-1-403)

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 #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 #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]

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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 and take corrective action if the pressure drop across A-123 filter system is outside the limit(s) specified by the filter manufacturer 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 and maintain a differential pressure gauge across A-123 filter system.
   c. Continuously monitor the pressure differential across A-123 filter system.
   d. Record the pressure drop across A-123 filter system 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.
   f. Retain documentation issued by the filter manufacturer that clearly specifies the filter manufacturer recommended pressure drop limits across the A-123 filter system and make it available for inspection by District staff upon request.

   [Basis: 40 CFR 63.745(g)(2)(iv), Regulation 2-1-403]

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

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. Basis: Title 17, California Code of Regulations, section 93115.6(b)(3)(A)(1)(a), ATCM for Stationary CI Engines]

2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to

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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: Title 17, California Code of Regulations, section 93115.6(b)(3)(A)(1)(a), ATCM for Stationary CI Engines]

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: Title 17, California Code of Regulations, section 93115.10(d)(1), ATCM for Stationary CI Engines]
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: Title 17, California Code of Regulations, section 93115.10(f), ATCM for Stationary CI Engines]
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

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include unimproved school property. [Basis: CCR, Title 17, Section 93115.6(b)(2)]

***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: Title 17, California Code of Regulations, section 93115.6(a)(3)(A)(1)(c), ATCM for Stationary CI Engines]
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: Title 17, California Code of Regulations, section 93115.6(a)(3)(A)(1)(a), ATCM for Stationary CI Engines]
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: Title 17, California Code of Regulations, section 93115.10(d)(1), ATCM for Stationary CI Engines]
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: Title 17, California Code of Regulations, section 93115.10(f), ATCM for Stationary CI Engines]
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

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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, athletic field, or other areas of school property but does not include unimproved school property. [Basis: Section 93115.6(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" Title 17, CA Code of Regulations, section 93115.3(n)]
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: "Stationary Diesel Engine ATCM"

   Title 17, CA Code of Regulations, section 93115.10(d)(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.

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c. Hours of operation (emergency).
d. For each emergency, the nature of the emergency condition.
e. Fuel usage for each engine(s).

[Basis: Regulation 2-6-501, "Stationary Diesel Engine ATCM" Title 17, CA Code of Regulations, section 93115.10(f)

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: Section 93115.6(

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, Regulation 2, Rule 5]
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), Regulation 2, Rule 5]
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:

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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.

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

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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 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.

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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)]
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(a)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,

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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 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

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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)]

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

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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.
   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

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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 #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]

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

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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 net solvent usage.

Condition # 25429 for Sources 95, 96 (Boilers)

1. The owner/operator of S-95 and S-96 shall, abate nitrogen oxides (NOx) emissions from the boilers with A-195 (Selective Catalytic Reduction w/ Ammonia Injection) and A-196 (Selective Catalytic Reduction w/ Ammonia Injection), respectively, during all periods of operation, except as allowed under Part 3. [Basis: Cumulative Increase, Regulation 9-7-112]
2. The owner/operator shall not operate S-95 or S-96 such that the ammonia concentration in the exhaust exceeds 10 ppmvd corrected to 3% oxygen. [Basis: Regulation 2-5, Regulation 2-1-403]
3. The owner/operator of S-95 and S-96 shall not be subject to the emission standards in District Regulation 9-7-307.6 during startup and shutdown period provided that all of the following conditions are met:
   a. Each startup and shutdown period shall not exceed four hours.
   b. All emission control systems shall be in operation and emissions shall be minimized, to the extent possible, during startup and shutdown periods. [Basis: Regulation 9 - 7-115]

~~4. (A/C startup source test condition deleted.)~~

Condition # 25723 for Source 285 (Gasoline Dispensing Facility)

1. The Morrison Brothers EVR Phase I Vapor Recovery system, including all associated plumbing and components, shall be operated and maintained in accordance with the most recent version of California Air Resources Board (CARB) Executive Order VR-402. Section 41954(f) of the California Health and Safety Code prohibits the sale, offering for sale, or installation of any vapor control system unless the system has been certified by the state board.
2. The Morrison Brothers EVR Phase I Vapor Recovery System shall only be installed on tanks meeting the Standing Loss Control requirements of CARB Executive Orders VR-301 or VR-302.
3. The owner or operator shall conduct and pass a Static Pressure Performance Test (CARB Test Procedure TP 201.1B) at least once in each 12-month

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period. Measured leak rates of each component shall not exceed the levels specified in VR- 402.

The applicant shall notify Source Test by email at 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 fifteen (15) days of testing. Start-up tests 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 gfdfresults@baaqmd.gov), FAX (510) 758-3087) or mail (BAAQMD Source Test Section, Attention Hiroshi Doi, 939 Ellis Street, San Francisco CA 94109).

Condition #26311 for Source 401 (Fuel Quantity Process Units (FQPUs) Repair and Refurbish Station
Includes hot plates, electric oven, and ultrasonic bath system
Capacity: 42 FQPU/ year)

1. The owner/operator of S-401 shall not exceed the following materials usage limits in any consecutive 12-month period.

HumiSeal Thinner 503 (Solvent)	-	10 gallons
Kester 1544 (Flux)	-	3 gallons
Proclean MCC Pro (Solvent)	-	10 gallons
HumiSeal 1B31 (Coating)	-3 gallons	
Polybond Avigel 100 (Coating)	-	1 gallon
Henkel Loctite 222 (Coating)	-	1 gallon

(Basis: Cumulative Increase)

2. The owner/operator may use solvents, flux and coatings other than the materials specified in Part 1 and/or in quantities in excess of those specified in Part 1, if the owner/operator demonstrates that all of the following requirements are satisfied:

a. Total POC emissions from S-401 will not exceed 171 pounds in any consecutive 12-month period.

b. The use of these materials does not increase toxic emissions above any risk screening trigger level listed in Table 2-5-1 of Regulation 2, Rule 5.

(Basis: Cumulative Increase, Regulation 2-5)

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3. To determine compliance with the above parts, the owner/operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above parts, including the following information:
   a. Quantities of each type of solvent, flux, and coating used at S-401 on a monthly basis.

   b. POC content and density of each type of solvent, flux, and coating used at S-401.

   c. If a material other than that specified in Part 1 is used, POC and toxic component contents of each material used; and mass emission calculations to demonstrate compliance with Part 2, on a monthly basis;

   d. Monthly usage and/or emission calculations shall be totaled for each consecutive twelve-month period.

   All records shall be retained on-site for a 60-month period, from the date of entry, and shall be made available for inspection by District staff upon request. These recordkeeping requirements shall not replace the recordkeeping requirements contained in any applicable District Regulations.
(Basis: Cumulative Increase, Regulation 2-5, Regulation 8-4-501)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included 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 column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown ~~either~~ using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), 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
S258: OIL COOLER FLUSH CART
S284: OIL COOLER FLUSH CART
S288, S289, S290: RECYCLING PARTS WASHERS
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
S258: OIL COOLER FLUSH CART
S284: OIL COOLER FLUSH CART
S288, S289, S290: RECYCLING PARTS WASHERS
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 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	Y	A	≤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	Y		60 million amp-hrs/yr (combined usage)	BAAQMD Regulation 11-8, Section 93102.9(a) Condition #23542, Part 6a, Part 9(b)(i), Section 93102.12(c)(1)	C	Recording Amp-hr Meters
Pressure Drop	BAAQMD Regulation 11-8, Section 93102 93102.9(b), 93102.9(b)(ii) Condition #23542, Parts 6b and 6c	Y		Acceptable differential pressure range across each abatement device: (in. H2O) 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 93102.12(c)(2) 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
S56: SPRAY CLEANING – PRECLEAN ROOM
S92: AIRCRAFT WASH AREA
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 – D
Applicable Limits and Compliance Monitoring Requirements
S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS WITH ASSOCIATED DRYING OVENS
S400: FACILITY-WIDE NON-BOOTH AEROSPACE COATING OPERATIONS

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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S61, S123, S126, S146: AEROSPACE PAINT SPRAY BOOTHS WITH ASSOCIATED DRYING OVENS
S400: FACILITY-WIDE NON-BOOTH AEROSPACE COATING OPERATIONS

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 8-29-302.9	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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
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	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
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	P	Vendor Certification or BAAQMD-approved laboratory analysis
SO2	SIP 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	SIP Regulation 9-1-501	N (unless requested by APCO)	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
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
Sulfur content	SIP Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5%	BAAQMD Condition #16558, Part 1, 3 BAAQMD Condition #14315, Part 4	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	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
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 – 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

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	SIP Regulation 9-7-301.1	Y		Gaseous Fuel: 30 ppmv @ 3% O2 (dry)	None	N	
NOx	BAAQMD Regulation 9-7-307.6	Y		Gaseous Fuel: 5 ppmv @ 3% O2 (dry)	BAAQMD Regulation 9-7-506	P/A	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	SIP 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	SIP 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
SO2	SIP Regulation 9-1-302	Y		300 ppm (dry) general emission limitation	None	N	N/A
CO	BAAQMD Regulation 9-7-307.6	N		Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	BAAQMD Regulation 9-7-506	P	N/A
CO	SIP Regulation 9-7-302.2	Y		Gaseous Fuel: 400 ppmv @ 3% O2 (dry)	None	N	N/A
Ammonia	BAAQMD Condition #25429 Part 1	Y		10 ppmv @ 3%O2 (dry)			

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
Tune-Up	Table 3 to 40 CFR Part 63, Subpart DDDDD	Y		Tune-up as a work practice for all regulated pollutants under 40 CFR Part 63, Subpart DDDDD	40 CFR 63.7540	P/A	N/A

Table VII – G
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 8-14-302.2	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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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	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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – G
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		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	SIP 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)	SIP Regulation 8-45-501	P/W	Recordkeeping
Usage	SIP Regulation 8-45-314	Y		Precoat usage: 25% of waterborne primer sealer	SIP Regulation 8-45-501	P/M	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 - H
Applicable Limits and Compliance Monitoring Requirements
S240: FACILITY-WIDE MISCELLANEOUS RESIN LAMINATING

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 8-50-301.5	N		≤50 g/m^2 of exposed surface area	BAAQMD Regulation 8-50-501	P/M	Recordkeeping
Material type	BAAQMD Regulation 8-50-301.6	N		Monomer Content: Various	BAAQMD Regulation 8-50-501	P/M	Recordkeeping
VOC	BAAQMD Regulation 8-50-305.4	N		Cleaning products: ≤25 g/L	BAAQMD Regulation 8-50-501	P/M	Recordkeeping
VOC	BAAQMD Regulation 8-50-307	N		Gel Coat: ≤250 g/L applied	BAAQMD Regulation 8-50-501	P/M	Recordkeeping

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
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

Table VII – K
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 Com-pounds	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 Com-pounds	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – K
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
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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

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 9-1-301	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
Fuel Sulfur Content	BAAQMD 9-1-304	Y		≤ 0.5% by weight	None	P/E	Vendor fuel certification or BAAQMD-approved laboratory analysis
SO2	SIP 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	SIP Regulation 9-1-501	N (unless requested by APCO)	N/A
SO2	SIP Regulation 9-1-302	Y		300 ppm (dry) general emission limitation	None	N	N/A
Sulfur limit	SIP Regulation 9-1-304	Y		Fuel Sulfur Limit 0.5% (liquid fuels)	None	P/E	Vendor fuel certification or BAAQMD-approved laboratory analysis
Hours of Operation	BAAQMD 9-8-330.3	N		≤ 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
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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

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 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	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	93115.6(b)(3)(A)(1)(a)	N		≤ 20 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(d)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(f)	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)(c)	N		≤ 50 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(d)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(f)	P/M	Records
Opacity for S333	40 CFR 60.4205(b)	Y		Acceleration mode ≤20%, Lugging mode ≤15%, Peaks in either mode ≤50%	None	N	N/A
PM for S333	40 CFR 60.4205(b)	Y		0.15 g/kW-hr	None	N	N/A
NMHC + HC for S333	40 CFR 60.4205(b)	Y		4.8 g/hp-hr	None	N	N/A
CO for S333	40 CFR 60.4205(b)	Y		2.6 g/hp-hr	None	N	N/A

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - L
Applicable Limits and Compliance Monitoring Requirements
S295, S296, S297, S300, S301, S326, S333: EMERGENCY STANDBY ENGINES (DIESEL)

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 and Other Limits for S333	40 CFR 60.4207(b)	Y		≤15 ppm sulfur content and cetane index≥ 40 or aromatic content ≤35% by volume (for fuel sold after 6/1/10)	None	N	N/A
Operating Hours for S333	40 CFR 60.4211(f)(2)	Y		≤ 100 hours each per year for maintenance checks and readiness testing	40 CFR 60.4209(a)	C	Non-resettable meter for hours of operation
Hours of Operation	40 CFR 63.6640(f)(1)(ii)	Y		≤ 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		≤ 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		≤ 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		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		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		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 - M
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		≤ 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.(3)(n)	N		≤ 34 hours/year for reliability-related activities	CCR, Title 17, Section 93115.10(d)(1)	C	Totalizing meter for hours of operation
					CCR, Title 17, Section 93115.10(f)	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

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - M
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
					Condition 22851, Part 4	P/M	Records
Hours of Operation	40 CFR 63.6640(f)(1)(ii)	Y		≤ 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		≤ 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		≤ 30 minutes	None	N	N/A
Schedule for oil and filter change	Table 2c 1.a. to 40 CFR Part 63 Subpart ZZZZ	Y		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		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		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
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
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

Table VII – O
Applicable Limits and Compliance Monitoring Requirements
S401: Fuel Quantity Process Units (FQPUs) Repair and Refurbish Station
Includes hot plates, electric oven, and ultrasonic bath system
Capacity: 42 FQPU/ year

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 S401	BAAQMD Condition #26311, Parts 1, 2	Y		10 gallons/yr HumiSeal Thinner 503 solvent; 3 gallons/yr Kester 1544 flux; 10 gallons/yr Proclean MCC Pro solvent; 3 gallons/yr HumiSeal 1831 coating; 1 gallon/yr Polybond Avigel 100 coating; 1 gallon/yr Henkel Loctite 222 coating	BAAQMD Condition #26311, Part 3	P/M	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

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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.

VIII. Test Methods

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
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. #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)	SO2 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
S-1, 9, 10, 57, 64, 78, 80, 105, 112, 128, 140	Solvent Cleaning Operations	BAAQMD Reg 8-16-303.5	Reg 8-16-123 Limited Exemption, Specific Cleaning Operations: These sources involve the cleaning of aerospace components.
S-87, 88, 89, 90	APU Test Cells and Engine Test Cells	BAAQMD Reg 9-9 – Inorganic Gaseous Pollutants - Nitrogen Oxides from Stationary Gas Turbines	Reg 9-9-111.1; Exemption, General; Testing of aircraft gas turbine engines for flight certification.
95, 96	Boilers	BAAQMD Reg 8-2-301 – Standards; Miscellaneous Operations	Reg 8-2-110 – Exemption, Natural Gas; Natural gas is the only fuel used.
		40 CFR 60, Subpart Db (NSPS) – Standards of Performance for Industrial - Commercial-Institutional Steam Generating Units	40 CFR 60.40b(a): Sources were constructed before the applicability date of 6/16/84 and heat input is less than applicable thresholds (between 100 to 250 MMBtu/hr).

IX. Permit Shield

Source #	Source Description	Requirements Not Applicable	Basis
		40 CFR 60, Subpart Dc (NSPS) – Standards of Performance for Small Industrial - Commercial - Institutional Steam Generating Units	40 CFR 60.40c(a): Sources were constructed before the applicability date of 6/9/89.
		40 CFR 63, Subpart DDDDD – NESHAP for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters – Emissions. Boilers S-95 and S-96 are not subject to the emission limits in Tables 1 and 2 or 11 through 13, or the operating limits in Table 4 of 40 CFR 63, Subpart DDDDD. 40 CFR 63.7500.	40 CFR 63, Subpart DDDDD. 40 CFR 63.7500. Boilers S-96 and S-96 combust only natural gas. Under this Subpart, boilers that combust only natural gas are considered "Gas 1" units, which are not subject to the emission limits in Tables 1 and 2 or 11 through 13, or the operating limits in Table 4 of 40 CFR 63, Subpart DDDDD.
155, 156, 157	Non-Aerospace Paint Booths	40 CFR Part 63 Subpart GG	40 CFR 63.741(c), (f), Applicability: No aerospace components are processed at these sources.
		BAAQMD Regulation 8-29	Spray Booths are not used for Aerospace Components
		40 CFR Part 63, Subpart JJ - Wood Furniture Manufacturing NESHAP	40 CFR 63.800(a), 63.801: The facility meets the definition an incidental wood furniture manufacturer, which exempts the facility from the Wood Furniture Manufacturing NESHAP.
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.

IX. Permit Shield

Source #	Source Description	Requirements Not Applicable	Basis
N/A	Depainting Booth	40 CFR Part 63, Subpart GG – National Emission Standards for Aerospace Manufacturing and Rework Facilities	40 CFR 63.741(c)(8), 63.746(a)(1),(3): For inorganic HAP emissions, this subpart is not applicable to the depainting of aircraft parts or units, subassemblies, and assemblies that are normally removed from the aerospace vehicle or primary aircraft structure for depainting or to the depainting of radomes.

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.

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

X. Revision History

Title V Operating Permit Renewed — July 22, 2011
Equipment and requirements, including permit conditions, updated.
Permit Shield updated.

Administrative Amendment (Application No. 26883) — April 2, 2015
Change the Facility's Responsible Official:
Mark Eldred, Managing Director, Base Maintenance and MRO Services

Title V Operating Permit Renewed (Application No. 27728) — May 30, 2018
Equipment and requirements, including permit conditions, updated.
Permit Shield updated.

XI. GLOSSARY

ACT
Federal Clean Air Act

APCO
Air Pollution Control Officer

API
American Petroleum Institute

ARB
Air Resources Board

BAAQMD
Bay Area Air Quality Management District

BACT
Best Available Control Technology

BARCT
Best Available Retrofit Control Technology

Basis
The underlying authority that allows the District to impose requirements.

C_5
An Organic chemical compound with five carbon atoms

C_6
An Organic chemical compound with six carbon atoms

CAA
The federal Clean Air Act

CAAQS
California Ambient Air Quality Standards

CAPCOA
California Air Pollution Control Officers Association

CEC
California Energy Commission

CEQA
California Environmental Quality Act

CEM
Continuous Emission Monitor: a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

XI. Glossary

CFP
Clean Fuels Project

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

CO_2
Carbon Dioxide

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.

DAF
A "dissolved air flotation" unit is a process vessel where air bubbles injected at the bottom of the vessel are used to carry solids in the liquid into a froth on the liquid surface, where it is removed.

DWT
Dead Weight Ton

District
The Bay Area Air Quality Management District

DNF
Dissolved Nitrogen Flotation (See DAF)

dscf
Dry Standard Cubic Feet

dscm
Dry Standard Cubic Meter

E 6, E 9, E 12
Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals (4.53) x (10^6) = (4.53) x (10 x 10 x 10 x 10 x 10 x 10) = 4,530,000. Scientific notation is used to express large or small numbers without writing out long strings of zeros.

XI. Glossary

EFRT
An "external floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an EFRT, the floating roof is not enclosed by a second, fixed tank roof, and is thus described as an "external" roof.

EPA
The federal Environmental Protection Agency.

ETP
Effluent Treatment Plant

Excluded
Not subject to any District Regulations.

FCC
Fluid Catalytic Cracker

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.

FR
Federal Register

FRT
Floating Roof Tank (See EFRT and IFRT)

GDF
Gasoline Dispensing Facility

GLM
Ground Level Monitor

grain
1/7000 of a pound

Graphitic
Made of graphite.

XI. Glossary

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.

H_2S
Hydrogen Sulfide

H_2SO_4
Sulfuric Acid

Hg
Mercury

HHV
Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

IFRT
An "internal floating roof tank" minimizes VOC emissions with a roof with floats on the surface of the liquid, thus preventing the formation of a VOC-rich vapor space above the liquid surface as the level in the tank drops. If such a vapor space were allowed to form, it would be expelled when the tank was re-filled. On an IFRT, the floating roof is enclosed by a second, fixed tank roof, and thus is described as an "internal" roof.

ISOM
Isomerization plant

LHV
Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

Lighter
"Lightering" is a transfer operation during which liquid is pumped from an ocean-going tanker vessel to a smaller vessel such as a barge. Like any liquid transfer operation, lightering of organic liquids produces organic vapor emissions.

Long ton
2200 pounds

Major Facility
A facility with potential emissions of: (1) 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 of hazardous air pollutants as determined by the EPA administrator.

XI. Glossary

MDEA
Methyl Diethanolamine

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.

Mo Gas
Motor gasoline

MOP
The District Manual of Procedures

MOSC
Mobil Oil Sludge Conversion (licensed technology)

MSDS
Material Safety Data Sheet

MTBE
methyl tertiary-butyl ether

NA
Not Applicable

NAAQS
National Ambient Air Quality Standard

NESHAP
National Emission Standard for Hazardous Air Pollutants as codifed in 40 CFR Parts 61 and 63.

NMHC
Non-methane Hydrocarbons

NMOC
Non-methane Organic Compounds (Same as NMHC)

NOx
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.)

O2
The chemical name for naturally-occurring oxygen gas.

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, NOx, PM10, and SO2.

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

POC
Precursor Organic Compounds

PM
Total Particulate Matter

PM_{10}
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.

Regulated Organic Liquid
"Regulated organic liquids" are those liquids which require permits, or which are subject to some regulation, when processed at a liquid-handling operation. For example, for refinery marine terminals, regulated organic liquids are defined as "organic liquids" in Regulation 8, Rule 44.

RFG
Refinery Fuel Gas

RMG
Refinery Make Gas

XI. Glossary

SCR
A "selective catalytic reduction" unit is an abatement device that reduces NOx concentrations in the exhaust stream of a combustion device. SCRs utilize a catalyst, which operates at a specific temperature range, and injected ammonia to promote the conversion of NOx compounds to nitrogen gas.

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.

SO_2
Sulfur dioxide

SO_2 Bubble
An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other sulfur compounds in the RFG.

SO_3
Sulfur trioxide

THC
Total Hydrocarbons (NMHC + Methane)

therm
100,000 British Thermal Units

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

TOC
Total Organic Compounds (NMOC + Methane, Same as THC)

TPH
Total Petroleum Hydrocarbons

TRMP
Toxic Risk Management Plan

XI. Glossary

TRS
"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO2 that will be present in the combusted fuel gas, since sulfur compounds are converted to SO2 by the combustion process.

TSP
Total Suspended Particulate

TVP
True Vapor Pressure

VOC
Volatile Organic Compound

Units of Measure:

bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celcius
F	=	degrees Fahrenheit
f^3	=	cubic feet
g	=	gram
gal	=	gallon
gpm	=	gallons per minute
gr	=	grain
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts

XI. Glossary

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

Symbols:

<	=	less than
>	=	greater than
≤	=	less than or equal to
≥	=	greater than or equal to