ANTELOPE VALLEY
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 102301816

For: Northrop Grumman Aeronautics System Corporation
Facility: Northrop Grumman Aeronautics System Corporation – Palmdale 3520 E Avenue M, Palmdale CA

Issued Pursuant to AVAQMD Regulation XXX
Effective Date: April 5, 2022

This Federal Operating Permit Expires
on: April 5, 2027

Issued By: Barbara Lods
Executive Director
Air Pollution Control Officer

Barbara Lods

2551 W AVENUE H, LANCASTER, CALIFORNIA 93536
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PERMIT REVISIONS

PERMIT REVISION HISTORY

April 03, 2025
Significant Modification – Processing Engineer, Taylor Morais
Part I, Section C

- Added 1 new piece of equipment to the equipment table.

Part III – 1 new permit unit added

- Section OO – Added Authority to Construct Number: E015082 300 kW (472 bhp) LPG-fired emergency generator at Site 8.

February 23, 2024
Significant Modification – Processing Engineer, Taylor Morais
Part I, Section A

- Updated Responsible Official

Part I, Section C

- Added 13 new pieces of equipment to the equipment table.

Part III – 13 new permit units added

- Section J – Added Authority to Construct Number: E014902 300 kW (472 bhp) LPG-fired emergency generator at Site 3.
- Section AH – Added Authority to Construct Numbers: B014894-B014901 for eight 6-MMBtu Boilers at Site 4.
- Section AI & AJ – Added Authority to Construct Numbers: S014890 and C014892 for Paint Hangar/HEPA Filters/Concentrator/RTO at Site 4.
- Section AK – Added Authority to Construct Number: E014903 350 kW (398 bhp) LPG-Fired Emergency Generator at Site 4 Lift Station.
- Section AL – Added Authority to Construct Number E014893 for 350 kW (566 bhp) Natural Gas-Fired Emergency Generator at Site 4.

February 11, 2022
Renewal of permit/Significant Modification – Processing Engineer, Roseana Brasington
Part I, Section A

- Updated Responsible Official
- Added Authority to Construct permit Numbers: B014376 for one electric curing oven to be installed at Site 3.
- Added Permit to Construct Numbers: P014377, P014378, P014379, P014380 for four new paint spray guns to be used at Site 3.
- Added Permit to Construct Numbers C014381, C014382, C014383, C014384 and C014385 for Portable Paint Spray Ventilation Systems at Site 4.
- Updated Title V Part III Condition references.

Part II Updated to reflect current regulatory requirements

- Updated District Rules as necessary. Rules 1110.2, 1146, 1146.1 added.
- Added citation for 40 CFR 60 Subpart Dc
- Updated 40 CFR 61 Subpart M Citation

Part III Section A – ten new permit units added

- Corrected/updated numbering
- Section A – Portable Abrasive Blasting Systems; Permit # A006778 And A006784
  - Added requirement for Comprehensive Emission Inventory
- Section B - Three Natural Gas Fueled Boilers; Permit # B007857, B007858 And B007859
  - Added requirement for Comprehensive Emission Inventory
  - Corrected initial source test condition, limits defined in condition 3 rather than condition 2
- Section F – Added Paint Curing Oven Permit Number B013434
- Section J – Added Four Paint Guns P014377, P014378, P014379 and P014380
- Section K – Aligned conditions with District Permit, added condition requiring pressure differential log pursuant to 40 CFR 63 Subpart GG and added condition requiring VOC recordkeeping pursuant to District Rule 109
- Section O – Aligned conditions with District Permits, added citation to Rule 1146.1 and updated language regarding tuning frequency
- Section R – Added previously issued permit B013909 7.2 Mmbtu/Hr Boiler. Added by Significant Modification 12/15/20 but erroneously not added to permit
- Section S Added previously issued permit B013910 12.4 Mmbtu/Hr Boiler. Added by Significant Modification 12/15/20 but erroneously not added to permit
- Section T Four – 1.35 Mmbtu/Hr Natural Gas Fired Make-Up Air Heaters, Avaqmd Permits # B013435 (associated with S008093), B013436 (Associated With S007837), B013437 (Associated With S009013) And B013438 (Associated With S009013). Updated rule citations
- Section V Carbon Adsorption System Permit # C013441. Updated rule citations and lowered required control efficiency from 99% to 81%
- Section W Portable Air Pollution Control Equipment – Added five new portable spray painting ventilating devices, added condition limiting PM_{10} emissions from each unit to less than 25 l b/day, removed VOC limiting conditions as this isn't a VOC emissions source C014381, C014382, C014383, C014384 and C014385
- Section X Emergency Electrical Power Generators; Permit # E006770, E006780, E008106, and E008420 – corrected equipment description to reference four permit units rather than six
- Section AA Natural Gas Fueled Emergency Generators; Permit Numbers E011904, E011905, E011907 – revised source testing permit condition. Initial testing has been completed, referenced completed test and clarified when additional testing is required.
- Section AC Intact Aircraft, EREC Robotic Application Paint Hangar, Permit # S013440 –

Updated rule citations

- Section Ah Four Stationary Diesel Fueled Piston Type Internal Combustion Engine – Emergency Electrical Power Generators; Permit # E006403, E006404, E006406 and E007093 - Aligned conditions with District Permits
- Section AJ Two Spray Booths and One Spray Hangar; Permit Number; S006411, S006412, and S006447 - Aligned conditions with District Permits

Section AK One Stationary Diesel Fueled Piston Type Internal Combustion Engine – Emergency Electrical Power Generator; Permit # E008856 – updated citation

December 15, 2020
Significant Modification – Processing Engineer, Roseana Brasington
Part I, Section A – update of Responsible Official
Part I, Section C – add equipment to equipment table
Part III Section A –five new permit units added
Part III Section A- Correction to typo in 719 tons per year VOC cap, to correct VOC cap of 712 tons per year.
Appendix A – updated requirements for Rule 1107

March 24, 2020
Administrative Amendment – Processing Engineer, Vickie Rausch
Part I, Section D – corrections to Equipment Descriptions: B013436, B013437, and B013438. Updates were to correct the manufacturer name with no change in emissions.

September 26, 2019
Significant Modification – Processing Engineer, Vickie Rausch
Part I, Section C – add equipment to equipment table
Part III Section A –five new permit units added, revised permit conditions for more accurate NSPS requirements and added additional locations to portable equipment.
Part III - Correction to typo in VOC cap of 719 tons per year, to correct VOC cap of 712 tons per year.

June 26, 2019
Significant Modification – Processing Engineer, Roseana Brasington
Part I, Section C – add equipment to equipment table
Part II Section B – reporting deadlines – added hard dates, added additional applicable rules to section A
Part III Section A – ten new permit units added, section reorganized permits now grouped by site then by type.

October 3, 2017
Minor Modification By Vickie Rausch

Please refer to Preliminary Decision Document and associated Statement of Legal and Factual Basis dated 10-3-17 for complete details.

● Part I, Section A, change in Responsible Official to: Kevin Mitchell, NGAS VP, Deputy Global Operations.
● Part I, Section B, added Heaters and Paint Curing Oven to DESCRIPTION OF FACILITY
● Part I, Section C, added; Model #ZW800 to Permit B011297, HEPA filters to; S012606 and S012606, Permit S012788 Spray booth, B012789 Electric paint curing oven, B012790 4.5 MMBtu/hr boiler system, B012795, B012796, B012835 and B012836 each 4.32 MMBtu/hr heaters, B012797, B012798, B012837 and B012838 each 5.4 MMBtu/hr heaters, E012785 Emergency ICE and removed B008592 Cogeneration system.
● Part III, added Site 7 and Site 8
● Part III, Section F, removed B008592
● Part III, Section G, revision to Fleet Compliance Dates
● Part III, Section I, new paint stripper and application equipment
● Part III, Section N, added clarification of emergency ICE equipped with three-way catalyst, updated emissions based on source testing, added E012785 emissions,
● Part III, Section N, added S012788, and HEPA filter pressure differential
● Part III, Section P, added S012788. Added S012606 and S012607 hexavalent chromium and cadmium limits, S006766 new paint stripper and application equipment
● Part III, Section S, added propane to storage tank description
● Part III, Section T, added update to emissions
● Part III, Section Y, Z and AA added equipment specific operating conditions
● Part V, added ALTERNATIVE OPERATING SCENARIO(S)

TABLE OF CONTENTS

	Section	Page
Part I.	Introductory Information	I-7
Part II.	Facility-wide Applicable Requirements	II-22
Part III.	Equipment Specific Applicable Requirements	III-47
Part IV.	Standard Federal Operating Permit Conditions	IV-120
Part V.	Operational Flexibility Provisions	V-123
Part VI.	Conventions, Abbreviations, Definitions	VI-124
Part VII.	District SIP History and Citations	VII-126
Appendix A	Rule Summaries	A-132

PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	Northrop Grumman Aeronautics Systems Corporation
Owner Mailing Address:	Northrop Grumman Aeronautics Systems Corporation 3520 E Avenue M, M/S 4F Palmdale, CA 93550
Facility Name:	Northrop Grumman Aeronautics Systems Corporation - Palmdale
Facility Location:	3520 E Avenue M, Palmdale CA
Mailing Address:	Northrop Grumman Aeronautics Systems Corporation - Palmdale 3520 E Avenue M, M/S 4F Palmdale, CA 93550
AVAQMD Federal Operating Permit Number:	102301816
AVAQMD Company Number:	1023
AVAQMD Facility Number:	01816
Responsible Official:	Gina L. Woullard
Title:	Vice President Production Operations
Phone Number:	(661) 403-2592
Facility "Site" Contact:	George Jung
Phone Number:	(661) 266-5394
Nature of Business:	Aircraft Assembly, Maintenance and Modification
SIC Code:	37228-06 – Aircraft Parts and Assemblers
Facility Location:	UTM (Km): 425E/3830N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit, (FOP number: 102301816) for Northrop Grumman Corporation, located at 3520 E Avenue M Palmdale, CA 93550**.** The facility is designed to assemble, maintain, and modify military aircraft. Facilities include the following; Abrasive Blasting Equipment, HVLP Paint Spray Guns, Paint Spray Booths, Portable Aircraft Ground Support Equipment, Emergency Internal Combustion Engines, Boilers, Heaters, Paint Curing Oven, Gasoline Dispensing Facilities, Military Jet Fuel Truck Loading/Unloading Facility, Military Jet Fuel Hydrant Fueling/Defueling System, Military Jet Fuel Storage Truck Loading and Unloading Facility, Jet Fuel Storage Tanks, an LPG Pressurized Storage Tank, and Cogeneration Systems.

C. PERMITTED EQUIPMENT FOR SITE 3:

Permit Number	Title V Part III Condition	Permit Type	Equipment	Description	Plant	Building
A006778	A	Abrasive blasting	Abrasive blasting system	• Four blast nozzles with six foot pressure vessel • Storage hopper, 1250 cubic feet, with 50,000 pound capacity • Cyclone separator, with waste bags • Recovery storage hopper, 500 cubic feet, 10,000 pound capacity, with magnetic particle separator • Particle separator	Site 3	333
A006784	A	Abrasive blasting	Abrasive blasting system	• Four blast nozzles with six foot pressure vessel • Storage hopper, 1250 cubic feet, with 50,000 pound capacity • Cyclone separator, with waste bags • Recovery storage hopper, 500 cubic feet, 10,000 pound capacity, with	Site 3	333

				magnetic particle separator • Particle separator		
B007857	B	Basic	42 MMBtu/hr boiler	• Model #6-X-5000-S15-ACTCF-G • Power flame Model #NVC16-G-30 burner	Site 3	302
B007858	B	Basic	33.5 MMBtu/hr boiler	• Model #6-X-4000-S15ACTCF-G • Power flame Model #NVC13-G-30 burner	Site 3	302
B007859	B	Basic	22.4 MMBtu/hr boiler	• Model #6-X-3000-S15-ACTCF-G • Power flame Model #NVC11-G-30 burner	Site 3	302
B010679	C	Basic	314 bhp portable diesel generator	• John Deere • Model #6068HF485TU • Serial #PE6068l085256 • 6 cylinders	Site 3	Various
B013434	D	Basic	95 bhp prime power diesel engine	• KEM Power Industrial Engines • KEM 4.3L ULE LPG • Powers gantry bridge crane	Site 3	305
B014376	E	Basic	Electric Curing Oven	• Grieve Corporation • Model WRH566-500	Site 3	305
C006781	F	Control device	Depaint/paint hangar	• 180 feet by 214 feet by 59 feet • 18 individual dust collectors equipped with: C. Cartridge type pre-filters D. Pleated secondary filter panels, and E. HEPA filters	Site 3	333

E006771	G	Emergency ICE	435 bhp emergency diesel generator	• Cummins • Model #NT855-G6 • Serial #30345653 • 6 cylinders	Site 3	307
E006782	G	Emergency ICE	435 bhp emergency diesel generator	• Cummins • Model #N852-G2 • Serial #30347847 • 6 cylinders	Site 3	301
E008106	W	Emergency ICE	455 bhp emergency diesel generator	• Detroit • Model #6063MK35 • Serial #06R0633577 • 6 cylinders	Site 3	302
E012299	H	Emergency ICE	206 bhp emergency propane gas generator	• MTU America, Inc • Model Ford 6.8 L V10 • Serial #TBD 10 cylinders	Site 3	360
E012300	H	Emergency ICE	206 bhp emergency propane gas generator	• MTU America, Inc • Model Ford 6.8 L V10 • Serial #TBD • 10 cylinders	Site 3	360
E012301	H	Emergency ICE	206 bhp emergency propane gas generator	• MTU America, Inc • Model Ford 6.8 L V10 • Serial #TBD • 10 cylinders	Site 3	360
E012302	H	Emergency ICE	206 bhp emergency propane gas generator	• MTU American Inc • Model Ford 6.8 L V10 • Serial #TBD • 10 cylinders	Site 3	360
E012545	H	Emergency ICE	206 bhp emergency propane gas generator	• MTU American Inc • Model Ford 6.8 L V10 • Serial #TBD • 10 cylinders	Site 3	Taxiway Nov
E014902	I	Emergency ICE	472 bhp emergency propane gas generator	• Power Solution International (PSI) • Engine Model PSI-21.9L CAC LP • Serial #TBD • 12 cylinders	Site 3	333

P010330	J	Portable spray gun	Portable HVLP spray gun	• DeVibiss	Site 3	Various
P010331	J	Portable spray gun	Portable HVLP spray gun	• DeVibiss	Site 3	Various
P010389	J	Portable spray gun	Portable HVLP spray gun	• Binks	Site 3	Various
P011007	J	Portable spray gun	Portable HVLP spray gun	• DeVibiss	Site 3	Various
P011009	J	Portable spray gun	Portable HVLP spray gun	• DeVibiss	Site 3	Various
S006874	K	Spray booth	Paint hangar	• 2 individual paint bays • 160 feet by 80 feet by 27 feet • 3-stage pocket bag filters	Site 3	305
S007822	K	Spray booth	Paint booth	• 2 individual paint bays • 1 cure bay • 3-stage pocket bag filters	Site 3	301
S012608	K	Spray booth	Paint booth	• 30 feet by 15 feet by 24 feet • 3-stage pocket bag filters	Site 3	305
S012609	K	Spray booth	Paint booth	• 42 feet by 15 feet by 33 feet • 3-stage pocket bag filters	Site 3	305
S012610	K	Spray booth	Paint booth	• Silicones • 76 feet by 20 feet by 73 feet • 3-stage pocket bag filters	Site 3	305
S012611	K	Spray booth	Paint booth	• 42 feet by 15 feet by 33 feet • 3-stage pocket bag filters	Site 3	305

D. PERMITTED EQUIPMENT FOR SITE 4:

Permit Number	Title V Part III Condition	Permit Type	Equipment	Description	Plant	Building
B006790	M	Basic	18 MMBtu/hr boiler	• Model # TJW-C205 • Serial #14920 • National Board #16148 • Power flame Model #CSB200-G-30 burner	Site 4	410
B011296	P	Basic	16 MMBtu/hr boiler	• Model #ZW1600 • Power flame Model #NVC8-G-30 burner	Site 4	410
B011297	Q	Basic	8 MMBtu/hr boiler	• Model #ZW800 • Power flame Model #NVC6-G-30 burner	Site 4	410
B012789	M	Basic	Electric paint curing oven	• Grieve • Model #WTH686-500 • Serial #TBD	Site 4	401
B012790	N	Basic	4.5 MMBtu/hr boiler system	• 3 Individual 1.5 MMBtu/hr boilers • AERCO Boiler Company • Model #BMK 1500	Site 4	423
B012795	O	Basic	4.32 MMBtu/hr heater	• Heater #1 • Model #TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE	Site 4	421 Phase I
B012796	O	Basic	4.32 MMBtu/hr heater	• Heater #2 • Model #TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE	Site 4	421 Phase I
B012797	O	Basic	5.408 MMBtu/hr heater	• Heater #3 • Model #TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE	Site 4	421 Phase I
B012798	O	Basic	5.408 MMBtu/hr heater	• Heater #4 • Model TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE	Site 4	421 Phase I
B012835	O	Basic	4.32 MMBtu/hr heater	• Heater #1 • Model #TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE	Site 4	421 Phase II

B012836	O	Basic	4.32 MMBtu/hr heater	• Heater #2 • Model #TA-236 • Serial #TBD • Eclipse Burner Linnox #ULE 144-4	Site 4	421 Phase II
B012837	O	Basic	5.4 MMBtu/hr heater	• Heater F35 #1 • Model TA-230 • Serial #TBD • Eclipse Burner Linnox #PRJ101035818	Site 4	401
B012838	O	Basic	5.4 MMBtu/hr heater	Heater F35 #2 Model TA-230 Serial #TBD Eclipse Burner Linnox #PRJ101035818	Site 4	401
B013435	S	Basic	Heater (F35 Paint Shop – SDD1)	• Titan Air Model # TA-230 NG HRV w/ DX w.EV • Eclipse 1.35 MMBtu/hr (Total BTU 5.4 MMBtu/hr) natural gas burner Model # Linnox UHE	Site 4	401
B013436	S	Basic	Heater (F35 Paint Shop – SDD2)	• Bessamaire Model # HCDXF8-52 • (4) Eclipse 1 MMBtu/hr (Total BTU 4 MMBtu/hr) natural gas burner	Site 4	401
B013437	S	Basic	Heater (F35 Paint Shop – SVB Bay 1)	• Bessamaire Model # HCDXF8-36 • (2) Eclipse 1 MMBtu/hr (Total BTU 2 MMBtu/hr) natural gas burner	Site 4	401
B013438	S	Basic	Heater (F35 – Paint Shop – SVB Bay 2)	• Bessamaire Model # HCDXF8-36 • (2) Eclipse 1 MMBtu/hr (Total BTU 2 MMBtu/hr) natural gas burner	Site 4	401
B013167	N	Basic	7.8 MMBtu/hr boiler	• Bekaert, Model No. 700809 • RBI integrated Model • Futera-II FW-1950	Site 4	401
B013909	L	Basic	7.2 MMBt/hr	• Unilux Model ZW 700W-I-500/500-LB • Power Flame burner model UCM200-G-30	Site 4	410
B013910	L	Basic	12.4 MMBtu/hr	• Unilux Model ZW 1200W-I-500/500-LB • Power Flame burner model	Site 4	410

				UCM300-G-30		
B014894	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #1 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014895	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #2 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014896	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #3 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014897	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #4 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014898	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #5 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014899	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #6 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014900	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #7 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
B014901	FF	Basic	6.0 mmBtu/hr boiler	• Boiler #8 • Cleaver Brooks • Model CFCE-700-6000-125HW • Low NOx burner	Site 4	421 Phase III
C011105	T	Control device	Portable CAPS II system	• Sharp-shooter HVLP spray gun • Prefilter • 25 lbs carbon canister	Site 4	Various

C013911	T	Control device	Portable CAPS II system	• Sharp-shooter HVLP spray gun • Prefilter • 25 lbs carbon canister	Site 4	Various
C013912	T	Control device	Portable CAPS II system	• Sharp-shooter HVLP spray gun • Prefilter • 25 lbs carbon canister	Site 4	Various
C013913	T	Control device	Portable CAPS II system	• Sharp-shooter HVLP spray gun • Prefilter • 25 lbs carbon canister	Site 4	Various
C013441	U	Control device	Carbon Adsorption System	• 224 dual pass 24 x 24 x 24 carbon filters	Site 4	421 Phase II
C013442	V	Control device	Portable Spray Painting Ventilation Device	• Clayton Tent N Vent Overspray Filtration System • 1200 CFM • 3 stage Method 319 compliant filters	Sites 3, 4 & 7	Various
C013443	V	Control device	Portable Spray Painting Ventilation Device	• Clayton Tent N Vent Overspray Filtration System • 1200 CFM • 3 stage Method 319 compliant filters	Sites 3, 4 & 7	Various
C013444	V	Control device	Portable Spray Painting Ventilation Device	• Clayton Tent N Vent Overspray Filtration System • 1200 CFM • 3 stage Method 319 compliant filters	Sites 3, 4 & 7	Various
C014381	V	Control device	Portable Spray Painting Ventilation Device	• Clayton Tent N Vent Overspray Filtration System • 1200 CFMac • 3 stage Method 319 compliant filters	Site 4	435
C014892	HH	Control device	Concentrator/ RTO/Acid Gas Scrubber	• 228,000 SCFM CECO Adwest 114.0 ZRC Concentrator • 11,400 SCFM RETOX 11.4RTO95 dual chamber • HEE- Duall 2-stage packed bed acid gas scrubber	Site 4	B/421 Phase III
C015046	V	Control device	Portable Spray Painting Ventilation Device	• Clayton Tent N Vent Overspray Filtration System • 1200 CFMac • 3 stage Method 319	Sites 3, 4 & 7	Various

				compliant filters		
E006770	W	Emergency ICE	1588 bhp emergency diesel generator	• Caterpillar • Model #3512 • Serial #24Z01274 • 12 cylinders	Site 4	410
E006780	W	Emergency ICE	603 bhp emergency diesel generator	• Caterpillar • Model #3408 • Serial #78Z02136 • 8 cylinders	Site 4	333
E008420	W	Emergency ICE	817 bhp emergency diesel generator	• Caterpillar • Model #3412 DITA • Serial #PE6068l005256 • 12 cylinders	Site 4	401
E006783	X	Emergency ICE	82 bhp emergency LPG generator	• Ford • Model #CSG-649 • Serial #18865 • 6 cylinders	Site 4	Sewer lift station
E011904	Z	Emergency ICE	701 bhp emergency natural gas generator	• Cummins • Model #GTA28 • Serial #TBD • 12 cylinders	Site 4	408
E011905	Z	Emergency ICE	1098 bhp emergency natural gas generator	• Cummins • Model #GTA50 • Serial #TBD • 16 cylinders	Site 4	407
E011907	Z	Emergency ICE	231 bhp emergency natural gas generator	• Generac • Model #SG150 • Serial #TBD • 10 cylinders	Site 4	405
E014893	JJ	Emergency ICE	536 bhp emergency natural gas generator	• Power Solution International (PSI) • Model PSI-NGE 18.3L • Serial #TBD • 10 cylinders	Site 4	421
E014903	II	Emergency ICE	398 bhp emergency LPG generator	• Power Solution International (PSI) • PSI-HD 18.3L • Serial #TBD • 4 cylinders	Site 4	Lift Station
N011611	Y	Non-retail gasoline	Gasoline dispensing system	• 10,000 gallon aboveground storage tank • 2 nozzles	Site 4	460
S006766	AA	Spray booth	Paint hangar	• 100 feet by 300 feet by 80 feet • 3-stage pocket bag filters	Site 4	415
S006767	AA	Spray booth	Paint booth	• 20 feet by 12 feet by 10 feet	Site 4	415

				• 3-stage pocket bag filters		
S007837	AA	Spray booth	Paint booth	• Northrop Grumman #SDD2 • Robotic spray system • 3-stage pocket bag filters	Site 4	401
S008093	AA	Spray booth	Paint booth	• Northrop Grumman #SDD1 • Robotic spray system • 3-stage pocket bag filters	Site 4	401
S009013	AA	Spray booth	Paint booth	• 2 individual paint bays • 30 feet by 30 feet by 12 feet • 3-stage pocket bag filters	Site 4	401
S012451	AA	Spray booth	Paint booth	• Robotic spray system F35 #3 • 3-stage pocket bag filters	Site 4	401
S012606	AA	Spray booth	Paint booth	• 35 feet by 16 feet by 53 feet • 3-stage pocket bag filters • HEPA filters	Site 4	421 Phase I
S012607	AA	Spray booth	Paint booth	• 49 feet by 21 feet by 122 feet • 3-stage pocket bag filters • HEPA filters	Site 4	421 Phase I
S012788	AA	Spray booth	Paint booth	• Robotic spray system F35 #4 • 3-stage pocket bag filters	Site 4	401
S013440	BB	Spray booth	Paint hangar	• Global Finishing Systems 215′ x 120′ crossdraft	Site 4	421 Phase II
S014890	GG	Spray booth	Paint hangar	• Global Finishing Systems 215′ x 120′ crossdraft	Site 4	421 Phase III
T006761	CC	Tank	Jet fuel loading and unloading system	• Two 50,000 gallon above ground storage tanks • NG #T-601 • NG #T-603 • Three loading and unloading systems	Site 4	431
T006762	CC	Tank	Jet fuel fueling and defueling system	• Hydrant system • Defueling pump • Fueling transfer pump • Fuel filter separator	Site 4	431
T006763	CC	Tank	Jet fuel loading and unloading system	• Hydrant system • Defueling pump • Fueling transfer pump • Fuel filter separator • NG #T-12	Site 4	468
T006772	DD	Tank	Jet/diesel fuel storage tank	• 100,000 gallon aboveground • NG #T-13	Site 4	410
T006773	DD	Tank	Jet fuel storage tank	• 105,000 gallon aboveground • Ng #T-10	Site 4	468
T006786	DD	Tank	Jet fuel storage tank	• 105,000 gallon aboveground • NG #T-TBD		

T006787	DD	Tank	Jet fuel storage tank	• 105,000 gallons aboveground • NG #T-08	Site 4	468
T006794	DD	Tank	Jet fuel storage tank	• 50,000 gallon aboveground storage tank • NG #T-607	Site 4	431
T006793	EE	Tank	LPG storage tank	• 30,000 gallon aboveground	Site 4	410

E. PERMITTED EQUIPMENT FOR SITE 7:

Permit Number	Title V Part III Condition	Permit Type	Equipment	Description	Plant	Building
E006403	KK	Emergency ICE	102 bhp emergency diesel generator	• Cummins • Model #4BT3.9-G2 • Serial #4584665 • 4 cylinders	Site 7	740
E006404	KK	Emergency ICE	86 bhp emergency diesel generator	• Cummins • Model #4BT3.9-G1 • Serial #44973495 • 4 cylinders	Site 7	720
E006406	KK	Emergency ICE	102 bhp emergency diesel generator	• Cummins • Model #4BT.9-G2 • Serial #45384708 • 4 cylinders	Site 7	730
E007093	KK	Emergency ICE	93 bhp emergency diesel generator	• Cummins • Model #4BT3.9-G4 • Serial #45718970 • 6 cylinders	Site 7	722
E013597	LL	Emergency ICE	205 bhp emergency propane generator	• MTU America, Inc. • Model #GMDDB06.8GBT • Serial #TBD • 10 cylinders	Site 7	740
E013598	LL	Emergency ICE	205 bhp emergency propane generator	• MTU America, Inc. • Model #GMDDB06.8GBT • Serial #TBD • 10 cylinders	Site 7	740
E013599	LL	Emergency ICE	205 bhp emergency propane generator	• MTU America, Inc. • Model #GMDDB06.8GBT • Serial #TBD • 10 cylinders	Site 7	740
S006411	MM	Spray booth	Paint booth	• Bench type	Site 7	720

				• 4 exhaust filers • 2 inch thick filters		
S006412	MM	Spray booth	Paint hangar	• 62 feet by 122 feet by 23 feet • 3-stage pocket bag filters	Site 7	727
S006447	MM	Spray booth	Paint booth	• Spray King floor type • 10 feet by 33 feet by 8 feet • 3-stage pocket bag filters	Site 7	727 Outside

F. PERMITTED EQUIPMENT FOR SITE 8:

E008856	NN	Emergency ICE	56 bhp emergency diesel generator	• Cummins • Model #4B3.3-G1 • Serial #A030459577 • 4 cylinders	Site 8	870
E015082	OO	Emergency ICE	471 bhp emergency propane generator	• Power Solution International • Model #MTU 12V0183 GS400 • Serial #TBD • 12 cyliners	Site 8	870

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSION LIMITATIONS: MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS, COMPLIANCE CONDITIONS, COMPLAINCE PLANS

A. CONDITIONS APPLICABLE TO THE ENTIRE FACILITY AND ALL EQUIPMENT:

1. Owner/Operator shall keep records as specified in the rule of volatile organic compound use.
   [AVAQMD Rule 109 – *Recordkeeping for Volatile Organic Compound Emissions*]

2. A permit is required to operate this facility.
   [AVAQMD Rule 203 - *Permit to Operate*]

3. The equipment shall not be operated contrary to the conditions specified in the permit to operate.
   [AVAQMD Rule 203 - *Permit to Operate]*

4. The Air Pollution Control Officer may impose written conditions on any permit.
   [AVAQMD Rule 204 – *Permit Conditions*]

5. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
   [AVAQMD Rule 204 – *Permit Conditions*]

6. Permits to construct expire one year from the date of issuance unless an extension is approved in writing by the APCO.
   [AVAQMD Rule 205 – *Expiration Of Permits To Construct*]

7. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.
   [AVAQMD Rule 206 - *Posting of Permit to Operate*]

8. A person shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
   [AVAQMD Rule 207 - *Altering or Falsifying Of Permit*]

9. A person required to obtain a permit for burning pursuant to Rule 444 – Open Burning shall not perform any outdoor burning without obtaining the required permit first.
   [AVAQMD Rule 208 - *Permit For Open Burning*]

10. A permit shall not be transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another.
    [AVAQMD Rule 209 - *Transfer And Voiding Of Permits*]

11. Applications for permits as required by District rules 201, 203 and 208 shall be submitted in a form acceptable to the APCO and shall contain the information required by Rule 212 to determine if the permit can be issued.
[AVAQMD Rule 210 – *Applications*]

12. The APCO shall deny applications for permits for equipment which does not comply with District, State and Federal rules and regulations. Public notice is required to approve permits for emission units which operate within 1000 feet of a school, which produce a MICR greater than one in one million or which exceed the following thresholds:
[AVAQMD Rule 212 – *Standards for Approving Permits*]

13. The Air Pollution Control Officer may require the applicant or permittee to provide and maintain such facilities as are necessary for sampling and testing.
[AVAQMD Rule 217 - *Provision for Sampling and Testing*]

14. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[AVAQMD Rule 219 - *Equipment Not Requiring a Written Permit*]

15. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[AVAQMD Rule 225 - *Federal Operating Permit Requirement*]

16. Owner/Operator shall pay all applicable AVAQMD permit fees.
[AVAQMD Rule 301 - *Permit Fees*]

17. Owner/Operator shall pay all applicable AVAQMD Title V Permit fees.
[AVAQMD Rule 312 - *Supplemental Fees for Federal Operating Permits*]

18. The purpose of this rule is to implement the mandatory penalty pursuant to Section 185 of the Federal Clean Air Act (42 U.S.C. §7511d) within the District portion of the Southeast Desert Modified Air Quality Maintenance Area (AQMA). The rule applies to facilities with the Potential to Emit NOx or VOC in an amount over the major source threshold for that pollutant.
[AVAQMD Rule 315 - *Federal Clean Air Act Section 185 Penalty*]

19. A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines.

    a. The provisions of this rule shall not apply to abrasive blasting operations.

    b. While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic

Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.

c. While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
   i. Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.
   ii. Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.
   iii. Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.
   iv. On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 "Visible Emissions Evaluation" shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[40 CFR 70.6 (a)(3)(i)(B) - Periodic Monitoring Requirements]

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 401. AVE Evaluation will be performed if emissions are observed or upon public complaint. VE evaluation records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. Emergency diesel engines using CARB diesel do not require periodic monitoring of visible emissions.
[AVAQMD Rule 401 - *Visible Emissions*;]

20. The APCO in his/her discretion, may refrain from enforcement action against an owner/operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred and:

    a. Any Breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such Breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such Breakdown; and

    b. An estimate of the repair time is provided to the District as soon as possible after the report of the Breakdown; and

c. All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.

d. The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the Clerk of the Hearing Board in accordance with Regulation V.

e. If the Breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.
[AVAQMD Rule 430 - *Breakdown Provisions*]

21. Owner/Operator shall not burn or allow the burning of combustible materials in an open outdoor fire within the District without first obtaining a written permit, as required by AVAQMD Rule 208, for such burning from the Executive Officer and, when required, from the local fire protection agency.
[AVAQMD Rule 444 – *Open Fires*]

22. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.

CDM - Compliance with Rule 403 requires the Owner/Operator's submittal of a Fugitive Dust Control Plan for Earth-Moving Activities with a disturbed surface area of five or more acres unless the activity is considered exempt from Rule 403. Construction activities shall not commence until the APCO has approved or conditionally approved the DCP. Owner/operator shall provide written notification to the APCO within ten days prior to the commencement of Earth-Moving Activities via fax or mail.
[AVAQMD Rule 403 - *Fugitive Dust*]

23. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).
    a. Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

    b. A person shall not discharge into the atmosphere from any source, particulate matter in excess of 450 milligrams per cubic meter (0.196 grain per cubic foot) in discharged gas calculated as dry gas at standard conditions.

    c. The provisions of this condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.

    d. For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

[AVAQMD Rule 404 - *Particulate Matter Concentration*]

24. Owner/Operator shall not discharge into the atmosphere from this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a).

    a. Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

    b. For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

    [AVAQMD Rule 405 - *Solid Particulate Matter, Weight*]

25. Owner/Operator shall not discharge into the atmosphere from any equipment, except; stationary internal combustion engines, propulsion of mobile equipment, emergency venting due to equipment failure or process upset:

    a. Carbon monoxide (CO) exceeding 2,000 ppm by volume measured on a dry basis, averaged over 15 consecutive minutes

    b. Sulfur compounds which would exist as liquid or gas at standard conditions, calculated as sulfur dioxide (SO_2) and averaged over 15 consecutive minutes, exceeding 500 ppm by volume.

    The provisions of subsection (b) of this rule do not apply to equipment subject to the emission limits of Regulation XI rules and equipment which complies with the gaseous fuel sulfur content limits of Rule 431.1.

    CDM - SCAQMD Method 100.1 or 10.1, 307-91 are used to directly measure CO and SO_2; however no method is required to demonstrate compliance with Rule 407. Continuous compliance with Rule 407 is assumed.
    [AVAQMD Rule 407 - *Liquid and Gaseous Air Contaminants*]

26. A person shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of these rules.

    a. This condition shall not apply to cases in which the only violation involved is of Section 48700 of the Health and Safety Code, or Rule 402 of these Rules.

    CDM - Compliance with Rule 408 shall be determined during quarterly facility inspections. Inspection records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 408 - *Circumvention*]

27. Owner/Operator shall not discharge into the atmosphere from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO_2) at standard conditions averaged over a minimum of 15 consecutive minutes.

    a. The condition shall not apply to jet engine test stands and emissions from internal combustion engines.

    [AVAQMD Rule 409 - *Combustion Contaminants*]

28. Owner/Operator must comply with the applicable fuel sulfur requirements specified in Rules 431.1 and 431.2.

    CDM - Compliance with fuel sulfur limit for natural gas fuel shall be determined by records supplied from the natural gas supplier documenting the sulfur content of the natural gas supplied as fuel. Compliance with Rule 431.2 fuel sulfur limit for diesel fuel shall be determined by records that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 431.1 - Sulfur Content of Gaseous Fuels]
    [AVAQMD Rule 431.2 - Sulfur Content of Liquid Fuels]

29. No person shall supply any vehicular diesel fuel having a sulfur content exceeding 15 parts per million by weight. The 15 parts per million sulfur standard shall not apply where the person supplying the diesel fuel demonstrates as an affirmative defense that the exceedance was caused by diesel fuel delivered to the facility prior to July 15, 2006, the effective date of the requirement. California nonvehicular diesel fuel is subject to all of the requirements applicable to vehicular diesel fuel.

    CDM - Compliance with fuel sulfur limit for diesel fuel shall be determined by records demonstrating that the fuel used at the facility is CARB certified diesel fuel with the supplier's fuel analysis guarantee. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. The sulfur content of diesel fuel shall be determined by use of ASTM Test Method D5453-93 or any other test method determined by the Executive Officer to give equivalent results.
    [California Code of Regulations, Title 13, Division 3 Chapter 5 (Standards for Motor Vehicle Fuels) Article 2. Standards for Diesel Fuel and California Code Of Regulations, Title 17. Public Health, Division 3. Air Resources Chapter 1. Air Resources Board Subchapter 7.5 Airborne Toxic Control Measures § 93114(b). Airborne Toxic Control Measure to Reduce Particulate Emissions from Diesel-Fueled Engines – *Standards for Non-vehicular Diesel Fuel*.]

30. All coatings, diluents, thinners, solvents and methods of application not subject to another source-specific Regulation XI rule shall comply with AVAQMD Rule's 442, as referenced in Appendix A. Pursuant to Rule 442, a person shall not discharge VOCs into the atmosphere from all VOC containing materials, emissions units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per calendar month per Facility.

a. The limits of this rule do not apply to aerosol products, pesticides including, herbicides, insecticides and/or rodenticides, or to the storage and transport of organic solvents.

CDM - Compliance with Rule 442 shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 as referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 442 - *Usage of Solvents*]
[AVAQMD Rule 204 – *Permit Conditions*]
[AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

31. The owner/operator shall comply with the requirements of AVAQMD Rule 481 when preforming spray coating operations.

CDM – Compliance with Rule 481 shall be determined recordkeeping required pursuant to Rule 109 as referenced in Appendix A. Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.
[Rule 481 – *Spray Coating Operations*]
[Rule 109 – *Recordkeeping for Volatile Organic Compound Emissions*]
[Rule 204 – *Permit Conditions*]

32. *Coating of Metal Parts and Products* at this facility shall comply with the requirements of Rule 1107, including the VOC limits specified in Rule 1107 and referenced in Appendix A.

CDM - Compliance with the Rule 1107 VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. l Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 1107 - *Coating Of Metal Parts And Products*]
[AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

33. For all internal combustion engines over 50 bhp. Owner/operator must comply with the requirements of District Rule 1110.2 - Emissions from Stationary, Non-Road and Portable Internal Combustion Engines except as exempted under Section H of the Rule.

[AVAQMD Rule 1110.2 - *Emissions from Stationary, Non-Road and Portable Internal Combustion Engines*]

34. Owner/Operator's use of *Architectural Coatings* at this facility shall comply with the requirements of Rule 1113, including the VOC limits specified in Rule 1113 and referenced in Appendix A.

CDM - Compliance with the VOC content limits of Rule 1113 shall be determined using Safety Data Sheet information and Rule 109 daily architectural coating usage records. Safety Data Sheets and Rule 109 daily

architectural coating usage records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 1113 - *Architectural Coatings*]

35. *Aerospace Assembly and Component Manufacturing Operations* at this facility shall comply with the requirements of Rule 1124, including the VOC limits specified in Rule 1124 and referenced in Appendix A.

    CDM - Compliance with the Rule 1124 VOC content limits and solvent use requirements shall be determined using Material Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1124 - *Aerospace Assembly and Component Manufacturing Operations*]
    [AVAQMD Rule 109 - *Recordkeeping For Volatile Organic Compound Emissions*]

36. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the requirements of Rule 1136, including the VOC limits specified in Rule 1136 and referenced in Appendix A.

    CDM - Compliance with the Rule 1136 VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1136 - *Wood Products Coatings*]
    [AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

37. Owner/Operator's use of *Plastic, Rubber and Glass Coatings* at this facility shall comply with the requirements of Rule 1145, including the VOC limits specified in Rule 1145. and referenced in Appendix A.

    CDM - Compliance with the Rule 1145 VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1145 - *Plastic, Rubber and Glass Coatings*]
    [AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

38. Owner/operator must comply with the requirements of District Rule 1146 - *Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters* as applicable for affected units rated 5 MMBtu/hour or greater.

CDM - Natural gas fuel through-put records and boiler tune up records shall be used to determine compliance Section (c) (1)
[AVAQMD Rule 1146 - *Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters*

39. Owner operator must comply with the requirements of District Rule 1146.1 - *Emissions Of Oxides Of Nitrogen From Small Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters* as applicable for affected units rated greater than 2 MMBtu/hour and less than 5 MMBtu/hour

CDM - Natural gas fuel through-put records and boiler tune up records shall be used to determine compliance Section (c) (1)
[AVAQMD Rule 1146.1 - *Emissions Of Oxides Of Nitrogen From Small Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters*

40. Owner/Operator's Polyester Resin Operations at this facility shall comply with the requirements of Rule 1162, including the Material and Process limits specified in Rule 1162 and referenced in Appendix

CDM - Compliance with the Material and Process limits of Rule 1162 shall be demonstrated through daily recording of the following information: (a) The manufacturer's name, the type and amount of each of the polyester resin materials used; (b) The weight (in percent) of monomer for all polyester resin materials, and, if adding VOC-containing materials to the polyester resin, the amount of VOC-containing materials, in grams, and the VOC content in grams per liter, of VOC-containing materials; (c) For vapor suppressed resins, a certificate from a resin manufacturer for each resin type; and (d) For closed-mold and pultrusion systems, the weight loss (in percent) of polyester resin materials for each application. If an emissions control system is used as a means of complying with Rule 1162 daily records of all key system parameters, including hours of operation, temperatures, pressures and flow rates, that are necessary to demonstrate compliance with control efficiency requirements shall also be maintained.
[AVAQMD Rule 1162 – Polyester Resin Operations]
[AVAQMD Rule 109 - Recordkeeping for Volatile Organic Compound Emissions]

41. *Adhesive Applications* at this facility shall comply with the requirements of Rule 1168, including the VOC limits specified in Rule 1168 and referenced in Appendix A .

CDM - Compliance with the Rule 1168 VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 1168 - *Adhesive Applications*]
[AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

42. Owner/Operator of this facility shall comply with the *Solvent Cleaning Operations* requirements of

AVAQMD Rule 1171 and referenced in Appendix A.

CDM - Compliance with the Rule 1171 VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Compliance with the cleaning device and methods requirements, requirement that solvent not be atomized unless directed to a control device, and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 1171 – *Solvent Cleaning Operations*]
[AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

43. All paint, coating, solvent, adhesive or resin containers including drums, buckets, cans, pails, trays or other application containers shall be kept closed when not in use. All paints, coatings, solvents, adhesives or resins used shall be stored in non-absorbent, non-leaking containers and all evidence of spilled material shall be cleaned up immediately. All cloth and paper moistened with VOC-containing paints, coatings, solvents, adhesives or resins shall be stored in closed, non-absorbent, non-leaking containers.

    CDM - Compliance with the requirement that all VOC-containing materials be stored in closed containers and that all cloth or paper moistened with VOC-containing material shall be stored in closed containers shall be determined during a quarterly spray booth/coating operation inspection. Inspection records, either paper or computerized and including the name of the person performing the inspection, the date and time of the inspection and the results and corrections, if any, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 442 – *Use of Solvents*
    [AVAQMD Rule 1107 - *Coating of Metal Parts and Products*]
    [AVAQMD Rule 1113 - -*Architectural Coatings*]
    [AVAQMD Rule 1124 - *Aerospace Assembly and Component Manufacturing Operations*]
    [AVAQMD Rule 1162 – *Polyester Resin Operations*]
    [AVAQMD Rule 1168 – *Adhesive Applications*]
    [AVAQMD Rule 1171- *Solvent Cleaning*]

    [40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subpart A, General Provisions, and Subpart GG, Aerospace Manufacturing and Rework Facilities. [40 CFR 63.741-63.753]

44. Facility shall comply with the applicable requirements of *Regulation XIII, New Source Review*.

    CDM - Compliance demonstration shall be through the retention of all permit applications, which shall be kept on-site and available for review at any time by District, State or Federal personnel.
    [Regulation XIII - *New Source Review*]

45. VOC emissions at this facility shall not exceed 118,625 pounds in any 30 day period based on a 30 day rolling average.

    CDM - Compliance demonstration shall be through maintaining a log of facility VOC emissions totals

for each consecutive 30-day period.
[Rule 1303 - *Requirements*]

46. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart GG, *Aerospace Manufacturing and Rework Facilities by the compliance dates specified in §63.749*
General Provisions Applicability to Subpart GG
(Final amendments to the NESHAP as of March 27, 1998)

1. General Provisions Applicability to Subpart GG. [63.743(a)] Table 1-- shows how aerospace sources are affected by the General Provisions of 40 CFR part 63, subpart A.
2. Requirement to submit a startup, shutdown, and malfunction plan, except for dry particulate filter systems operated per manufacturer's instructions. [63.743(b)]
3. Requirement to obtain approval to use control device or equipment not listed in the regulation. [63.743(c)]
4. Wastes subject to RCRA are exempt. [63.741(e)]
5. Space vehicles are exempt from the requirements, except for depainting operations. [63.741(h)].
6. Rework operations performed on antique aerospace vehicles or components are exempt. [63.741(j)].
Test Methods and Procedures
See individual requirements. Also, comply with §63.7 of the General Provisions. [63.749 & 63.750]
Monitoring Requirements
See individual requirements. Also, comply with §63.8(f) and (g) of the General Provisions. [63.751(e) and (f)]
Recordkeeping Requirements
See individual requirements. Also, comply with certain parts of §63.10 of the General Provisions. [63.752(a)]
Reporting Requirements
1. See individual requirements. Also, comply with certain parts of §63.9 and §63.10 of the General Provisions.
2. State approved operating permit application can be used for initial notification if submitted by September 1, 1997. [63.753(a)(2)]

Cleaning Operations
Housekeeping Measures:
1. Must comply with the following requirements unless the cleaning solvent used is identified in Table 1 of §63.744 or contains HAP and VOC below the de minimis levels specified in §63.741(f). [63.744(a)]
2. Place cleaning solvent-laden cloth, paper, or other absorbent applicators in bags or other closed containers upon completing their use. [63.744(a)(1)]
3. Store cleaning solvents (except semi-aqueous) in closed containers. [63.744(a)(2)]

Handwipe:
1. Except for cleaning of spray gun equipment, all hand-wipe cleaning solvents must meet a composition requirement (see Table 1 of § 63.744), have a composite vapor pressure #45 mm Hg at 20°C, or meet the 60 % volume reduction requirements specified in an alternative compliance

plan. [63.744(b)]
2. Note the list of 13 cleaning operations exempt from composition, vapor pressure, and volume reduction requirements. [63.744(e)]

Spray gun cleaning:
1. Use one of four specified techniques or their equivalent. [63.744(c)]
2. For enclosed spray gun cleaners, if leaks are found during the required monthly inspection, repair as soon as practicable, but within 15 days. [63.744(c)(1)(ii)]
3. If cleaning solvent solutions that contain HAP and VOC below the de minimis levels are used, those cleaning operations using such solutions are exempt from requirements. [63.744(c)]

Flush Cleaning:
Operating procedures specify emptying used cleaning solvent into enclosed container, collection system, or system with equivalent emission control. [63.744(d)]

Performance Test
Periods and Tests:
N/A

Test Methods And Procedures:
Handwipe
1. Composition determination using manufacturer's data. [63.750(a)]
2. Vapor pressure determination using readily available sources such as MSDS if single component; composite vapor pressure determined by manufacturer’s supplied data or ASTM E 260-91 and by equation provided for multiple component solvents. [63.750(b)]
Spray gun cleaning
None.
Flush cleaning
None.

Monitoring:
Handwipe
None
Spray gun cleaning Flush cleaning
Monthly visual leak inspection [63.751(a)]

Recordkeeping:
Handwipe
1. If complying with composition requirements, the name, data/calculations, and annual volumes. [63.752(b)(2)]
2. If complying with vapor pressure limit, the name, vapor pressure, data/calculations/test results, and monthly volumes. [63.752(b)(3)]
3. For noncompliant cleaning solvents used in exempt operations, the name, monthly volumes by operation, and master list of processes. [63.752(b)(4)]
Spray gun cleaning

Record all leaks, including source identification and dates leaks found and repaired. [63.752(b)(5)]
Flush cleaning
For semi-aqueous cleaning solvents, the name, data/calculations, and annual volumes. [63.752(b)(2)]

Reporting:
All applicable cleaning operations
Semiannual report: Statement certifying compliance. [63.753(b)(1)(v)]
Handwipe–Semiannual (6 months from the date of notification of compliance status)
1. Noncompliant cleaning solvent used. [63.753(b)(1)(i)]
2. New cleaning solvents and their composite vapor pressure or notification of compliance with composition requirements. [63.753(b)(1)(ii)]
Spray gun cleaning--Semiannual (6 months from the date of notification of compliance status)
1. Noncompliant spray gun cleaning method used. [63.753(b)(1)(iii)]
2. Leaks from enclosed spray gun cleaners not repaired within 15 days. [63.753(b)(1)(iv)]
Shaded areas with bold italics indicate final amendments to the NESHAP as of March 27, 1998

Primer and Topcoat Application Operations Standards:
Uncontrolled Primers
1. Organic HAP and VOC content limit: 350 grams per liter (g/L) (2.9 lb/gal less water for HAP; and less water and exempt solvents for VOC) as applied. [63.745(c)(1)-(2)]
2. Achieve compliance through: (1) using coatings below content limits, or (2) using monthly volume-weighted averaging (primers only) to meet content limits. [63.745(e)]

Uncontrolled Topcoats (including self-priming topcoats)
3. Organic HAP and VOC content limit: 420 g/L (3.5 lb/gal less water for HAP; and less water and exempt solvents for VOC) as applied. [63.745(c)(3)-(4)]
4. Same as No. 2 (above) except for topcoats only.

Controlled Primers and Topcoats (including self-priming topcoats)
5. Control system must reduce organic HAP and VOC emissions to the atmosphere 81%, using capture and destruction/removal efficiencies. [63.745(d)]

All Primers and Topcoats
6. Minimize spills during handling and transfer. [63.745(b)]
7. Specific application techniques must be used. [63.745(f)(1)]
8. Exemptions from No. 7 (above) provided for certain situations. [63.745(f)(3)]
9. All application equipment must be operated according to manufacturer's specifications, company procedures, or locally specified operating procedures (whichever is most stringent). [63.745(f)(2)]
10. Operating requirements for the application of primers or topcoats that contain inorganic HAP, including control with either particulate filters (see Tables 1 through 4 of § 63.745) or waterwash system. Painting operation(s) must be shutdown if operated outside manufacturer's specified limits. [63.745(g)(1) through (3)]
11. Exemptions from No. 10 (above) provided for certain application operations. [63.745(g)(4)]

Performance Test Periods and Tests:
Uncontrolled
1. Performance Test Period for coatings not averaged: each 24 hour period; for "averaged" coatings: each 30-day period. [63.749(d)(1)]
Controlled
2. Performance Test Period for noncarbon adsorber: three 1-hour runs; for carbon adsorber: each rolling material balance period. [63.749(d)(1)]
3. Initial performance test required for all control devices to demonstrate compliance with overall control efficiency requirement. [63.749(d)(2)]

Test Methods and
Procedures:
Organic HAP
1. Organic HAP level determination procedures. [63.750(c) and (d)]
2. VOC level determination procedures. [63.750(e) and (f)]
3. Overall control efficiency of carbon adsorber system determined using provided procedures; for other control devices, determine capture efficiency and destruction efficiency. For capture efficiency, use Procedure T in Appendix B to 40 CFR 52.741 for total enclosures and 40 CFR 52.741(a)(4)(iii) procedures for all other enclosures. [63.750(g) and (h)]
4. For alternative application methods, first determine emission levels for initial 30-day period or five aircraft using only HVLP or electrostatic, or a time period specified by the permitting agency. Then use alternative application method for period of time necessary to coat equivalent amount of parts with same coatings. Alternative application method may be used when emissions generated during the test period are less than or equal to the emissions generated during the initial 30-day period or five aircraft. Dried film thickness must be within specification for initial 30-day period or five aircraft as demonstrated under actual production conditions. [63.750(i)]

Inorganic HAP
5. Dry particulate filter certification: use Method 319 to meet or exceed the efficiency data points in Tables 1 and 2 of § 63.745 for existing sources, or Tables 3 and 4 of § 63.745 for new sources [63.750(o)]

Monitoring:
1. Carbon adsorbers. [63.751(b)(1) through (7)]
2. Temperature monitoring equipment to be installed, calibrated, maintained, and operated - according to manufacturer's specifications. Use CEMS as an alternative. [63.751(b)(8)]
3. Incinerators. [63.751(b)(9) through (12)]
4. Dry particulate filters and waterwash systems. [63.751(c)]
5. Alternate monitoring method. [63.751(e)]

Recordkeeping:
1. Name and VOC content as received and as applied for all primers and topcoats. [63.752(c)(1)]
Uncontrolled
2. For "compliant" coatings, organic HAP and VOC contents as applied, data/calculations and test

results used to determine HAP/VOC contents (Hi and Gi), and monthly usage. [63.752(c)(2)]
3. For "low-HAP content" primers, annual purchase records, and data/calculations and test results used to determine Hi or HAP/VOC content as applied. [63.752(c)(3)]
4. For "averaged" coatings, monthly volume-weighted average values of HAP/VOC content (Ha and Ga), and data/calculations and test results used to calculate Ha and Ga. [63.752(c)(4)]
Controlled
5. For incinerators, overall control efficiency test results/data/calculations used in determining the overall control efficiency; and continuous records of incinerator temperature(s). [63.752(c)(5)]
6. For carbon adsorbers, overall control efficiency and length of rolling period and all supporting test results/data/calculations used in determining the overall control efficiency. [63.752(c)(6)]
Inorganic HAP Particulate
7. Pressure drop across filter or water flow rate through waterwash system once per shift, and acceptable limits. [63.752(d)(1) through (3)]

Reporting:
Semiannual (6 months from the date of notification of compliance status)
1. All instances where organic HAP/VOC limits were exceeded. [63.753(c)(1)(i) and (ii)]
2. Control device exceedances (out-of-compliance). [63.753(c)(1)(iii), (iv), and (v)]
3. Periods when operation not immediately shut down when the pressure drop or water flow rate was outside limits. [63.753(c)(1)(vi)]
4. Statement certifying compliance. [63.753(c)(1)(vii)]
Annual (12 months from the date of notification of compliance status)
5. Number of times the pressure drop or water flow rate limits were exceeded. [63.753(c)(2)]

Depainting Operations Requirements:
Exemptions:
1. Facilities depainting 6 or less completed aerospace vehicles per calendar year. [63.746(a)]
2. Depainting of parts or units normally removed from the plane for depainting (except wings and stabilizers). [63.746(a)(1)]
3. Aerospace vehicles or components intended for public display, no longer operational, and not easily capable of being moved. [63.746(a)(2)]
4. Depainting of radomes and parts, subassemblies, and assemblies normally removed from the primary aircraft before depainting. [63.746(a)(3)]

Standards:
1. Zero organic HAP emissions from chemical strippers or softeners. [63.746(b)(1)]
2. Minimize inorganic HAP emissions when equipment malfunctions. [63.746(b)(2)]
3. Facility (average) allowance for spot stripping and decal removal: 26 gallons of strippers or 190 pounds of HAP per commercial aircraft per year; and 50 gallons of strippers or 365 pounds of HAP per military aircraft per year. [63.746(b)(3)]
4. Follow operating requirements for depainting operations generating airborne inorganic HAP. [63.746(b)(4)]
5. Mechanical and hand sanding are exempt from requirements of §63.746(b)(4). [63.746(b)(5)]
6. Control HAP emissions at 81% efficiency for systems installed before effective date (September 1, 1995), and 95% efficiency for newer systems. [63.746(c)]

Performance Test Periods and Tests:
Organic HAP
1. Initial performance test of all control devices is required to demonstrate compliance with overall control efficiency requirement. [63.749(f)(1), (f)(2), and (f)(3)]
2. Performance Test Period for noncarbon adsorber, three 1-hour test runs; for carbon adsorber, each rolling material balance period. [63.749(f)(1)]
3. Test period for spot stripping and decal removal usage limits: each calendar year. [63.749(f)(1)]
Inorganic HAP
4. Operating requirements specified in § 63.746(b)(4). [63.749(g)]

Test Methods and Procedures:
Organic HAP
1. Overall control efficiency of carbon adsorber system may be determined using specified procedures and equations 9 through 14; for other control devices, must determine capture and destruction efficiencies (use equations 15 through 18 to calculate overall control efficiency). For capture efficiency, use Procedure T in Appendix B to 40 CFR 52.741 for total enclosures and 40 CFR 52.741(a)(4)(iii) procedures for all other enclosures. [63.750(g) and (h)]
2. Spot stripping and decal removal: Procedures are provided for determining volume of chemical strippers (equation 20) or weight of organic HAP used per aircraft (equation 21). [63.750(j)]

Inorganic HAP
3. Dry particulate filter certification: use Method 319 to meet or exceed the efficiency data points in Tables 1 and 2 of § 63.745 for existing sources or Tables 3 and 4 of § 63.745 for new sources. [63.750(o)]

Monitoring:
Continuously monitor the pressure drop across filters, or the water flow rate through the waterwash system and read and record the pressure drop, or the water flow rate for waterwash system, once per shift. [63.751(d)]

Recordkeeping:
1. Name and monthly volumes of each chemical stripper used or monthly weight of organic HAP used in chemical strippers. [63.752(e)(1)]
2. For controlled chemical strippers (carbon adsorber), overall control efficiency and length of rolling period and all supporting test results/data/calculations; certification of the accuracy of the device. [63.752(e)(2)]
3. For controlled chemical strippers (other control devices), overall control efficiency and supporting test results/data/calculations. [63.752(e)(3)]
4. List of parts/assemblies normally removed. [63.752(e)(4)]
5. For nonchemical based equipment, name and type, and malfunction information including dates, description, and alternative methods used. [63.752(e)(5)]
6. For spot stripping and decal removal, volume of stripper or weight of organic HAP used,

annual number of aircraft stripped, annual average volume or weight per aircraft, and all data/calculations used to calculate volume or weight per aircraft. [63.752(e)(6)]
7. Pressure drop across filter or the visual continuity of the water curtain and water flow rate for waterwash systems, once per shift and include acceptable limits. [63.752(e)(7)]

Reporting:
Semiannual (6 months from the date of notification of compliance status)
1. 24-hour periods where organic HAP were emitted from depainting operations. [63.753(d)(1)(i)]
2. New/reformulated chemical strippers and HAP contents. [63.753(d)(1)(ii), (iii), and (iv)]
3. New nonchemical depainting techniques. [63.753(d)(1)(v)]
4. Malfunction information on nonchemical depainting techniques including dates, description, and alternative methods used. [63.753(d)(1)(vi)]
5. Periods when operation not immediately shut down when the pressure drop or water flow rate was outside limits. [63.753(d)(1)(vii)]
6. List of new/discontinued aircraft models and, for new models, list of parts normally removed for depainting. [63.753(d)(1)(viii)]
7. Organic HAP control device exceedances. [63.753(d)(3)]
8. Statement certifying compliance. [63.753(d)(1)(ix)]

Annual (12 months from the date of notification of compliance status)
9. Exceedances of average annual volume or weight allowance for spot stripping and decal removal. [63.753(d)(2)(i)]
10. Number of times the pressure drop or water flow rate limits were exceeded. [63.753(d)(2)(ii)]

Maskant Operations Requirements:
Standards:
Minimize spills during handling and transfer. [63.747(b)]
Uncontrolled Maskants.
1. Organic HAP emissions: #622 g/l (5.2 lb/gal) (less water) as applied for Type I; # 160 g/L (1.3 lb/gal) (less water) as applied for Type II. [63.747(c)(1)]
2. VOC emissions: #622 g/l (5.2 lb/gal) (less water and exempt solvents) as applied for Type I, #160 g/L (1.3 lb/gal) (less water and exempt solvents) as applied for Type II. [63.747(c)(2)]
3. Exemption for touch-up of scratched surfaces, damaged maskant, and trimmed edges. [63.747(c)(3)]
4. Comply by either: (1) using maskants below content limits, or (2) using monthly volume weighted averaging provisions described in §63.743(d). [63.747(e)]
Controlled Maskants
5. If control device is used, system must capture and control all emissions from maskant operation and must achieve an overall control efficiency of at least 81%. [63.747(d)]

Performance Test Periods and Tests:
Uncontrolled
1. Performance Test Period for maskants that are not averaged, each 24-hour period; for maskants that are averaged, each 30-day period (unless otherwise specified). [63.749(h)(1)]

Controlled
2. Performance Test Period for noncarbon adsorber, three 1-hour test runs; for carbon adsorber, each rolling material balance period. [63.749(h)(1)]
3. Initial performance test required for all control devices to demonstrate compliance with overall control efficiency requirement. [63.749(h)(2)]

Test Methods and Procedures:
1. Organic HAP level determination procedures. [63.750(k) and (l)]
2. VOC level determination procedures. [63.750(m) and (n)]
3. Overall control efficiency of carbon adsorber system determined using specified procedures and equations 9 through 14; for other control devices, determine capture and destruction efficiencies (use equations 15 through 18 to calculate overall control efficiency). For capture efficiency, use Procedure T in Appendix B to 40 CFR 52.741 for total enclosures and 40 CFR 52.741(a)(4)(iii) procedures for all other enclosures. [63.750(g) and (h)]

Monitoring:
1. Incinerators and carbon adsorbers: temperature sensors with continuous recorders for incinerators; and install, calibrate, maintain, and operate temperature monitors according to manufacturer's specifications. Use CEMS as an alternative. [63.751(b)]

Recordkeeping:
Uncontrolled Maskants
1. For maskants not averaged, mass of organic HAP and VOC emitted per unit volume of chemical milling maskant (less water for HAP; and less water and exempt solvents for VOC) (Hi and Gi); all data, calculations, and test results; monthly volumes of each maskant. [63.752(f)(1)]
2. For "averaged" maskants, monthly volume-weighted average mass of organic HAP or VOC emitted per unit volume of chemical milling maskant as applied (less water for HAP; and less water and exempt solvents for VOC) (Ha and Ga); all data, calculations, and test results. [63.752(f)(2)]

Controlled Maskants
3. For carbon adsorbers, overall control efficiency and length of rolling period and all supporting test results/data/calculations used in determining the overall control efficiency; certification of the accuracy of the device that measures the amount of HAP or VOC recovered. [63.752(f)(3)]
4. For incinerators, overall control efficiency; test results, data, and calculations used in determining the overall control efficiency; length of rolling material balance period with data and calculations; record of certification of the accuracy of the device that measures amount of HAP or VOC recovered; or record of carbon replacement time for nonregenerative carbon adsorbers; and incinerator temperature(s). [63.752(f)(4)]

Reporting:
Semiannual (6 months from the date of notification of compliance status)

1. Exceedances of organic HAP/VOC limits. [63.753(e)(1) and (2)]
2. Control device exceedances (out of compliance). [63.753(e)(3)]
3. New maskants. [63.753(e)(4)]
4. New control devices. [63.753(e)(5)]
5. Statement certifying compliance. [63.753(e)(6)]

CDM - Compliance with the 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants,* subpart A, *General Provision*s, and subpart GG, *Aerospace Manufacturing and Rework Facilities* VOC content limits and solvent use requirements shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109. Compliance with the transfer efficiency requirements and rule exemption limits shall be determined using recordkeeping required pursuant to Rule 109. Compliance with Organic and Inorganic HAP emission limits from primer and topcoat coating operations shall be determined using recordkeeping required pursuant to Rule 109. Compliance with non chemical depainting operations exemption shall be determined by quantifying the number of aircraft depainted per year. Compliance with operations and maintenance requirements determined through facilities operation and maintenance plan. Records either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel
[40 CFR 63.741-63.753]

47. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters.*

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (you may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the burner inspection until the first outage, not to exceed 36 months from the previous inspection. At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (you may delay the inspection until the next scheduled unit shutdown). Units that produce electricity for sale may delay the inspection until the first outage, not to exceed 36 months from the previous inspection;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject;

(v) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

(vi) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of this section,

(A) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

(B) A description of any corrective actions taken as a part of the tune-up; and

(C) The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

CDM – Compliance with 40 CFR *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters* shall be demonstrated through emissions compliance testing, the sole use of gaseous fuels, and records of initial notification.
[40 CFR 63.7480-63.7575]

48. Owner/Operator shall comply with all applicable provisions of 40 CFR 60 Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

49. Owner/Operator shall comply with all applicable provisions of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants, subpart A, General Provisions, and Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines

50. Owner/Operator shall comply with all applicable provisions of 40 CFR 60, Standards of Performance for New Stationary Sources, subpart A, General Provisions, and Subpart IIII, Stationary Compression Ignition Engines

51. Owner/Operator shall comply with all applicable provisions of 40 CFR 60, Standards of Performance for New Stationary Sources, subpart A, General Provisions, and Subpart JJJJ, Stationary Spark Ignition Internal Combustion Engines

52. The facility shall not emit more than a combined total of 14.9 tons of particulate matter of 10 microns or less in aerodynamic diameter (PM_{10}) from all permitted sources in any twelve (12) consecutive month period.

    CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the PM_{10} emissions from every permitted piece of equipment are recorded and that the total PM_{10} emissions during the previous 12 month period remain below the 14.9 ton per year limit. Records of these 12 month rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1303 – *Requirements*]

53. Owner/Operator shall comply with all requirements of AVAQMD Rule 3011 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in AVAQMD Rule 3011(D)(1), for a Federal Operating Permit.
[Approval Pending: AVAQMD Rule 3011 - Greenhouse Gas Provisions of Federal Operating Permits;]

B. FACILITY-WIDE MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

1. Operator shall keep adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. SDS for all coatings, solvents, adhesives and other materials used in these operations shall be kept current, on-site, and provided to AVAQMD personnel upon request.

   CDM - Compliance with the VOC limits shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109 and referenced in Appendix A. Material Safety Data Sheets and Rule 109 records, either paper or computerized, shall be shall be kept on-site and available for review at any time by District, State or Federal personnel.
   [AVAQMD Rule 109 - *Recordkeeping For Volatile Organic Compound Emissions*]

2. Owner/Operator of permit units subject to Comprehensive Emissions Inventory Report / Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record for each unit the cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.

   CDM - Compliance demonstration shall be through the retention of fuel use records. Annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records. Records shall be kept on-site and available for review at any time by District, State or Federal personnel.
   [40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements] (*for Periodic Monitoring Requirements; see Part II and Part III conditions)
   [Regulation 204 – *Permit Conditions*]
   [Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]
   [California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

3. Any data and records required to be generated and/or kept by any portion of this permit shall be kept current and on site for a minimum of five (5) years from the date generated pursuant to Title V Program requirements and shall be provided to District, State, or Federal personnel upon request.
   [40 CFR 70.6(a)(3)(ii)(B); Rule 3003(D)(1)(d)(ii) & (D)(1)(f)(viii)]

4. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's Compliance Test Procedural Manual. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the District's Compliance Test Procedural Manual. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.
   [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (for Periodic Monitoring Requirements; see

Part II and Part III conditions)

5. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.
[Rule 3003(D)(1)(e)(ii)]

   Prompt reporting shall be determined as follows:

   a. For deviations involving excess emissions of air contaminants, but not including those caused by a breakdown and reported pursuant to Rule 430 {Part IV Condition 13], prompt reporting shall be within ten days of the occurrence of the excess emission or within ten days of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District within sixty (60) days of the date the excess emission was reported to the District.

   b. For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [Rule 3003(D)(1)(e)(i)]
   [40 CFR 70.6(c)(2)(iv); Rule 3003(D)(1)(g)(iv)]

6. If any equipment is determined to not be in compliance with any federally-enforceable requirement during the 5 year permit term, the Owner/Operator shall obtain a Schedule of Compliance approved by the District Hearing Board pursuant to the requirements of AVAQMD Regulation 5 (Rules 501 - 518). In addition, the Owner/Operator shall submit a Progress Report on the implementation of the Schedule of Compliance. The Schedule of Compliance shall contain the information outlined in (b), below. The Progress Report shall contain the information outlined in (c), below. The Schedule of Compliance shall become a part of this Federal Operating Permit by administrative incorporation. The Progress Report and Schedule of Compliance shall comply with Rule 3001(I)(3) and shall include:

   a. A narrative description of how the facility will achieve compliance with such requirements; and

   b. A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and

   c. *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and

any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.
[Rule 3001 (I)(3)]
[AVAQMD Rule 430 - *Breakdown Provisions*]

7. If the Owner/Operator is operating pursuant to a Schedule of Compliance contained herein then the Owner/Operator shall submit a Progress Report regarding that Schedule of Compliance on a semiannual [6 month] basis unless a shorter time is set forth in the Schedule of Compliance itself.
[40 CFR 70.6(c)(5)(i); Rule 3003(D)(1)(g)(vi)]

8. Owner/Operator shall submit, on a semi-annual basis, a *Monitoring Report* to the Air Pollution Control Officer (APCO) / District pursuant to AVAQMD Rule 3003. Each *Monitoring Report* shall be submitted each semi-annual compliance period on the following schedule:

Report covering January 1 – June 30	Due by July 31
Report covering July 1 – December 31	Due by January 31

This *Monitoring Report* shall be certified to be true, accurate, and complete by "The Responsible Official" and shall include the following information and/or data:

(a) Summary of deviations from any federally enforceable requirement in this permit.

(b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.

(c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by AVAQMD.
[Rule 3003 (D)(1)(e)(i); and 3003 (D)(1)(c)(i - iii)]

9. On an ***annual*** basis, of any given year, Owner/Operator shall submit an *Annual Compliance Certification Report*, to the APCO/District pursuant to AVAQMD Rule 3003. This report shall identify each Applicable Requirement / federally-enforceable requirement in this permit, the compliance status of each subject process unit, whether the compliance was continuous or intermittent since the last certification, and the method(s) used to determine or monitor compliance. Each report shall be certified to be true, accurate, and complete by "The Responsible Official" and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator. Compliance Certification Form/Format shall be approved from AVAQMD.

Report covering January 1 – December 31	Due by January 31

[Rule 3003 (D)(1)(g)(vii - x:)]

10. Per mutual agreement between facility Owner/Operator and the AVAQMD, all compliance reports

required by any applicable federal standard listed in this permit shall be submitted concurrently with the Monitoring of Deviation report as specified below.

Report covering January 1 – December 31	Due by January 31

[40 CFR 63.9 (i)(1)(ii)(2) and 63.10 (6)]

11. Owner/Operator shall comply with any additional certification requirements as specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated thereunder.
[Rule 3003 (D)(1)(g)(x)]

C. FACILITY-WIDE COMPLIANCE CONDITIONS:

1. The Owner/Operator shall allow an authorized representative of the AVAQMD to enter the permit holder's premises where a source is located, an emissions-related activity is located, or where records are kept, at reasonable times, with or without notice.
[40 CFR 70.6(c)(2)(i); AVAQMD Rule 3003(D)(1)(g)(i)]

2. The Owner/Operator shall allow an authorized representative of the AVAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.
[40 CFR 70.6(c)(2)(ii); AVAQMD Rule 3003(D)(1)(g)(ii)]
3. The Owner/Operator shall allow an authorized representative of the AVAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.
[40 CFR 70.6(c)(2)(iii); AVAQMD Rule 3003(D)(1)(g)(iii)]

4. The Owner/Operator shall allow an authorized representative of the AVAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any applicable requirement.
[40 CFR 70.6(c)(2)(iv); AVAQMD Rule 3003(D)(1)(g)(iv)]

5. Owner/Operator shall remain in compliance with all applicable requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Except as to district- or state-only requirements, any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.
[AVAQMD Rule 3003 (D)(1)(f)(ii)]

6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally enforceable requirements that become effective during the term of this permit.
[AVAQMD Rule 3001 (I)(2)]

7. Owner/Operator shall comply with the applicable provisions of 40 CFR 61, *National Emission Standards*

for Hazardous Air Pollutants, Subpart A, *General Provisions*, and Subpart M, *Asbestos*.

CDM - Compliance demonstration shall be through the retention of records demonstrating that the training required pursuant to 40 CFR 61.145 (c)(8) has been completed. Training records shall be kept on-site and available for review at any time by District, State or Federal personnel.
[40 CFR 61, Subparts A and M]

8. Owner/Operator shall notify APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145.b of 40 CFR 61 Subpart M, *National Emission Standard for Asbestos*.

   CDM - Compliance demonstration shall be through the retention of all notifications, which shall be kept on-site and available for review at any time by District, State or Federal personnel.
   [40 CFR 61.145.b]

9. Owner/Operator shall comply with the applicable provisions of 40 CFR 61 Subpart M National Emission Standards for Asbestos.
   [40 CFR 61 Subparts A and M]

   CDM - Compliance demonstration shall be through the retention of all annual submittals, which shall be kept on-site and available for review at any time by District, State or Federal personnel.
   [40 CFR 61.145.b]

PART III
EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS FOR SITE 3 AND SITE 4, SITE 7, AND SITE 8

EQUIPMENT LOCATED AT SITE 3

A. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEMS; AVAQMD PERMIT #'S A006778 AND A006784:

1. Discharge from this operation to the air outside the building in which the unit is normally used shall be limited to an opacity of 40% (Ringelmann 2 equivalent) for no more than 3 minutes in any one hour period. A CARB VEE shall be performed by the o/o if emissions are observed with an opacity at or above 40% (Ringelmann 2 equivalent) or upon public complaint.
[AVAQMD Rule 1140(b)(1)]

2. Equipment shall be operated within enclosed buildings at Air Force Plant 42 Sites 3 and 4.
[AVAQMD Rule 1140(b)(4)]

3. The use of sand as an abrasive blasting media in this equipment is prohibited.
[AVAQMD Rule 204]

4. The blast nozzles shall not be operated unless it is vented to air pollution control equipment which has been issued a permit to operate by the district. Compliance shall be demonstrated with a log containing information as specified in permit C006781.
[AVAQMD Rule 1140(b)(1)]

5. Mechanical gauge shall be installed and maintained on the dust collectors so as to indicate, in inches water column, the static pressure differential across the filters.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 -CAM]

6. Each exhaust filter pressure gauge shall be monitored at least once per shift while the equipment is operating unless the equipment did not operate during the shift; and, as necessary, the exhaust filter shall be replaced according to the manufacturer's specifications.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 -CAM]

CDM A – A log shall be maintained containing pressure differential recordings
The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 -CAM]

CDM B – Compliance with condition 4 shall be demonstrated with a log containing information as specified in permit C006781. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal

personnel.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 -CAM]

7. This equipment shall be in compliance with rule 1140.

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. The facility shall not emit more than a combined total of 14.9 tons of particulate matter of 10 microns or less in aerodynamic diameter (PM10) from all permitted sources in any twelve (12) consecutive month period. [Rule 1303]

   CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the PM10 emissions from every permitted piece of equipment are recorded and that the total PM10 emissions during the previous 12 month period remain below the 14.9 ton per year limit. Records of these 12 month rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.
   [AVAQMD Rule 1303 -– Requirements]]

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

11. This equipment shall comply with all the applicable requirements of this facility s current Federal Operating Permit including Part II - Facilitywide Applicable Requirements.

B. <u>CONDITIONS APPLICABLE TO THREE NATURAL GAS FUELED BOILERS; AVAQMD PERMIT #'S B007857, B007858 AND B007859:</u>

1. This equipment shall be fired only on natural gas.
   [AVAQMD Rule 431.1(c)(1)]

2. These boilers shall be equipped with a non-resettable totalizing fuel flow meter.
   [AVAQMD Rule 1146(c)(5)]

3. These units shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):

a. NOx less than 9 ppmvd; and
b. CO less than 50 ppmvd;
[AVAQMD Rule 1303-BACT; AVAQMD Rule 1146]

4. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
[AVAQMD Rule 1146(c)(2)]

5. The following records shall be kept:
a. Monthly year fuel consumption
[40 CFR part 60 subpart Dc];
b. Boiler tuneup reports and records.
[AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

CDM A –Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

6. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

7. This equipment shall comply with all the applicable requirements of this facility s current Federal Operating Permit including Part II - Facilitywide Applicable Requirements.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

9. Owner/operator shall conduct an initial compliance test on this unit to verify the emission limits of Condition 3 above. Compliance test shall be carried out in accordance with the test methods defined below and the District Compliance Test Procedural Manual. The test shall be conducted within 90 days of initial operation and test results shall be submitted not later than 45 days after completion of the test. O/o shall notify the District in writing 10 days prior to testing so that a District observer may be present during test.
NOx: CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval)
CO: CARB Method 10 (or equivalent method with prior District approval)
[District Rule 1303; District Rule 1146]

C. CONDITIONS APPLICABLE TO DIESEL IC ENGINE, PORTABLE GENERATOR, AVAQMD PERMIT # B010679

1. This portable EPA Tier 3 compression-ignited internal combustion engine shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 204]

2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
[AVAQMD Rule 1110.2(B)(8)]
[Title 17 CCR 93116.2(bb)]

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements.
[AVAQMD Rule 431.2 and Title 17 CCR §93116.3(a)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[AVAQMD Rule 1110.2(F)]
[Title 17 CCR 93116.4(c)(2)(A)]

5. This engine shall not be operated for more than 16 hours in any calendar day and not more than 1000 hours in any calendar year.
[AVAQMD Rule 1302 and AVAQMD Rule 204]

CDM A – Compliance with conditions 1-4 shall be demonstrated with a log containing the date and duration (in hours) of each use, the location of each use, the reason for use, the cumulative annual hours of operation, the cumulative annual fuel consumption (in gallons) and the fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

District/State-Only Enforceable Section

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date of each use and duration of each use (in hours);
   b. Reason for use (Regular use, testing & maintenance, emergency, required emission testing);

c. Monthly and annual operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
f. Location of operation, in latitude/longitude, accurate to 5 decimal places.

[District Rule 1302; 1401; Title 17 CCR 93116.4(c)]

7. Except as provided in section 93116.3(c)(2), engines may not operate in California on or after the dates listed in the following schedule:

Engine Certification	Engines rated 50 to 750 bhp, LARGE FLEET	Engines rated 50 to 750 bhp, SMALL FLEET	Engines rated >750 bhp
Tier 1	1/1/2020	1/1/2020	1/1/2022
Tier 2 built prior to 1/1/2009	NA	NA	1/1/2027
Tier 3 built prior to 1/1/2009	1/1/2025	1/1/2027	NA
Tier 3 built on or after 1/1/2009	1/1/2027	1/1/2029	NA

Fleets complying with the schedule listed above must include all portable diesel-fueled engines operated in California, including engines registered with the Statewide Portable Equipment Registration Program or permitted by or registered with a district.

A LARGE FLEET has a total maximum horsepower over 750 bhp for all portable engines under common ownership and control of a fleet on June 30, 2019.

A SMALL FLEET has a total maximum horsepower of 750 bhp or less for all portable engines under common
ownership and control of a fleet on June 30, 2019.
[Title 17 CCR 93116.3]

8. This engine is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.
[District Rule 1302; Title 17 CCR 93116]

9. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of

these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

10. The facility shall not emit more than a combined total of 14.9 tons of particulate matter of 10 microns or less in aerodynamic diameter (PM10) from all permitted sources in any twelve (12) consecutive month period. [Rule 1303]

    CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the PM10 emissions from every permitted piece of equipment are recorded and that the total PM10 emissions during the previous 12 month period remain below the 14.9 ton per year limit. Records of these 12 month rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1303 -– Requirements]]

11. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

D. CONDITIONS APPLICABLE TO PRIME POWER PROPANE IC ENGINE, AVAQMD PERMIT # B013434

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) and air/fuel ratio controller shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines Section 60.4243; District Rule 1302]

2. This unit shall be fired on Liquified Petroleum Gas (LPG) fuel with a Sulfur content of less than 185 ppmw.
   Note: Use of Commercial Grade Liquified Petroleum Gas satisfies this requirement.
   [40 CFR 60.4243, District Rule 431]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
   [40 CFR 60.4237, District Rule 1110.2]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Monthly fuel usage in cubic feet or gallons;
   b. Monthly and calendar year operation in terms of total hours;
   c. Initial and periodic Differential pressure readings across the catalytic converter (see Condition #10),

and

d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the catalytic converter.

[40 CFR 60.4245, 40 CFR 1048, District Rule 1110.2]

5. The Air-to-Fuel Ratio Controller shall be used in conjunction with the control device, and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
   [40 CFR 60.4243]

6. In the event that the Three-Way Catalytic Converter is replaced, the new (replacement) Catalytic Converter must be of the same Manufacturer and model designation and it must be installed by Factory Certified personnel to avoid follow-on source testing.

   If the Manufacturer or the Model designation of the new (replacement) catalytic converter is not identical to the original catalytic converter or if the unit is not installed by Factory Certified personnel, then the engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 within 90 days after the catalytic converter replacement. The source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):

   a. NOx + NMHC: 0.05 g/bhp-hr
   b. CO: 0.16 g/bhp-hr

   [40 CFR 60.4243, 40 CFR 60.4244, District Rules 1302]

7. The differential pressure across the catalytic converter must be measured and recorded at intervals not to exceed 1,000 hours since the most recent previous reading. If the engine runtime exceeds the 1,000 hour interval, it must be shut down until a differential pressure reading is properly taken and recorded.
   [District Rules 204 and 1302]

8. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ). In the event of conflict between these conditions, District Rules and/or the NSPS, the more stringent shall govern.
   [District Rule 1302]

9. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

10. A facility wide Comprehensive Emission Inventory Report (CEIR) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

    CDM A – Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

E. CONDITIONS APPLICABLE TO PAINT CURING OVEN, AVAQMD PERMIT # B014376:

1. The maximum operating temperature shall not exceed 500 degrees Fahrenheit. [AVAQMD Ruled 1303 & 1401]

2. The oven must be inspected periodically to ensure it is maintained in good operating condition. Inspection records can be either a paper log or computerized Plant Engineering Preventive Maintenance (e.g. Maximo) record. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify oven temperature (either a circular chart or paper log). Oven inspection records can be either computerized (Plant Engineering Preventive Maintenance (e.g. Maximo) or paper log. All records either paper or computerized shall be kept on-site and made available for review upon request by the District, State, or Federal personnel.

3. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
   [Rule 1303]
   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

4. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

F. CONDITIONS APPLICABLE TO PAINT/DEPAINT HANGAR; AVAQMD PERMIT # C006781:

1. Dust collected in the primary and secondary collection sections shall be discharged into closed containers. Both primary and secondary filters shall be changed when at least 100,000 square feet of aircraft have been depainted.
   [AVAQMD Rule 204]

2. CDM A – Compliance shall be demonstrated with either a log containing the information listed below,

or other equivalent method.

a. The owner/operator O/O, shall provide to the District upon request the total number of aircraft depainted in any calendar year.

b. Should more than 6 aircraft be depainted in any calendar year within Bldg. 333, the owner/operator will be subject to all of the recordkeeping and reporting requirements specified in 40CFR 63 Subpart GG.

c. The owner/operator O/O will record the pressure drop across the filters each shift during depainting operations. Records shall be either paper or computerized for the pressure drop.

d. VOC-containing material used within Bldg. 333 will be recorded in accordance with AVAQMD Rule 109.

The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

3. Motor Assembly Binks Model #AX260L-7, Pump and Assembly Binks Model #MX10070PU-CAK, Gun Assembly Binks Airless #75 and 3/8" Hose Assembly Binks Model #03154691, operated and maintained according to manufacturer's specifications, when used in conjunction with 163-519 Spray Tip, to apply Solvent Kleene D-ZOLVE 1533R and Cee Bee E3000M paint stripper pursuant to District letter dated 01/31/2017 is deemed HVLP equivalent and shall only be operated within control device with District Permit # C006781 and S006766.
[AVAQMD Rule 204]

4. This equipment shall comply with all the applicable requirements of this facility s current Federal Operating Permit including Part II - Facilitywide Applicable Requirements.

5. The o/o shall provide particulate matter emissions from this equipment on the Comprehensive Emission Inventory Report (CEIR).

6. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average . [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

7. The facility shall not emit more than a combined total of 14.9 tons of particulate matter of 10 microns or

less in aerodynamic diameter (PM10) from all permitted sources in any twelve (12) consecutive month period. [Rule 1303]

CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the PM10 emissions from every permitted piece of equipment are recorded and that the total PM10 emissions during the previous 12 month period remain below the 14.9 ton per year limit. Records of these 12 month rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.
[AVAQMD Rule 1303 -– Requirements]

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

G. CONDITIONS APPLICABLE TO SIX STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT #'S E006771 AND E006782:

1. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17CCR93115.4(a)(8) or an alternative fuel that meets the requirements of 17CCR93115.5(b)(2-6).
[17CCR93115.5(b)]

2. An operational non-resettable four-digit (9,999) totalizing time meter, and a non-resettable fuel meter or acceptable alternative, shall be installed and maintained on this unit.
[17CCR93115.10(d) and 40CFR63.6625(e)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 20 hour per year limit.
[17CCR93115.6(b)(3)]

4. The hour limits indicated in Condition 3 above do not apply to in-use emergency fire pump assemblies that are driven directly to stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems".
[17CCR93115.3(n)]

5. This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ. Pursuant to this regulation the equipment shall demonstrate continuous compliance by committing to a maintenance schedule that includes the following:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first;1

   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as

necessary; and

c. Inspect hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

1. Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement of this subpart. [40CFR63.6603(a) and Table 2d]

If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

6. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
[40CFR63.6625(h) and Table 2d]

7. Operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
[40CFR63.6625(e)]

8. Records of the following shall be maintained:
a. Date and duration (in hours) of each use
[AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

b. Reason for use (testing and maintenance, emergency, non-emergency, compliance testing)
[AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

c. Cumulative annual hours of operation
[AVAQMD Rule 1110.2]

d. Cumulative annual fuel consumption (in gallons)
[AVAQMD Rule 1110.2]

e. Fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).
[17CCR93115.5(b)]

f. Occurrence and duration of each malfunction of the equipment
[40CFR63.6655(a)(2)]

g. All required maintenance performed on the equipment
[40CFR63.6655(a)(4)]

h. Actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[40CFR63.6655(a)(5)]

The records, either paper or computerized, shall be kept on-site and available for review at any time by District, State, or Federal personnel.

District/State-only enforceable sections

9. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17CCR93115.6(b)(1)]

10. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]

11. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17CCR93115.6(c)]

CDM A – Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

12. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

13. The facility shall not emit more than a combined total of 14.9 tons of particulate matter of 10 microns or less in aerodynamic diameter (PM10) from all permitted sources in any twelve (12) consecutive month period. [Rule 1303]

    CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the PM10 emissions from every permitted piece of equipment are recorded and that the total PM10 emissions during the previous 12 month period remain below the 14.9 ton per year limit. Records of these 12 month rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.
    [AVAQMD Rule 1303 -– Requirements]

14. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

H. <u>CONDITIONS APPLICABLE TO PROPANE FUELED EMERGENCY GENERATORS; AVAQMD PERMIT NUMBER #'S E012299, E012300, E012301, E012302, AND E012545:</u>

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
   [40 CFR 60.4233(e), 60.4234, 60.4243(a), (d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall only be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel
   [40 CFR 60.4243]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
   [40 CFR 60.4243(d),]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
c. Monthly and calendar year operation in terms of fuel consumption (in cubic feet or therms) or total hours;
d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
e. Records of all required source tests and source test results.

[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

5. These engines shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [40 CFR 60.4243(d), 60.4248]

6. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR 60.4243(g), AVAQMD Rule 1302]

7. This engine shall be initially source tested in accordance with the procedures outlined in 40 CFR 60.4244 no later than 90 days after installation is complete and the source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):
   a. NOx: 2.0 g/bhp-hr
   b. VOC: 1.0 g/bhp-hr
   c. CO: 4.0 g/bhp-hr
   d. PM10: 0.0095 lbs/MMbtu
   e. SOx: 0.0006 lb/MMbtu

   Additionally, the engine shall also be source tested in accordance with the procedures outlined in 40 CFR 60.4244 whenever any of the following events occur:
   a. Within 90 days after the three-way catalyst is replaced.
   b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.

8. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage. [District Rule 1110.2(F)(1)(a) and (b)]

9. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

[AVAQMD Rule 1302]

10. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 60.4243(d)(3)]

11. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[AVAQMD Rule 1302]

    CDM A – Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

12. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

I. CONDITIONS APPLICABLE TO PROPANE FUELED EMERGENCY GENERATORS, AVAQMD PERMIT NUMBER # E014902

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel only.

[40 CFR 60.4243]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d)]

4. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

5. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the three-way catalyst. Monitor the pressure drop across the three-way catalyst, and read and record the pressure drop when performing monthly maintenance inspections. Take corrective action when the pressure drop exceeds two and one-half (2.5) inches of water column from the initial reading.
District Rule 1303]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
c. Monthly and rolling 12 month operation in terms of fuel consumption (in cubic feet or therms) or total hours;
d. Monthly and annual pressure differential recording summaries;
e. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
f. Records of all required source tests and source test results.
[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

7. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g), AVAQMD Rule 1302]

8. This engine shall be initially source tested in accordance with the procedures outlined in 40 CFR 60.4244 no later than 90 days after installation is complete and the source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):
a. NOx: 1.5 gm/bhp-hr
b. VOC: 1.0 gm/bhp-hr
c. CO: 2.0 gm/bhp-hr

   Additionally, the engine shall also be source tested in accordance with the procedures outlined in 40

CFR 60.4244 whenever any of the following events occur:
a. Within 90 days after the three-way catalyst is replaced.
b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.
[40 CFR 60.4243(b)(2)(ii), 40 CFR 60.4244, District Rules 1302 and 1303]

9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage.
[District Rule 1110.2(F)(1)(a) and (b)]

District/State-only enforceable sections

10. This engine is subject to the requirements of New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ) and District Rule 1303 for BACT. In the event of conflict, the more stringent requirement shall govern.
[District Rule 1302]

11. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

12. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.
[40 CFR 60.4243(d)(3)]

13. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

14. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

J. CONDITIONS APPLICABLE TO PORTABLE PAINT SPRAY GUN; AVAQMD PERMIT #'S P010330, P010331, P010389, P011007 AND P011009

1. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) from this spray gun shall not exceed 25 lbs in any day, from midnight to midnight.
[BACT Limiting Condition AVAQMD Rule 1303(A)(1)]

2. Use of this equipment in the application of topcoats or primers containing inorganic HAPs shall comply with all applicable provisions of 40 CFR Part 63, Subpart GG
[40 CFR 63 Subpart GG]

3. Owner/operator shall maintain adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

4. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]
CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

5. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

K. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTHS; AVAQMD PERMIT #'S S006874, S007822, S012609, S012608, S012610 AND S012611:

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).

[40 CFR 63 Subpart GG]

2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.c., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer (2 inches for HEPA filters) or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).
[40 CFR 63 Subpart GG]

   CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

3. Owner/operator shall maintain a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
[40 CFR 63 Subpart GG]

4. Spray Booths S012609, S012608, S012610, S012611, AND S012788 – Coatings containing compounds of chromium (Cr), or cadmium (Cd) shall not be used (sprayed as a component of coatings) within the booths.
[T-BACT Limiting Condition AVAQMD Rule 1401]

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

5. The owner/operator (o/o) shall keep adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

6. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]
CDM – Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants

must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

EQUIPMENT LOCATED AT SITE 4

L. CONDITIONS APPLICABLE TO NATURAL GAS FUELED BOILERS; AVAQMD PERMIT #'S B013909 and B013910:

1. The boilers shall be fired with pipeline quality natural gas as the main fuel and propane as the backup fuel.
   [AVAQMD Rule 431.1€(1)]

2. The boilers shall be equipped with a non-resettable totalizing fuel flow meter.
   [AVAQMD Rule 1146(c)(5)]

3. Fuel consumption by this equipment shall not exceed 167.48 million standard cubic feet (172,003 million Btu heat input) per calendar year.
   [AVAQMD Rule 1303 and AVAQMD Rule 204]

4. These unit shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. CO less than 100 ppmvd; and
   b. NOx less than 9 ppmvd.
   [AVAQMD Rule 1303-BACT; AVAQMD Rule 1146]

5. The boiler system shall conduct an initial source test to verify the emission limits specified in Condition Number 4. Source test must be conducted in accordance with CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval) for NOx.
   [AVAQMD Rule 1303 BACT; District Rule 1146.1]

6. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
   [AVAQMD Rule 1146(c)(2)]
   [40 CFR 63 Subpart DDDDD 63.7500(e)]

7. The following records shall be kept:
   a. Fuel certification [40 CFR 60 Subpart DDDDD]
   b. Monthly fuel consumption [40 CFR part 60 subpart DDDDD];
   c. Boiler tuneup reports and records.
   [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

   CDM A – Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling averag.
[Rule 1303]

C–M - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

M. CONDITIONS APPLICABLE TO PAINT CURING OVEN, AVAQMD PERMIT # B012789:

1. The maximum operating temperature shall not exceed 500 degrees Fahrenheit. [AVAQMD Ruled 1303 & 1401]

2. The oven must be inspected periodically to ensure it is maintained in good operating condition. Inspection records can be either a paper log or computerized Plant Engineering Preventive Maintenance (e.g. Maximo) record. Records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

CDM A – Compliance shall be demonstrated by keeping adequate records to verify oven temperature (either a circular chart or paper log). Oven inspection records can be either computerized (Plant Engineering Preventive Maintenance (e.g. Maximo) or paper log. All records either paper or computerized shall be kept on-site and made available for review upon request by the District, State, or Federal personnel.

3. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

4. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants

must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

N. CONDITIONS APPLICABLE TO NATURAL GAS BOILER SYSTEMS; AVAQMD PERMIT #'S B012790 AND B013167:

1. The unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up.

2. A non-resettable four-digit (9,999) hour meter and fuel flow meter shall be installed to indicate boiler operating time as well fuel usage.

3. Fuel consumption shall not exceed 38.65 million standard cubic feet (39.420 MMBtu heat input) per calendar year. [District Rule 1305 – Offsets]

4. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year. [District Rule 1146.1]

5. The boiler system shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):

   B013167
   a. NOx 10 ppmvd or less (1.95 million BTU boilers); and 20 ppmvd or less (1.99 million BTU boiler); and
   b. CO 70 ppmvd or less

   B012790
   a. NOx 20 ppmvd or less
   b. CO 70 ppmvd or less

   [District Rule 1303 – BACT; District Rule 1146.1]

6. The owner/operator shall maintain an operations log for this equipment on-site and current for a minimum of two (2) years, and shall be provided to District personnel on request. The operations log shall include the following information at a minimum:
   a. Total operating time in hours per month and total operating time in hours per running consecutive 12 month period;
   b. Total fuel consumed, in gallons or Standard Cubic Feet, per month and per running consecutive 12 month period;
   c. Description of all repairs done to the boiler or the burner unit; and
   d. Results of all boiler source tests and tune-ups.
   [District Rule 1302(C)]

7. The boiler system shall conduct an initial source test to verify the emission limits specified in Condition Number 5. Source test must be conducted in accordance with CARB Method 100 or USEPA Method

7E (or equivalent method with prior District approval) for NOx.
[District Rule 1303; District Rule 1146.1]

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]
CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

O. CONDITIONS APPLICABLE TO NATURAL GAS MAKE-UP AIR HEATERS; AVAQMD PERMIT #'S ; B012795, B012796, B012797, B012798, B012835, B012836, B012837, AND B012838:

1. This unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up. This unit may be fired on propane fuel for testing or during curtailment of natural gas supply only.[District Rule 204]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed boiler operating time. In addition, each unit shall be equipped with a non-resettable four-digit (9,999) fuel flow meter to indicate fuel usage. [District Rule 1146.1]

3. Fuel consumption shall not exceed:
   a. 37.1 million standard cubic feet (37.843 MMBtu heat input) per calendar year for B012795 and B01276
   b. 73 million standard cubic feet (75.687 MMBtu) per calendar year for B012835 AND B012836
   c. 46.4 million standard cubic feet (47.374 MMBtu) per calendar year for B012797 and B012798
   d. 45.5 million standard cubic feet (47.304 MMBtu heat input) per calendar year for B012837 AND B012838
   [District Rule 1305 – Offsets]

4. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions, unless the heater was not operated for at least a six month period, in which case only one (1) tune-up is required.
[District Rule 1146.1]

5. Each make-up air heater shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. NOx 15 ppmvd or less

b. CO 100 ppmvd or less
[District Rule 1303 – BACT; District Rule 1146.1]

6. The following records either paper or computerized shall be maintained on-site and made available to District, State, or Federal personnel upon their request:
   a. Total operating time in hours per month and total operating time per consecutive twelve month period.
   b. Total fuel consumed per month and per running consecutive twelve month period.
   c. Description of all repairs done to the boiler system or burners
   d. Tune-up results
   e. Initial source test results
   [District Rule 1302(C)]

7. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
   [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

P. CONDITIONS APPLICABLE TO 16 MMBTU/HR BOILER, (BLDG 410), AVAQMD PERMIT # B011296:

1. This unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up. This unit may be fired on propane fuel for testing or during curtailment of natural gas supply only.
   [AVAQMD Rule 431.1(c)(1)]

2. The boiler shall be equipped with a non-resettable totalizing fuel flow meter.
   [AVAQMD Rule 1146(c)(5)]

3. Fuel consumption by this equipment shall not exceed 90 million standard cubic feet (92,160 million Btu heat input) per calendar year.
   [AVAQMD Rule 1303 and AVAQMD Rule 204]

4. These units shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. NOx less than 9 ppmvd; and

b. CO less than 50 ppmvd;
[AVAQMD Rule 1303-BACT; AVAQMD Rule 1146]

5. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
[AVAQMD Rule 1146(c)(2)]

6. The following records shall be kept:
a. Calendar year fuel consumption;
b. Boiler tuneup reports and records.
[AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

CDM A –Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

7. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

Q. <u>CONDITIONS APPLICABLE TO 8 MMBTU/HR BOILER (BLDG 410), AVAQMD PERMIT # B011297:</u>

1. This unit shall be fired on pipeline quality natural gas, with propane fuel as a back-up. This unit may be fired on propane fuel for testing or during curtailment of natural gas supply only.
[AVAQMD Rule 431.1(c)(1)]

2. The boiler shall be equipped with a non-resettable totalizing fuel flow meter.
[AVAQMD Rule 1146(c)(5)]

3. Fuel consumption by this equipment shall not exceed 45 million standard cubic feet (46,080 million Btu heat input) per calendar year.

[AVAQMD Rule 1303 and AVAQMD Rule 204]

4. These units shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. NOx less than 9 ppmvd; and
   b. b. CO less than 50 ppmvd;
   [AVAQMD Rule 1303-BACT; AVAQMD Rule 1146]

5. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
   [AVAQMD Rule 1146(c)(2)]

6. The following records shall be kept:
   a. Calendar year fuel consumption;
   b. Boiler tuneup reports and records.
   [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

   CDM A –Records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

7. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
   [Rule 1303]
   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

R. <u>CONDITIONS APPLICABLE TO 12.4 MMBTU/HR BOILER, (BLDG 401), AVAQMD PERMIT # B013910:</u>

1. The boilers shall be fired with pipeline quality natural gas as the main fuel and propane as the backup fuel.
   [AVAQMD Rule 431.1(c)(1)]

2. The boilers shall be equipped with a non-resettable totalizing fuel flow meter.
   [AVAQMD Rule 1146(c)(5)]

3. Fuel consumption by this equipment shall not exceed 167.48 million standard cubic feet (172,003 million Btu heat input) per calendar year.
   [AVAQMD Rule 1303 and AVAQMD Rule 204]

4. These unit shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. CO less than 100 ppmvd; and
   b. NOx less than 9 ppmvd.
   [AVAQMD Rule 1303-BACT; AVAQMD Rule 1146]

5. The boiler system shall conduct an initial source test to verify the emission limits specified in Condition Number 4. Source test must be conducted in accordance with CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval) for NOx.
   [AVAQMD Rule 1303 BACT; District Rule 1146.1]

6. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
   [AVAQMD Rule 1146(c)(2)]
   [40 CFR 63 Subpart DDDDD 63.7500(e)]

7. The following records shall be kept:
   a. Fuel certification [40 CFR 60 Subpart DDDDD]
   b. Monthly fuel consumption [40 CFR part 60 subpart DDDDD];
   c. Boiler tuneup reports and records.
   [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring]

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
   [Rule 1303]
   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

S. <u>CONDITIONS APPLICABLE TO FOUR – 1.35 MMBTU/HR NATURAL GAS FIRED MAKE-UP AIR HEATERS; AVAQMD PERMIT #'S B013435 (ASSOCIATED WITH S008093), B013436 (ASSOCIATED WITH S007837), B013437 (ASSOCIATED WITH S009013) and B013438</u>

(ASSOCIATED WITH S009013), LOCATION BUILDING 401 F35 PAINT SHOP

1. This equipment shall be fired on pipeline quality natural gas, with propane fuel as a back-up. [District Rule 431.1(c)(1)]

2. A non-resettable four-digit (9,999) hour meter and fuel flow meter shall be installed to indicate burner operating time as well fuel usage. [District Rule 204]

3. Total fuel consumption shall not exceed 156 million standard cubic feet per year.
[District Rule 1305 – Offsets]

4. This equipment must be adjusted and tuned at least twice (2 times) per year, according to manufacturer's instructions. The required tune ups shall be conducted at least four months but not less than 8 months from the time of the last tune up. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
[District Rule 1146.1]

5. Each make-up air heater shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
   a. NOx 15 ppmvd or less
   b. CO 100 ppmvd or less
[District Rule 1303 – BACT; District Rule 1146.1]

6. The following records either paper or computerized shall be maintained on-site and made available to District, State, or Federal personnel upon their request:
   a. Total operating time in hours per month and total operating time per consecutive twelve month period.
   b. Total fuel consumed per month and per running consecutive twelve month period.
   c. Description of all repairs done to the burners
   d. Tune-up results
   e. Initial source test results
[District Rule 1302(C)]

7. Each make-up air heater shall conduct an initial source test to verify the emission limits specified in Condition Number 5. Source test must be conducted in accordance with CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval) for NOx.
[District Rule 1303; District Rule 1146.1]

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]
CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period

remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

T. CONDITIONS APPLICABLE TO CAPS II PORTABLE AIR POLLUTION CONTROL EQUIPMENT (VARIOUS LOCATIONS); AVAQMD PERMIT #'S C011105, C013911, C013912 AND C013913

1. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) from this spray gun shall not exceed 25 lbs in any day, from midnight to midnight.
[BACT Limiting Condition AVAQMD Rule 1303(A)]

2. Use of this equipment in the application of topcoats or primers containing inorganic HAPs shall comply with all applicable provisions of 40 CFR Part 63, Subpart GG.
[40 CFR Part 63.745(g)]

3. Owner/operator shall maintain adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
[AVAQMD Rule 109]

4. The o/o shall not use this equipment to spray apply coatings which contain compounds of chromium (Cr) or cadmium (Cd).
[AVAQMD Rule 204]

5. The owner/operator shall perform clean-up operations for this equipment in accordance with AVAQMD Rule 1124 and 40 CFR Part 63, Subpart GG.
[AVAQMD Rule 1124(C)(2) and 40 CFR 63.744]

6. The HVLP spray gun with a Sharp Shooter shall only be used for touch-up operations to spray topcoats and primers on assemblies and aircraft.
[AVAQMD Rule 1124(G)(6)]

7. The maximum solids content of the topcoat or primer shall not exceed 40% by weight.
[AVAQMD Rule 204]

8. For touch-up coating operations that satisfy condition numbers 7 and 8 above, a transfer efficiency of 95% may be used for calculating particulate emissions, including particulate emissions of toxic compounds.
[AVAQMD Rule 204]

CDM A - Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

9. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]
CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

U. CONDITIONS APPLICABLE TO CARBON ADSORPTION SYSTEM, AVAQMD PERMIT # C013441 ASSOCIATED WITH PAINT HANGAR (S013440)

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. [AVAQMD Rule 1302]

2. This equipment must be in use and operating properly at all times the paint hangar under valid District Permit S013440 is producing emissions. [AVAQMD Rules 1303 and 1401]

3. This carbon adsorption system shall provide at a minimum 81% control efficiency of VOC emissions vented from the Paint Hangar under valid District Permit S013440. Control efficiency shall be demonstrated by sampling VOC emissions per US EPA Method 25 at the inlet and outlet of the carbon beds during initial and annual compliance tests. [AVAQMD Rules 1303 and 1401]

4. The owner/operator shall prepare and submit a monitoring and change-out plan for the carbon adsorption system and USEPA Test Method 319 certified bag type exhaust filter associated with the paint hangar which ensures that the system is operating at optimal control efficiency at all times for District approval 60 days prior to startup of booth operations. Once approved, any subsequent changes to the monitoring and change-out plan must be submitted in writing to the District for approval prior to implementation. [AVAQMD Rules 1303 and 1401]

6. During operation, o/o shall monitor VOC (as hexane) measured at outlet from the carbon beds. Sampling is to be performed at a minimum on a weekly basis. Samples shall be analyzed using a District approved photo ionization detector (PID). [AVAQMD Rule 1303]

7. PID shall be considered invalid if not calibrated in accordance with the manufactures recommended calibration procedures. [AVAQMD Rule 1303]

8. The o/o shall maintain an operations log (in electronic or hardcopy format) current and on-site for a period of five (5) years. The log shall contain at a minimum the following information and shall be provided to District personnel upon request.
   a. Date and time of VOC monitoring;
   b. Results of VOC monitoring; and
   c. Date and description of all maintenance, malfunctions, repairs, and carbon change out(s).
   [AVAQMD Rule 1303]

9. The o/o shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval. [AVAQMD Rule 217]

10. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing is completed.

11. The o/o shall perform the following initial compliance tests on this equipment in accordance with the AVAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 180 days of booth startup. The following compliance tests are required:
    a. VOC as hexane in ppmvd and lb/hr (measured per USEPA Reference Methods 25 and 18 or equivalent).

12. The o/o shall perform the following compliance tests on this equipment at least once every twelve (12) months in accordance with the AVAQMD Compliance Test Procedural Manual. The following compliance tests are required:
    a. VOC as hexane in ppmvd and lb/hr (measured per USEPA Reference Methods 25A and 18 or equivalent).

    Additionally, records of all compliance tests shall be maintained on site for a period of five (5) years and presented to District personnel upon request. [AVAQMD Rule 1303]

13. VOC emissions from this equipment shall not exceed 437 lb/year.
    [Rule 1303]

14. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

15. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

V. CONDITIONS APPLICABLE TO PORTABLE AIR POLLUTION CONTROL EQUIPMENT SPRAY PAINTING VENTILATION DEVICE (VARIOUS LOCATIONS); AVAQMD PERMIT #'S C013442, C013443, C013444, C014381 AND C015046:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below. [AVAQMD Rule 1302]

2. While in use the inlet ducts shall be positioned in such a manner that emissions are minimized to the greatest extent possible.

3. A gauge shall be installed to indicate the static pressure differential across the filters. In operation, the pressure differential shall not exceed 2.0 inches of water above the baseline reading.

4. Owner/operator shall log the date of all repairs to and replacement of the filter media.

5. A log shall be maintained containing the following;
   a. System inspection records;
   b. Pressure differential recordings (in inches water column;
   c. Pressure differential operating range (in inches water column) and
   d. Filter repair/replacement records.
   The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [1302 (C)(2)(a)]

6. PM10 emissions from this equipment shall be less than 25 lb/day.
   [BACT AVAQMD Rule 1303(A)(1)]

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [AVAQMD Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

W. CONDITIONS APPLICABLE TO FOUR STATIONARY DIESEL FUELED PISTON TYPE

INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT #'S E006770, E006780, E008106, AND E008420:

1. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17CCR93115.4(a)(8) or an alternative fuel that meets the requirements of 17CCR93115.5(b)(2-6).
   [17CCR93115.5(b)]

2. An operational non-resettable four-digit (9,999) totalizing time meter, and a non-resettable fuel meter or acceptable alternative, shall be installed and maintained on this unit.
   [17CCR93115.10(d) and 40CFR63.6625(e)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 20 hour per year limit.
   [17CCR93115.6(b)(3)]

4. The hour limits indicated in Condition 3 above do not apply to in-use emergency fire pump assemblies that are driven directly to stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems".
   [17CCR93115.3(n)]

5. This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ. Pursuant to this regulation the equipment shall demonstrate continuous compliance by committing to a maintenance schedule that includes the following:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1]

   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and

   c. Inspect hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   [1] Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement of this subpart. [40CFR63.6603(a) and Table 2d]

   If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the

schedule required and the federal, state or local law under which the risk was deemed unacceptable.

6. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
   [40CFR63.6625(h) and Table 2d]

7. Operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
   [40CFR63.6625(e)]

8. Records of the following shall be maintained:
   a. Date and duration (in hours) of each use
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

   b. Reason for use (testing and maintenance, emergency, non-emergency, compliance testing)
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

   c. Cumulative annual hours of operation
      [AVAQMD Rule 1110.2]

   d. Cumulative annual fuel consumption (in gallons)
      [AVAQMD Rule 1110.2]

   e. Fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).
      [17CCR93115.5(b)]

   f. Occurrence and duration of each malfunction of the equipment
      [40CFR63.6655(a)(2)]

   g. All required maintenance performed on the equipment
      [40CFR63.6655(a)(4)]

   h. Actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
      [40CFR63.6655(a)(5)]

      The records, either paper or computerized, shall be kept on-site and available for review at any time by District, State, or Federal personnel.

9. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day

period based on a 30 day rolling average. [Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

District/State-only enforceable sections

10. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17CCR93115.6(b)(1)]

11. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.
[40 CFR 63.6640(f)]

12. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17CCR93115.6(c)]

    CDM A – Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

12. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

X. <u>CONDITIONS APPLICABLE TO ONE STATIONARY LPG FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006783</u>

1. An operational non-resettable four-digit (9,999) totalizing time meter, and a non-resettable fuel meter or acceptable alternative, shall be installed and maintained on this unit.
   [17 CCR 93115.10(d) and 40 CFR 63.6625(e)]

2. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 20 hour per year limit.
   [17 CCR 93115.6(b)(3)]

3. This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ. Pursuant to this regulation the equipment shall demonstrate continuous compliance by committing to a maintenance schedule that includes the following:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1]

   b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;

   c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.[2]

   [1] Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2c of this subpart.

   [2] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices
   [40CFR63.6602(a) and Table 2c]

   If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

4. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
   [40CFR63.6625(h]

5. Operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice

for minimizing emissions.
[40CFR63.6625(e)]

6. Records of the following shall be maintained:
   a. Date and duration (in hours) of each use
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

   b. Reason for use (testing and maintenance, emergency, non-emergency, compliance testing)
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

   c. Cumulative annual hours of operation
      [AVAQMD Rule 1110.2]

   d. Cumulative annual fuel consumption (in gallons)
      [AVAQMD Rule 1110.2]

   e. Fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).
      [17CCR93115.5(b)]

   f. Occurrence and duration of each malfunction of the equipment
      [40CFR63.6655(a)(2)]

   g. All required maintenance performed on the equipment
      [40CFR63.6655(a)(4)]

   h. Actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
      [40CFR63.6655(a)(5)]

      The records, either paper or computerized, shall be kept on-site and available for review at any time by District, State, or Federal personnel.

7. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

District/State-only enforceable sections

8. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17CCR93115.6(b)(1)]

9. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]

10. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17CCR93115.6(c)]

    CDM A – Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

Y. <u>CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail), AVAQMD PERMIT NUMBER # N011611:</u>

1. The annual throughput of gasoline shall not exceed 500,000 gallons per year.
[AVAQMD Rule 1301(A)]

    CDM A - Compliance shall be demonstrated with either a log containing throughput records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

2. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

District/State-Only Enforceable Section

3. Owner/Operator shall post in the gasoline dispensing area the District's toll free number. [Rule 461]

4. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least two (2) years and available to the District upon request. Records of Maintenance, Tests, Inspections, and Test Failures shall be maintained and available to District personal upon request; record form shall be similar to the Maintenance Record form indicated in EO VR-402, Figure 2N. [EO VR-402; Rule 461] Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
[Rule 204]

5. Pursuant to EO VR-402, vapor vent pipes are to be equipped with Husky 5885 pressure relief valves or as otherwise allowed by Executive Order.
[EO VR-402; Rule 204]

   The owner or operator of the installation shall conduct, and pass, the specified tests no later than 60 calendar days after startup and at least once in each twelve month period in accordance with Executive Order G-70-187 using the latest adopted version of referenced Test Procedures: (http://www.arb.ca.gov/vapor/above/g70187.pdf)
   a. Static pressure decay test for the Phase I system and vent piping per Exhibit 3.

   b. Static pressure decay test specifically for the Phase II piping network between the nozzle and the Healy Central Vacuum Unit per Exhibit 4.

   c. Fillneck Vapor Pressure Regulation Fueling Test for the Healy Model 400 ORVR nozzle per Exhibit 5.

   d. Ten-gallon per minute maximum fueling rate compliance verification procedure per Exhibit 6.

   e. Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations. [Rule 204] The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. Passing test

reports shall be received by the District not later than six (6) weeks prior to the expiration date of this permit. [Rule 204; EO G-70-187] The o/o shall maintain and operate this equipment in compliance with CARB Executive Order G-70-187. [Rule 204] The California Air Resources Board (CARB) has established a timeline for Aboveground Storage Tanks (AST) Enhanced Vapor Recovery (EVR) system implementation. Pursuant to CARB requirements and State mandated retrofits, the o/o shall ensure that this tank meets all the applicable requirements within the designated timeframes. Prior to conducting any modifications the o/o shall obtain a District approved Authority to Construct (ATC) Permit. See the following link for AST EVR Timeline:
http://o3.arb.ca.gov/vapor/asttimeline_123009.pdf
[Rule 204]

6. The o/o shall perform the following tests within 60 days of construction completion and annually thereafter in accord with the following test procedures:
   a. Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks shall be conducted per EO VR-402 Exhibit 4;

   b. Phase I Adapters, Emergency Vents, Spill Container Drain Valve, Dedicated gauging port with drop tube and tank components, all connections, and fittings shall NOT have any detectable leaks; test methods shall be per EO VR-402 Table 2-1, and

   c. Liquid Removal Test (if applicable) per TP-201.6, and Summary of Test Data shall be documented on a Form similar to EO VR-402 Form 1 The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests. The District shall receive passing test reports no later than six (6) weeks prior to the expiration date of this permit.
   [Rule 204]

7. Pursuant to California Health and Safety Code sections 39600, 39601 and 41954, this aboveground tank shall be installed and maintained in accordance with Executive Order (EO) VR-402 for EVR Phase I, and Standing Loss requirements: http://www.arb.ca.gov/vapor/eos/eo-vr401/eo-401.htm

8. Pursuant to EO VR-402: Maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by MORRISON BROS. Certified Technicians.
   [EO VR-402]

9. Pursuant to EO VR-402, Maintenance Intervals for MORRISON BROS.; Tank Gauge Components; Dust Caps Emergency Vents; Phase I Product and Vapor Adapters, and Spill Container Drain Valve, shall be conducted by a MORRISON BROS. trained technician annually.
   [EO VR-402]

10. The o/o shall; install, maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-402, and Phase II vapor recovery in accordance with G-70-187. In the event of conflict between these permit conditions and/or the referenced EO s the more stringent requirements shall govern.
    [Rule 204]

11. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

Z. CONDITIONS APPLICABLE TO NATURAL GAS FUELED EMERGENCY GENERATORS; AVAQMD PERMIT #'S E011904, E011905, E011907:

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst for E011904, E011905, and E011907. E012785 does not require three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[40 CFR 60.4233(e), 60.4234, 60.4243(a), (d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall only be fired on PUC-Regulated Natural Gas fuel, whose sulfur concentration is less than or equal to 0.0016% (16 ppm) on a volume per volume basis.
[AVAQMD Rules 431.1 and 1303]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d),]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
   a. Date of each use and duration of each use (in hours);
   b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
      Monthly and calendar year operation in terms of fuel consumption (in cubic feet or therms) or total hours;
   c. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
   d. Records of all required source tests and source test results.
   [40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

5. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

6. The three-way catalytic converter shall be cleaned in accordance with the manufacturer's written

procedures when the pressure differential across the converter exceeds two (2) inches water column at 100% load, plus or minus 10% from the initial pressure drop across the catalyst. This is not applicable during periods of Startup (less than 100% load and less than 750 degrees F)..
[40 CFR 60.4243, AVAQMD Rule 1302]

7. An initial source test performed in accordance with the procedures outlined in 40 CFR 60.4244 has verified that this engine meets the following maximum emission limits (measured at standard conditions):

   E011907:
   a. NOx: 2.0 g/bhp-hr
   b. VOC: 1.0 g/bhp-hr
   c. CO:1.6 g/bhp-hr
   d. PM_{10}: 0.0095 lbs/MMBtu
   e. SOx:0.0006 lbs/MMBtu

   E011904 and E011905:
   a. NOx: 0.15 g/bhp-hr
   b. VOC: 0.75 g/bhp-hr
   c. CO: 4.0 g/bhp-hr
   d. PM_{10}: 0.0095 lbs/MMBtu
   e. SOx: 0.0002 lbs/MMBtu

   Source testing in accordance with the procedures outlined in 40 CFR 60.4244 shall be performed whenever any of the following events occur:
   a. Within 90 days after the three-way catalyst is replaced.
   b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.
   c. E011904 and E011905 – At a maximum of 3 years from the previous source test.
   [40 CFR 60.4243(b)(2)(ii), 40 CFR 60.4244, AVAQMD Rules 1302 and 1303]

8. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

District/State-Only Enforceable Section

9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[AVAQMD Rule 1110.2(F)(1)(a)]

10. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[AVAQMD Rule 1302]

11. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 60.4243(d)(3)]

12. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[AVAQMD Rule 1302]

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

AA. <u>CONDITIONS APPLICABLE TO PAINT SPRAY BOOTHS; AVAQMD PERMIT #'S S006766, S006767, S007837, S008093, S009013, S012451, S012606, S012607, AND S012788:</u>

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
[40 CFR 63 Subpart GG]

2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer (2 inches for HEPA filters) or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).
[40 CFR 63 Subpart GG]

   CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request

by District, State or Federal personnel.

3. Spray Booth S008093 - No more than 2.9 pounds per year of hexavalent chromium shall be used (sprayed as a component of coatings) within the booth. Compliance with this condition shall be verified through operational records.
[AVAQMD Rule 1401]

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

4. Spray Booth S009013 - The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) at this booth shall not exceed 25 pounds in any day, from midnight to midnight.
[BACT Limiting Condition AVAQMD Rule 1303(A)(1)]

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

5. Spray Booths S012451, S012606, S012607 AND S012611 - The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) at this booth shall not exceed 9,124 pounds annually on a twelve month rolling average.
[BACT Limiting Condition AVAQMD Rule 1303(A)(1)]

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

6. Spray Booths S012451, , AND S012788 – Coatings containing compounds of chromium (Cr), or cadmium (Cd) shall not be used (sprayed as a component of coatings) within the booths.
[T-BACT Limiting Condition AVAQMD Rule 1401]

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

7. Spray Booths S012606 AND S012607 - No more than 0.026 pounds per year of hexavalent chromium and 0.002 pounds of cadmium shall be emitted (sprayed as a component of coatings) from each individual booth. Coatings containing hexavalent chromium and cadmium must pass through 3-Stage NESHAP approved filters in addition to the HEPA filters.

   CDM A – Compliance shall be demonstrated by keeping adequate records to verify emissions in accordance with Rule 109. The records, either paper or computerized, shall be kept on-site and available

for review upon request by District, State or Federal personnel.

8. For S006766 Motor Assembly Binks Model #AX260L-7, Pump Assembly Binks Model #MX10070PU-CAK, Gun Assembly Binks Airless #75 and 3/8" Hose Assembly Binks Model #03154691, operated and maintained according to manufacturer's specifications, when used in conjunction with 163-519 Spray Tip, to apply Solvent Kleene D-ZOLVE 1533R and Cee Bee E3000M paint stripper pursuant to District letter dated 01/31/2017 that is deemed HVLP equivalent and shall only be operated within control device with District Permit #s S006766 and C006781.
   [AVAQMD Rule 204]

9. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

10. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

BB. <u>CONDITIONS APPLICABLE TO INTACT AIRCRAFT, EREC ROBOTIC APPLICATION PAINT HANGAR, AVAQMD PERMIT # S013440:</u>

1. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter and the properly operating carbon adsorption system under valid district permit C013441.

2. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [AVAQMD Rule 1303]

3. Owner/operator shall record the air filter pressure differential once per shift. [AVAQMD Rule 1303]

4. Condition of carbon filters as determined by VOC monitor and sensor system shall be measured or observed once per shift. [AVAQMD Rule 1303]

5. The owner/operator shall prepare and submit a monitoring and change-out plan for the carbon filters and carbon adsorption system under valid district permit C013441 which ensures that the system is operating at optimal control efficiency at all times for District approval 60 days prior to startup of booth operations. Once approved, any subsequent changes to the monitoring and change-out plan must be submitted in writing to the District for approval prior to implementation. [AVAQMD Rule 1303]

7. Material safety data sheets for all coatings, adhesives and solvents used in this equipment shall be kept current and made available to District, State or Federal personnel upon request. [AVAQMD Rule 1303]

8. A log shall be maintained containing the following;
   a. Rule 109 daily usage records;
   b. System inspection records;
   c. Pressure differential recordings;
   d. VOC monitoring data; and
   d. Carbon filter change outs.

   The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

9. During any calendar year in which the compliance option provided by Rule 1107(c)(7) and/or Rule 1124(C)(5) is employed, the o/o shall demonstrate compliance with the capture efficiency and either destruction efficiency or exhaust VOC concentration requirements in accordance with USEPA "Guidelines for Determining Capture Efficiency" and USEPA Test Methods 25, 25A or SCAQMD Method 25.1. The o/o shall perform and report these tests in accordance with the District Compliance Test Procedural Manual. Results shall be kept on-site and available for review at any time by District, State or Federal personnel.

10. Controlled VOC emissions from this equipment shall not exceed 437 lb/year. [Rule 1303]

11. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
    [Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

12. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

CC. CONDITIONS APPLICABLE TO JP-5/JP-8 LOADING/UNLOADING FACILITY; AVAQMD PERMIT #'S T006761, T006762, AND T006763:

1. Facility shall be used for loading/unloading jet fuel (including JP-5, JP-8, Jet A and Jet A-1).

[AVAQMD Rule 204]

2. The fueling of JP-5, JP-8, and Jet A-1 shall not exceed 200,000 gallons per day for any individual tank. [AVAQMD Rule 204]

   CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel. Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. For the purposes of this condition, fueling shall be defined as fuel that is added to and retained in an aircraft for the intention of powering that aircraft. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

3. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
   [Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

4. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
   [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

DD. <u>CONDITIONS APPLICABLE TO STORAGE TANKS; AVAQMD PERMIT #'S T006772, T006773, T006786, T006787 AND T006794:</u>

1. The fueling of JP-5, JP-8, and Jet A-1 shall not exceed 200,000 gallons per day for any individual tank. [AVAQMD Rule 204]

2. Storage Tank No. T006772 can be used for the storage of No. 2 diesel fuel and 1010 oil. [AVAQMD Rule 204]

3. Fueling records shall be kept and maintained for a five year period and be made available to District, State and Federal personnel upon request.

   CDM A – Compliance shall be demonstrated with either a log containing the fueling records, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall

be kept on-site and available for review upon request by District, State or Federal personnel.

4. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

5. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

EE. CONDITIONS APPLICABLE TO PROPANE STORAGE TANK, AVAQMD PERMIT # T006793:

1. Tank may be operated on an emergency and preventive maintenance use schedule only.
[AVAQMD Rule 204]

   CDM A – Compliance shall be demonstrated with either a log containing the date and reason for use, or other equivalent method. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

2. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

3. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

FF. <u>CONDITIONS APPLICABLE TO NATURAL GAS BOILER SYSTEMS AVAQMD PERMIT NUMBERS B014894 through B014901:</u>

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations

of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2. The unit shall only be fired on pipeline quality natural gas.
[District Rules 431.1 and 431.2]

3. A non-resettable four-digit (9,999) fuel flow meter shall be installed to indicate fuel usage.
[District Rule 1303]

4. Fuel consumption shall not exceed 52.56 million standard cubic feet (52560 MMBtu heat input) per calendar year.
[District Rule 1305 - Offsets]

5. This equipment must be adjusted and tuned at least twice (2 times) per year, according to the manufacturer's instructions. The required tuneups shall be conducted at least four months but not less than 8 months from the time of the last tuneup. If the boiler was not operated for at least a six month period during a single calendar year, only one (1) tune-up is required during that calendar year.
[District Rule 1146]

6. The boiler system shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
a. NOx 7 ppmvd or less;
b. CO 20 ppmvd or less; and
c. VOC 4 ppmvd or less
[District Rule 1303]

7. The owner/operator shall maintain an operations log for this equipment on-site and current for a minimum of two (2) years, and shall be provided to District personnel on request. The operations log shall include the following information at a minimum:
a. Total fuel consumed, in gallons or Standard Cubic Feet, per month and rolling 12 month period;
b. Description of all repairs done to the boiler or the burner unit; and
c. Results of all boiler source tests and tune-ups.
[District Rule 1302(C)]

8. The boiler system shall conduct an initial source test to verify the emission limits specified in Condition Number 6. Source test must be conducted in accordance with CARB Method 100 or USEPA Method 7E (or equivalent method with prior District approval) for NOx.
[District Rules 1303 and 1146]

VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking

database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

9. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

GG. CONDITIONS APPLICABLE TO PAINT SPRAY HANGAR, AVAQMD PERMIT # S014890

1. This equipment shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles that produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter and a properly functioning Control Device, Concentrator/RTO/Scrubber, under valid district permit C014892.
[District Rules 1303 and 1401]

3. The total quantity of controlled VOCs emitted from surface coating operations (including hand surface preparation operations and equipment clean-up) from this spray hangar shall not exceed 2,483.73 lbs annually on a twelve month rolling average.
[District Rule 1303]

4. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. Continuously monitor the pressure drop across the filter, and read and record the pressure drop once per shift. Take corrective action when the pressure drop exceeds or falls below the filter manufacturer's recommended limit(s).
[40 CFR 63 Subpart GG]

5. A log or records shall be maintained containing the following:
a. Safety Data Sheet(s) for materials used in this equipment;
b. Daily VOC usage in lbs/day for materials used;
c. Monthly and rolling twelve month total VOC emissions data;
d. Monthly and annual pressure differential recording summaries; and
e. Date and description of all maintenance, malfunctions, and repairs.

The log or records, either paper or computerized, shall be kept on-site for a period of five (5) years and available for review at any time by District, State or Federal personnel.
[District Rule 109 and 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring]

6. During any calendar year in which the compliance option provided by Rule 1107(I) and/or Rule 1124(C)(8) is employed, the owner/operator shall demonstrate compliance with the capture efficiency and either destruction efficiency or exhaust VOC concentration requirements in accordance with USEPA "Guidelines for Determining Capture Efficiency" and USEPA Test Methods 25, 25A or SCAQMD Method 25.1. The o/o shall perform and report these tests in accordance with the District Compliance Test Procedural Manual. Results shall be kept on-site and available for review at any time by District, State or Federal personnel.
[District Rules 1107 and 1124]

7. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

HH. CONDITIONS APPLICABLE TO CONCENTRATOR/RTO/SCRUBBER VOC CONTROL SYSTEM, AVAQMD PERMIT # C014892 ASSOCIATED WITH PAINT HANGAR (S014890)

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302]

2. This equipment must be in use and operating properly at all times the paint hangar under valid District Permit S014890 is producing emissions.
[District Rules 1303 and 1401]

3. Controlled VOC emissions from this equipment shall not exceed 2,484 pounds, and NOx emissions shall not exceed 949 pounds based on a twelve month rolling average.
[District Rule 1303]

4. A non-resettable four-digit (9,999) fuel flow meter shall be installed to indicate fuel usage.
[District Rule 1303]

5. This equipment is limited to using only PUC-Regulated pipeline quality natural gas for fuel.
   [District Rules 431.1 and 1303]

6. This Concentrator/RTO system shall provide at a minimum 94% overall control efficiency of VOC emissions vented from the Paint Hangar under valid District Permit S014890. Compliance with this condition shall be demonstrated using the results of the Permanent Total Enclosure (PTE) evaluation, and the most recent source test.
   [District Rules 1303 and 1401]

7. A temperature monitoring device (thermocouple) shall be installed and maintained in the RTO. The thermocouple will be replaced annually (or upon failure).
   [District Rules 1303 and 1401 and 40 CFR Part 64 - CAM]

8. At all times, except during periods of startup and shutdown, reaction chamber temperature must be maintained at a minimum of 1500 degrees Fahrenheit. The owner/operator (o/o) shall also monitor the temperature in 15 minute intervals. This condition does not apply in the event that the equipment is off-line due to a maintenance activity or planned or unplanned power outage.
   [District Rule 1303 and 40 CFR Part 64 - CAM]
9. The o/o shall maintain an operations log (in electronic or hardcopy format) current and on-site for a period of five (5) years. The log shall contain at a minimum the following information and shall be provided to District personnel upon request:
   a. Fuel consumption in standard cubic feet per calendar month;
   b. The results of the most recent destruction efficiency (compliance) test;
   c. Reaction chamber temperature; and
   d. Date and description of all maintenance, malfunctions, and repairs.
   [District Rule 1303]

10. Emissions from the final RTO exhaust stack shall not exceed the following hourly emission limits, verified by an initial compliance test:
    a. NOx as NO2: 30 ppm operating at 100% load; and
    b. CO: 20 ppm operating at 100% load.
    [District Rule 1303(A)]

11. Where feasible, the o/o shall provide stack sampling ports and platforms necessary to perform source tests to verify compliance with District rules, regulations, and permit conditions. The location of these ports and platforms shall be subject to District approval.
    [District Rule 217]

12. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing is completed.
    [District Rule 1303]

13. The o/o shall conduct an initial source test in accordance with the AVAQMD Compliance Test Procedural Manual within 90 days of date of initial operation, and annually thereafter. After the o/o has demonstrated compliance for two consecutive tests, the o/o may reduce the frequency of subsequent compliance tests to once every three years. If the results of any subsequent three year compliance test indicate the equipment is not in compliance with the VOC control efficiency, the o/o must resume annual compliance tests. in accordance with the AVAQMD Compliance Test Procedural Manual. The following compliance tests are required:
    a. VOC as hexane in ppmvd and lb/hr (measured per USEPA Reference Methods 25A and 18 or equivalent).

    Additionally, records of all compliance tests shall be maintained on site for a period of five (5) years and presented to District personnel upon request.
    [District Rule 1303]

14. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
    [District Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

15. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
    [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

II. CONDITIONS APPLICABLE TO TWO STATIONARY PROPANE FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS, AVAQMD PERMIT # E014903

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
    [40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel only.
[40 CFR 60.4243]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d)]

4. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

5. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the three-way catalyst. Monitor the pressure drop across the three-way catalyst, and read and record the pressure drop when performing monthly maintenance inspections. Take corrective action when the pressure drop exceeds two and one-half (2.5) inches of water column from the initial reading.
District Rule 1303]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
c. Monthly and rolling 12 month operation in terms of fuel consumption (in cubic feet or therms) or total hours;
d. Monthly and annual pressure differential recording summaries;
e. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
f. Records of all required source tests and source test results.
[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

7. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g), AVAQMD Rule 1302]

8. This engine shall be initially source tested in accordance with the procedures outlined in 40 CFR 60.4244 no later than 90 days after installation is complete and the source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):
a. NOx: 1.5 gm/bhp-hr
b. VOC: 1.0 gm/bhp-hr
c. CO: 2.0 gm/bhp-hr

Additionally, the engine shall also be source tested in accordance with the procedures outlined in 40 CFR 60.4244 whenever any of the following events occur:
a. Within 90 days after the three-way catalyst is replaced.
b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.
[40 CFR 60.4243(b)(2)(ii), 40 CFR 60.4244, District Rules 1302 and 1303]

9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage.
[District Rule 1110.2(F)(1)(a) and (b)]

District/State-only enforceable sections

10. This engine is subject to the requirements of New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ) and District Rule 1303 for BACT. In the event of conflict, the more stringent requirement shall govern.
[District Rule 1302]

11. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

12. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.
[40 CFR 60.4243(d)(3)]

13. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

14. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

JJ. CONDITIONS APPLICABLE TO STATIONARY NATURAL GAS FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS, AVAQMD PERMIT # E014893

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall only be fired on PUC-Regulated natural gas fuel, whose sulfur concentration is less than or equal to 0.0016% (16 ppm) on a volume per volume basis.
[District Rules 431.1 and 1303]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d)]

4. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

5. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the three-way catalyst. Monitor the pressure drop across the three-way catalyst, and read and record the pressure drop when performing monthly maintenance inspections. Take corrective action when the pressure drop exceeds two and one-half (2.5) inches of water column from the initial reading.
District Rule 1303]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
c. Monthly and rolling 12 month operation in terms of fuel consumption (in cubic feet or therms) or total hours;

d. Monthly and annual pressure differential recording summaries;
e. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
f. Records of all required source tests and source test results.
[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

7. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g), AVAQMD Rule 1302]

8. An initial source test within 1 year of engine startup, and subsequent source testing every 8,760 hours or 3 years, whichever comes first, shall be conducted in accordance with the procedures outlined in 40 CFR 60.4244 to verify this engine meets the following maximum emission limits (measured at standard conditions):
a. NOx: 1.5 gm/bhp-hr
b. VOC: 1.0 gm/bhp-hr
c. CO: 2.0 gm/bhp-hr

Source testing in accordance with the procedures outlined in 40 CFR 60.4244 shall be performed whenever any of the following events occur:
a. Within 90 days after the three-way catalyst is replaced.
b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.
[40 CFR 60.4243(b)(2)(ii), 40 CFR 60.4244, District Rules 1302 and 1303]

9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage.
[District Rule 1110.2(F)(1)(a) and (b)]

District/State-only enforceable sections

10. This engine is subject to the requirements of New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ) and District Rule 1303 for BACT. In the event of conflict, the more stringent requirement shall govern.
[District Rule 1302]

11. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

12. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be

operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.
[40 CFR 60.4243(d)(3)]

13. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

14. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

EQUIPMENT LOCATED AT SITE 7

KK. CONDITIONS APPLICABLE TO FOUR STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT #'S E006403, E006404, E006406 AND E007093

1. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17CCR93115.4(a)(8) or an alternative fuel that meets the requirements of 17CCR93115.5(b)(2-6).
[17CCR93115.5(b)]

2. An operational non-resettable four-digit (9,999) totalizing time meter, and a non-resettable fuel meter or acceptable alternative, shall be installed and maintained on this unit.
[17CCR93115.10(d) and 40CFR63.6625(e)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 20 hour per year limit.
[17CCR93115.6(b)(3)]

4. The hour limits indicated in Condition 3 above do not apply to in-use emergency fire pump assemblies that are driven directly to stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". [17CCR93115.3(n)]

5. This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ. Pursuant to this regulation the equipment shall demonstrate continuous compliance by committing to a maintenance schedule that includes the following:

   a. Change oil and filter every 500 hours of operation or annually, whichever comes first;1
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement of this subpart. [40CFR63.6603(a) and Table 2d]

6. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

7. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
   [40CFR63.6625(h) and Table 2d]
8. Operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
   [40CFR63.6625(e)]

9. Records of the following shall be maintained:
   a. Date and duration (in hours) of each use
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]
   b. Reason for use (testing and maintenance, emergency, non-emergency, compliance testing)
      [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]
   c. Cumulative annual hours of operation

[AVAQMD Rule 1110.2]

d. Cumulative annual fuel consumption (in gallons)
[AVAQMD Rule 1110.2]
e. Fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).
[17CCR93115.5(b)]
f. Occurrence and duration of each malfunction of the equipment
[40CFR63.6655(a)(2)]
g. All required maintenance performed on the equipment
[40CFR63.6655(a)(4)]

The records, either paper or computerized, shall be kept on-site and available for review at any time by District, State, or Federal personnel.

10. Actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[40CFR63.6655(a)(5)]

11. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

District/State-only enforceable sections

12. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17CCR93115.6(b)(1)]

13. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]

14. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17CCR93115.6(c)]

CDM A – Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and

the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

15. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

16. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

LL. CONDITIONS APPLICABLE TO FOUR STATIONARY PROPANE FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT #'S E013597, E013598 AND E013599

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
[40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel only.
[40 CFR 60.4243]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d)]

4. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing,

etc.);
c. Monthly and calendar year operation in terms of fuel consumption (in cubic feet or therms) or total hours;
d. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
e. Records of all required source tests and source test results.
[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

5. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

6. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g), AVAQMD Rule 1302]

7. This engine shall be initially source tested in accordance with the procedures outlined in 40 CFR 60.4244 no later than 90 days after installation is complete and the source test results must verify that the engine meets the following maximum emission limits (measured at standard conditions):
a. NOx: 2.0 g/bhp-hr
b. VOC: 1.0 g/bhp-hr
c. CO: 4.0 g/bhp-hr
d. PM10: 0.0095 lbs/MMbtu
e. SOx: 0.0006 lb/MMbtu

   Additionally, the engine shall also be source tested in accordance with the procedures outlined in 40 CFR 60.4244 whenever any of the following events occur:
a. Within 90 days after the three-way catalyst is replaced.
b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column from the initial source test.

8. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage.
[District Rule 1110.2(F)(1)(a) and (b)]

9. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJJ).
[District Rule 1302]

   The records, either paper or computerized, shall be kept on-site and available for review at any time by District, State, or Federal personnel.

District/State-only enforceable sections

10. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

11. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 60.4243(d)(3)]

12. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

MM. <u>CONDITIONS APPLICABLE TO TWO SPRAY BOOTHS AND ONE SPRAY HANGAR; AVAQMD PERMIT #'S S006411, S006412, AND S006447</u>

1. Spray booth shall not be operated unless all exhaust air passes through filter media which meets the requirements of 40 CFR 63.745(g).
[40 CFR 63 Subpart GG]

2. In accordance with the Aerospace NESHAP 40 CFR Subpart GG, a gauge shall be installed to indicate the static pressure, in inches w.g., across the exhaust filters. If the pressure drop across the exhaust filters falls outside the limit(s) specified by the filter manufacturer or in District approved locally prepared operating procedures, the unit shall be shut down until the filters have been changed, or other action is taken to return the pressure drop to within the allowable limit(s).
[40 CFR 63 Subpart GG]

CDM A – Compliance shall be demonstrated with either a log containing the air filter pressure differential in accordance with the Aerospace NESHAP 40 CFR 63 Subpart GG. The compliance demonstration documentation, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

3. Material safety data sheets for all coatings, adhesives and solvents used in this equipment shall be kept current and made available to District, State or Federal personnel upon request.
[District Rule 204]

4. A log shall be maintained containing the following:

   a. Rule 109 daily usage records,
   b. System inspection records, and
   c. Pressure differential recordings

   The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel.

5. The total quantity of VOCs emitted from surface coating operations (including hand surface preparation operation and equipment clean-up) at this booth shall not exceed 430 pounds in any day, midnight to midnight.
[BACT Limiting Condition AVAQMD Rule 1303(A)(1)]
CDM A – Compliance shall be demonstrated by keeping adequate records to verify daily usage and daily VOC emissions in accordance with Rule 109. The records, either paper or computerized shall be kept on-site and available for review upon request by District, State, or Federal personnel.

6. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[Rule 1303]

   CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

7. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

EQUIPMENT LOCATED AT SITE 8

NN. CONDITIONS APPLICABLE TO ONE STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATOR, AVAQMD PERMIT # E008856:

1. This equipment shall only be fired on diesel fuel that meets the requirements of CARB Diesel Fuel as defined in 17CCR93115.4(a)(8) or an alternative fuel that meets the requirements of 17CCR93115.5(b)(2-6).
   [17CCR93115.5(b)]

2. An operational non-resettable four-digit (9,999) totalizing time meter, and a non-resettable fuel meter or acceptable alternative, shall be installed and maintained on this unit.
   [17CCR93115.10(d) and 40CFR63.6625(e)]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than twenty (20) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 20 hour per year limit.
   [17CCR93115.6(b)(3)]

4. The hour limits indicated in Condition 4 above do not apply to in-use emergency fire pump assemblies that are driven directly to stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems".
   [17CCR93115.3(n)]

5. This engine is subject to the requirements of 40 CFR 63 Subpart ZZZZ. Pursuant to this regulation the equipment shall demonstrate continuous compliance by committing to a maintenance schedule that includes the following:
   a. Change oil and filter every 500 hours of operation or annually, whichever comes first;1
   b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
   c. Inspect hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

   Sources have the option to utilize an oil analysis program as described in §63.6625(i) or (j) in order to extend the specified oil change requirement of this subpart. [40CFR63.6603(a) and Table 2d]

6. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required above, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[40CFR63.6603]

7. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
[40CFR63.6625(h) and Table 2d]

8. Operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
[40CFR63.6625(e)]

9. Records of the following shall be maintained:

   a. Date and duration (in hours) of each use
   [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]
   b. Reason for use (testing and maintenance, emergency, non-emergency, compliance testing)
   [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]
   c. Cumulative annual hours of operation
   [AVAQMD Rule 1110.2]
   d. Cumulative annual fuel consumption (in gallons)
   [AVAQMD Rule 1110.2]
   e. Fuel sulfur concentration (owner/operate may use the supplier's certification of sulfur content).
   [17CCR93115.5(b)]
   f. Occurrence and duration of each malfunction of the equipment.
   [40CFR63.6655(a)(2)]
   g. All required maintenance performed on the equipment
   [40CFR63.6655(a)(4)]

10. Actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
[40CFR63.6655(a)(5)]

11. The Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17CCR93115.6(b)(1)]

12. Pursuant to 40 CFR 63 Subpart ZZZZ section 63.6640(f), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a

facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines. [40 CFR 63.6640(f)]

13. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [17CCR93115.6(c)]

    Compliance shall be demonstrated with a log containing the date, hour(s) of operation, and the reason for use (testing and maintenance, emergency, compliance testing). The log, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.

14. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average. [Rule 1303]

    Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 ton per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of three years and available for review at any time by District, State or Federal personnel.

15. This equipment shall comply with all the applicable requirements of this facility's current federal operating permit including Part II - Facilitywide Applicable Requirements.

16. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request. [District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

OO. CONDITIONS APPLICABLE TO ONE STATIONARY PROPANE FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATOR, AVAQMD PERMIT # E015082:

1. This stationary, spark-ignited, internal combustion engine, air-fuel ratio controller, and control device (three-way catalyst) shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants.
   [40 CFR 60.4233(e), 60.4234, 60.4243(a),(d), and (g) - Subpart JJJJ - NSPS for Stationary Spark Ignition ICE]

2. This unit shall be fired on Commercial Grade Liquefied Petroleum Gas (LPG) fuel only.
[40 CFR 60.4243]

3. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit.
[40 CFR 60.4243(d)]

4. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similararrangement(s) with the electrical power supplier.
[40 CFR 60.4243(d), 60.4248]

5. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the three-way catalyst. Monitor the pressure drop across the three-way catalyst, and read and record the pressure drop when performing monthly maintenance inspections. Take corrective action when the pressure drop exceeds two and one-half (2.5) inches of water column from the initial reading.
[District Rule 1303]

6. The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
a. Date of each use and duration of each use (in hours);
b. Reason for each use (testing & maintenance, emergency, non-emergency, required emission testing, etc.);
c. Monthly and rolling 12 month operation in terms of fuel consumption (in cubic feet or therms) or total hours;
d. Monthly and annual pressure differential recording summaries;
f. Records of all maintenance and repair actions performed on the engine, the AFRC, and the three-way catalyst; and,
g. Records of all required source tests and source test results.
[40 CFR 60.4245, 40 CFR 1048, AVAQMD Rule 1110.2]

7. The air-to-fuel ratio (AFR) controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g), AVAQMD Rule 1302]

8. This engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 whenever any of the following events occur:
a. Within 90 days after the three-way catalyst is replaced.
b. Within 90 days after the differential pressure across the three-way catalyst changes by more than two and one half (2.5) inches water column

   The source test results must verify that the engine meets the following maximum emission limits

(measured at standard conditions):
a. NOx: 0.057 gm/bhp-hr
b. VOC: 0.003 gm/bhp-hr
c. CO: 0.250 gm/bhp-hr
[40 CFR 60.4243(b)(2)(ii), 40 CFR 60.4244, District Rules 1302 and 1303]

9. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. Additionally, a non-resettable fuel meter (or acceptable alternative as approved by the APCO) shall be installed and maintained on this unit to indicate fuel usage.
[District Rule 1110.2(F)(1)(a) and (b)]

10. This engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302]

11. Pursuant to 40 CFR 60 Subpart JJJJ section 60.4243(d)(3), this stationary emergency engine may be operated up to 50 hours per year for limited non-emergency purposes. The 50 hours per year for non-emergency situations cannot be used for peak shaving or demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. If the engine operates for non-emergency purposes contrary to these requirements, the engine will no longer be considered an emergency engine and must meet all requirements for non-emergency engines.
[40 CFR 60.4243(d)(3)]

12. VOC emissions at this facility shall not exceed 712 tons/year and 118,625 pounds in any 30 day period based on a 30 day rolling average.
[District Rule 1303]

    CDM - Compliance shall be determined by reviewing the facility's computerized emissions tracking database monthly, verifying that the VOC emissions from every permitted piece of equipment are recorded and that the total VOC emissions during the previous 12 month period remain below the 712 tons per year limit and the 118,625 lb/30 day rolling average. Records of these 12 month and 30 day rolling totals shall be retained on-site for a minimum period of five years and available for review at any time by District, State, or Federal personnel.

13. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b); H&S Code 39607, 44341-44342, and 93403; and 40 CFR Part 51, Subpart A]

PART IV
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.
   [40 CFR 70.6(a)(5); Rule 3003(D)(1)(f)(i)]

2. The Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of AVAQMD Regulation XXX and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.
   [40 CFR 70.6(a)(6)(i); Rule 3003(D)(1)(f)(ii)]

3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).
   [40 CFR 70.6(a)(6)(ii); Rule 3003(D)(1)(f)(iii)]

4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
   [40 CFR 70.6(a)(6)(iii); Rule 3003(D)(1)(f)(iv)]

5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay the operation of any condition contained in this Federal Operating Permit.
   [40 CFR 70.6(a)(6)(iii); Rule 3003(D)(1)(f)(v)]

6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
   [40 CFR 70.6(a)(6)(iv); Rule 3003(D)(1)(f)(vi)]

7. The Owner/Operator shall furnish to the AVAQMD, within a reasonable time as specified by the AVAQMD, any information that the AVAQMD may request in writing
   [40 CFR 70.6(a)(6)(v); Rule 3003(D)(1)(f)(vii)]

8. The Owner/Operator shall furnish to District, State or Federal personnel, upon request, copies of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.
   [40 CFR 70.6(a)(6)(v); Rule 3003(D)(1)(f)(viii)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.
   [40 CFR 70.6(a)(3)(ii)(B); Rule 3003(D)(1)(d)(ii)]

10. The Owner/Operator shall pay all applicable fees as specified in AVAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 3003(D)(1)(f)(ix)]

11. The Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.
[40 CFR 70.6(a)(8); Rule 3003(D)(1)(f)(x)]

12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s).
[40 CFR 70.6(f)(1); Rule 3003(G)(1)]

13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.
[40 CFR 70.6(f)(3)(i); Rule 3003(G)(3)(a)]

14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.
[40 CFR 70.6(f)(3)(ii); Rule 3003(G)(3)(b)]

15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); Rule 3003(G)(3)(c)]

16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the AVAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 3003(G)(3)(d)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.
[40 CFR 70.4(b)(12)(ii)(B); Rule 3003(G)(3)(e)]

18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.
[40 CFR 70.4(b)(14)(iii); Rule 3003(G)(3)(f)]

19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 3003 (G)(3)(g)]

20. If the Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, the Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.

[40 CFR Part 82, Subpart F]

21. If the Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.
[40 CFR Part 82, Subpart B]

22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.
[Section 113(a) of the Clean Air Act]

PART V
OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO(S):

Pursuant to 40 CFR 63 Subpart GG National Emission Standards for Aerospace Manufacturing and Rework Facilities Section § 63.745 Standards: Primer, topcoat, and specialty coating application operations. The Palmdale Aircraft Integration Center of Excellence is authorized to use Section (g) (4) (ix) which exempts coatings containing inorganic HAPs from being spray applied in a booth, hangar, or portable enclosure as required in Section (g) (1) of the regulation. AVAQMD's authorization is for large aerospace subassemblies or completed vehicles where the stage of assembly precludes placement inside a control enclosure. This consistent with Antelope Valley Air Quality Management District's Section (b) (5) of Rule 481- Spray Coating Operations.

This exemption allows Northrop Grumman to spray apply primers, topcoats, and specialty coatings containing inorganic HAPs in the following areas listed in Table I

Table I
Pre-identified Open Spray Areas

Program or Area	Building	Site (Plant)
F35	401	4
Special Access	401	4
B2	430	4
B2	435	4
Autonomous	307	3
Autonomous	720	7
Autonomous	730	7
Autonomous	740	7
ATDC	301	3
ATDC	305	3
ATDC	335	3
ATDC	336	3

PART VI
CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. THE FOLLOWING REFERENCING CONVENTIONS ARE USED IN THIS FEDERAL OPERATING PERMIT:

40CFR60, Standards of Performance for New Stationary Sources (NSPS)

40CFR60, Appendix F, Quality Assurance Procedures

40CFR61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)

40CFR61, Subpart M, National Emission Standards for Asbestos

40CFR63, National Emission Standards for Hazardous Air Pollutants (NESHAPS)

40CFR63, Subpart GG, Aerospace Manufacturing and Rework Facilities

40CFR63, Subpart WWWW, Reinforced Plastics Composite Production

40CFR63, Subpart DDDDD, Industrial, Commercial, Institutional Boilers and Process Heaters

40CFR63, Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines

B. OTHER CONVENTIONS:

1. Unless otherwise noted, a "day" shall be considered a 24 hour period from midnight to midnight (i.e., calendar day).

2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

C. ABBREVIATIONS USED IN THIS PERMIT ARE AS FOLLOWS:

APCO	Air Pollution Control Officer
ATCM	Airborne Toxic Control Measure
AVAQMD	Antelope Valley Air Quality Management District
Bhp	brake horse power
Btu	British thermal units
CARB	California Air Resources Board
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CDM	compliance demonstration method
CO	carbon monoxide

CFR	Code of Federal Regulations
District	Antelope Valley Air Quality Management District
FR	Federal Register
HAP	hazardous air pollutant
HVLP	high volume low pressure
ICE	internal combustion engine
lb	pounds
lb / hr	pounds per hour
LPG	liquefied petroleum gas
NOx	oxides of nitrogen
NO2	nitrogen dioxide
PAPCE	portable air pollution control equipment
PEMS	predictive emission monitoring system
ppbv	parts per billion by volume
ppmv	parts per million by volume
PTO	permit to operate
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
VEE	visible emissions evaluation
VOC	volatile organic compound

D. DEFINITIONS:

For the purposes of AVAQMD rules and their use in this Federal Operating Permit, the definitions contained in the specified AVAQMD rule shall apply.

PART VII
DISTRICT SIP HISTORY AND CITATIONS

A. District Rule SIP History:

1. For Rule SIP History including approval, pending approval, etc., see: https://avaqmd.ca.gov/files/ef0e19951/AV+Full+SIP+Table+2021+25+Aug.pdf

B. District Rule SIP Citations:

1. District Rule SIP Citations are on the following pages

Rules in the SIP for the AVAQMD

Agency	Rule #	Rule Title	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
LA	2	Definition of Atmosphere	AV 102 05/17/05	Unknown			3/20/1998	63 FR 13529
LA	51	Nuisance		Pre 1972	6/30/1972		5/31/1977	37 FR 19812
LA	51	Nuisance			?	?	?	?
LA	52	Particulate Matter - Concentration			6/30/1972	40 CFR 52.227(c)(3)(i)	6/14/1978	43 FR 25684
LA	52	Particulate Matter - Concentration				40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
LA	52	Particulate Matter - Concentration	AV 404 02/07/86	Unknown		?	?	?
LA	53.6	(Title Unknown)	Unknown	?	?	40 CFR 52.220(b) and (c)(1-2)	5/13/1972	37 FR 10842
LA	54	Solid Particulate Matter Weight				40 CFR 52.220(c)(1-2)	9/22/1972	37 FR 19812
LA	54	Solid Particulate Matter Weight	AV 405 02/07/86	Unknown	N/A	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
LA	56	Scavenger Plants			6/6/1977	40 CFR 52.220(c)(39)(iv)(C)	9/8/1978	43 FR 40011
LA	56	Scavenger Plants	AV 301 06/18/13	Unknown				
LA	57	Open Fires			7/25/1973	40 CFR 52.220(c)(21)(vi)(A)	6/14/1978	43 FR 25684
LA	57	Open Fires	AV 208 05/17/05; 444 02/19/08	Unknown				
LA	57.2	Open Burning, Antelope Valley Basin			6/30/1972	40 CFR 52.220(b) and (c)(1-2)	9/22/1972	37 FR 19812
LA	57.2	Open Burning, Antelope Valley Basin	AV 208 05/17/05; 444 02/19/08	Unknown	N/A	40 CFR 52.273(B)(7)(i)	9/8/1978	43 FR 40011
LA	58	Disposal of Solid and Liquid Wastes			6/30/1972	40 CFR 52.220(c)(1-2)	9/22/1977	37 FR 19812
LA	58	Disposal of Solid and Liquid Wastes			N/A	40 CFR 52.227(c)(3)(ii)	6/14/1978	43 FR 25684
LA	58	Disposal of Solid and Liquid Wastes	AV 473 07/07/76	Unknown	N/A	40 CFR 52.228(b)(1)(iii)(A)	9/8/1978	43 FR 40011
LA	66c	(Title Unknown)				40 CFR 52.240(a)(6)	1/16/1981	46 FR 3883
LA	66c	(Title Unknown)	Unknown	Unknown				
LA	66.2	Disposal and Evaporation of Solvents	AV 442 11/15/05	Unknown	6/30/1972		9/22/1977	37 FR 19812
LA	67	Fuel Burning Equipment			11/19/1979	40 CFR 52.220(c)(78)(i)(A)	5/18/1981	46 FR 27116
LA	67	Fuel Burning Equipment			N/A	40 CFR 52.280(b)(1)(i)	5/18/1981	46 FR 27116
LA	67	Fuel Burning Equipment	By equipment type	Unknown				
LA	68	Fuel Burning Equipment, Oxides of Nitrogen				40 CFR 52.240(d)(1)(4)	1/16/1981	46 FR 3883
LA	69	Vacuum Producing Devices or Systems	By equipment type	Unknown	N/A	40 CFR 52.229 (c)(1)	6/14/1978	43 FR 25684
LA	69	Vacuum Producing Devices or Systems	AV 465 Rescinded 06/17/08	Unknown	N/A	40 CFR 52.269(b)(3)(i)(A)	9/8/1978	43 FR 40011
LA	72	Fuel Burning Equipment			11/19/1979	40 CFR 52.220(c)(78)(i)(A)	5/18/1981	46 FR 27116
LA	72	Fuel Burning Equipment	By equipment type	Unknown		40 CFR 52.280(b)(1)(i)	5/18/1981	46 FR 27116
LA	72.1	(Title Unknown)				40 CFR 52.240(a)(2) & (d)(1)(i)	1/16/1981	46 FR 3883
LA	72.1	(Title Unknown)	Unknown	Unknown				
LA	72.2	(Title Unknown)				40 CFR 52.240(a)(2) & (d)(1)(ii)	01/16/01981	46 FR 3883
LA	72.2	(Title Unknown)	Unknown	Unknown				
AV	101	Title	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(2)	9/2/2008	73 FR 51226
AV	102	Definition of Terms	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(2)	9/2/2008	73 FR 51226
AV	103	Definition of Geographical Area	35689	Current		40 CFR 52.220(c)(254)(i)(E)(2)	12/31/1998	63 FR 72197
LA	104	Reporting of Source Test Data Analysis			6/6/1977	40 CFR 52.220(c)(39)(iii)(C)	9/8/1978	43 FR 40011
SC	104	Reporting of Source Test Data Analysis	27768	Current	3/26/1990			
AV	105	Authority to Arrest	38489	Not SIP	3/10/1998	40 CFR 52.220(31)(vi)(E) & (39)(iii)(G)	1/18/2002	67 FR 2573

Rules in the SIP for the AVAQMD

Agency	Rule #	Rule Title	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
AV	106	Increments of Progress	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(3)	9/2/2008	73 FR 51226
SC	107	Determination of Volatile Organic Compounds in Coating Material (Rescinded 3/6/92)	Rescinded 3/6/1992	1/8/1982		?	10/11/1983	78 FR 21541
AV	107	Certification of Submissions and Emissions Statements	41034	Current		40 CFR 52.220(c)(423(i)(D)(1)	4/11/2013	78 FR 21545
AV	108	Alternate Emission Control Plans	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
AV	109	Record Keeping for Volatile Organic Compound Emissions	40288	Current	7/20/2010	40 CFR 52.220(c)(381)(i)(G)(2)	3/1/2012	77 FR 12495
AV	201	Permit to Construct	35661	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(E)(3)	2/22/2005	70 FR 8518
LA	202	Temporary Permit to Operate		1/9/1976	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
AV	203	Permit to Operate (Amended 08/19/1997)	35661	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(E)(3)	2/22/2005	70 FR 8518
AV	204	Permit Conditions	35661	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(E)(3)	2/22/2005	70 FR 8518
AV	205	Expiration of Permits to Construct	35661	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(E)(3)	2/22/2005	70 FR 8518
LA	206	Posting of Permit to Operate		1/9/1976	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
AV	206	Posting Of Permit to Operate	35661	(SIP Sub)	3/10/1998			
LA	207	Altering of Falsifying of Permit	27768	Current	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
AV	208	Permit for Open Burning	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
SC	209	Transfer and Voiding of Permit		11/1/1985	8/12/1986	40 CFR 52.220(c)(169)(i)(B)(1)	4/10/1989	54 FR 14224
AV	210	Applications	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
AV	212	Standards for Approving Permits	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
LA	213	Standards for Permits to Construct: Air Quality Impact		10/8/1976	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
LA	213.1	Standards for Permits to Construct: Air Quality Impact		10/8/1976	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
LA	213.2	Definitions for Rules 213 and 213.1		10/8/1976	6/6/1977	40 CFR 52.220(c)(39)(iii)(B)	11/9/1978	43 FR 52237
AV	217	Provisions for Sampling and Testing Facilities	35661	Current	3/10/1998	40 CFR 52.220(c)(254)(i)(E)(3)	2/22/2005	70 FR 8518
AV	218	Continuous Emission Monitoring	40956	Current	2/6/2013	40 CFR 52.220(c)(423)(i)(B)(1)	9/30/2013	78 FR 59840
AV	218.1	Continuous Emission Monitoring Performance Specifications	40956	Current	2/6/2013	40 CFR 52.220(c)(423)(i)(B)(2)	9/30/2013	78 FR 59840
SC	219	Equipment Not Requiring a Written Permit Pursuant to Regulation II		9/4/1981		40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
AV	219	Equipment Not Requiring A Permit	44362	(SIP Sub)	8/3/2021			
AV	220	Exemption, Net Increase in Emissions	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
AV	221	Plans	38489	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
AV	225	Federal Operating Permit Requirement			2/16/1999		1/16/2004	69 FR 2511
AV	226	Limitation on Potential to Emit	40561	Not SIP				
AV	226	Limitation on Potential to Emit		5/17/2005	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(4)	9/2/2008	73 FR 51226
AV	312	Fees for Federal Operating Permits	40561	(SIP Sub)				
AV	315	Federal Clean Air Act Section 185 Penalty	42206	5/19/1998				
SC	401	Visible Emissions	40834	(SIP Sub)				
AV	403	Fugitive Dust		3/2/1984	7/18/1984	40 CFR 52.220(c)(155)(iv)(B)	1/29/1985	50 FR 3906
SC	404	Particulate Matter, Concentration	40288	Current	7/20/2010	40 CFR 52.220(c)(381)(i)(G)(3)	12/10/2014	79 FR 73203
SC	405	Solid Particulate Matter, Weight		10/5/1979	12/17/1979	?		
SC	407	Liquid and Gaseous Air Contaminants	30043	Current	8/6/1982	40 CFR 52.220(c)(124)(iv)(A)	11/10/1982	47 FR 50864
LA	408	Circumvention	27887	Current	6/6/1977	40 CFR 52.220(c)(39)(iii)(C)	9/8/1978	43 FR 40011
SC	409	Combustion Contaminants	29805	Current	10/23/1981	40 CFR 52.220(c)(103)(xviii)(A)	7/6/1982	47 FR 29231
AV	431.1	Sulfur Content of Gaseous Fuels	41142	Current	4/22/2013	40 CFR 52.220(c)(429)(i)(B)(1)	9/30/2013	78 FR 59840
SC	431.2	Sulfur Content of Liquid Fuels		2/2/1979	4/23/1980	40 CFR 52.220(c)(69)(ii)	9/28/1981	46 FR 47451
SC	431.3	Sulfur Content of Fossil Fuels	27887	Current	7/25/1979	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
LA	432	Gasoline Specifications	27887	Current	6/6/1977	40 CFR 52.220(c)(39)(iii)(C)	9/8/1978	43 FR 40011
AV	442	Usage of Solvents	38661	Current	3/10/2006	40 CFR 52.220(c)(344)(i)(A)(1)	10/31/2006	71 FR 63696
LA	443	Labeling of Solvents	27491	Current	6/6/1977	40 CFR 52.220(c)(39)(iii)(C)	9/8/1978	43 FR 40011
SC	443.1	Labeling of Materials Containing Organic Solvents	31751	Current?			9/14/1988	53 FR 35528
AV	444	Open Fires	39497	Current	7/18/2008	40 CFR 52.220(c)(359)(i)(D)(1)	9/11/2009	74 FR 27716
AV	461	Gasoline Transfer and Dispensing	39742	Current	4/6/2009	40 CFR 52.220(c)(366)(i)(C)(1)	1/31/2011	76 FR 5277
SC	462	Organic Liquid Loading		10/14/1979	7/25/1980	40 CFR 52.220(c)(88)(iii)(B)	7/8/1982	47 FR 29668
AV	462	Organic Liquid Loading	42997	(SIP Sub)				
AV	463	Storage of Organic Liquids	34404	Current	5/24/1995	40 CFR 52.220(c)(197)(i)(A)(2)	10/28/1996	61 FR 54941
SC	464	Wastewater Separators	33214	Current	5/13/1990	40 CFR 52.220(c)(184)(i)(B)(6)	2/24/1997	62 FR 8171
LA	468	Sulfur Recovery Units	28041	Current	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
LA	469	Sulfuric Acid Units		5/7/1976	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
LA	470	Asphalt Air Blowing	27887	Current	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
LA	472	Reduction of Animal Matter	27887	Current	6/6/1977	40 CFR 52.220(c)(39)(ii)(C)	9/8/1978	43 FR 40011
SC	474	Fuel Burning Equipment - Oxides Of Nitrogen	29924		3/1/1982	40 CFR 52.220(c)(121)(i)(A)	7/6/1982	47 FR 29231
LA	475	Electric Power Generation Equipment		10/8/1976	6/6/1977	40 CFR 52.220(c)(97)(ii)(C)	9/8/1978	43 FR 40011

Rules in the SIP for the AVAQMD

Agency	Rule #	Rule Title	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
LA	476	Steam Generating Equipment	28041	Current	6/6/1977	40 CFR 52.220(c)(37)(i)(A)	9/8/1978	43 FR 40011
SC	481	Spray Coating Operations	28615	Current	1/2/1979	40 CFR 52.220(c)(47)(i)(B)	1/21/1981	46 FR 5965
AV	701	Air Pollution Episodes Contingency Actions	41779	Current		40 CFR 52.220(c)(457)(i)(F)(1)	10/5/2015	80 FR 60040
SC	1102	Petroleum Solvent Dry Cleaners	33214	Current	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1102.1	Perchloroethylene Dry Cleaning Systems		12/7/1990	5/13/1991	40 CFR 52.220(c)(184)(i)(B)(1)	3/24/1992	57 FR 10136
SC	1104	Wood Flat Stock Coating Operations		3/1/1991	10/25/1991	40 CFR 52.220(c)(186)(i)(C)	6/23/1994	59 FR 32354
SC	1106.1	Pleasure Craft Coating Operations		5/1/1992	9/14/1992	40 CFR 52.220(c)(189)(I)(A)(6)	4/13/1995	60 FR 18750
SC	1107	Miscellaneous Metal Parts, Products and Coatigs Operations		5/12/1995	6/16/1995	40 CFR 50.220(c)(222)(i)(A)(1)	7/14/1995	60 FR 36230
AV	1107	Coating of Metal Parts & Products	43942		6/5/2020			
SC	1108	Cutback Asphalt	31079	Current	4/12/1985	40 CFR 50.220(c)(160)(i)(E)(1)	7/12/1990	55 FR 28624
SC	1108.1	Emulsified Asphalt	30624	Current	3/14/1984	40 CFR 52.220(c)(153)(vii)(A)	1/24/1985	50 FR 3338
SC	1110	Emissions from Stationary Internal Combustion Engines		11/6/1981	3/1/1982	40 CFR 52.220(c)(121)(i)(C)	5/3/1984	49 FR 18822
AV	1110	Emissions from Stationary Internal Combustion Engines.	Rescinded 1/15/2013	(SIP Sub)	5/13/2014			
AV	1110.2	Emissions from Gaseous & Liquid Fueled Internal Combustion Engines	43351	(SIP Sub)	10/29/2018		4/5/2021	86 FR 17567
SC	1111	Nox Emissions from Natural Gas Fired Fan Type Central Furnaces	30505	Current	10/27/1983	40 CFR 52.220(c)(148)(ii)(A)	5/3/1984	49 FR 18830
AV	1113	Architectural Coatings	41443	Current	5/13/2014	40 CFR 52.220(c)(441)(i)(E)(3)	12/8/2015	80 FR 76222
SC	1120	Asphalt Pavement Heaters	28706	Current	7/25/1979	40 CFR 52.220(c)(65)(ii)	9/28/1981	46 FR 47451
SC	1121	Control of Nitrogen Oxides from Residential Type, Natural Gas Fired Water Heaters	34768	Current	5/24/1995	40 CFR 52.220(c)(220)(i)(C)(1)	11/1/1996	61 FR 56470
SC	1122	Solvent Metal Cleaners (Degreasers)	33333	Current	5/13/1993	40 CFR 52.220(c)(193)(A)(3)	11/4/1996	61 FR 56627
AV	1124	Aerospace Coating Operations	41506	Current	5/13/2014	40 CFR 52.220(C)(441)(i)(E)(1)	10/05 2015	80 FR 60040
AV	1130	Graphic Arts	41597	Current	5/13/2014	40 CFR 52.220(c)(441)(i)(E)(2)	10/5/2015	80 FR 60040
SC	1130.1	Screen Printing Operations	35412	Current	11/18/1993	40 CFR 52.220(c)(194)(i)(G)(1)	6/12/1996	61 FR 29659
AV	1134	Stationary Gas Turbines	40197	Current	7/10/2010	40 CFR 52.220(c)(381)(i)(G)(1)	1/18/2012	77 FR 2469
SC	1136	Wood Furniture and Cabinet Coatings		9/8/1995	10/16/1995	40 CFR 52.220(c)(225)(i)(A)(1)	10/31/1995	60 FR 55312
SC	1140	Abrasive Blasting		2/1/1980	4/2/1980	40 CFR 52.220(c)(67)(i)(B)	9/28/1981	46 FR 47451
SC	1141.1	Coatings and Ink Manufacturing		11/4/1983	10/27/1984	40 CFR 52.220(c)(153)(vii)(B)	1/24/1985	50 FR 3339
SC	1145	Plastic, Rubber and Glass Coatings and Adhesives		1/10/1992	1/11/1993	40 CFR 52.220(c)(191)(i)(A)(1)	12/20/1993	58 FR 66286
SC	1145	Plastic, Rubber and Glass Coatings and Adhesives	35475	(SIP Sub)				
SC	1146	Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers etc	34467	Current	7/13/1994	40 CFR 52.220(c)(198)(i)(H)(1)	9/6/1995	60 FR 46220
SC	1146.1	Emissions of Oxides of Nitrogen from Small Industrial, Institutional and Commercial Boilers, Steam Generators , Process Heaters	34467	Current	7/11/1994	40 CFR 52.220(c)(198)(i)(H)(1)	9/6/1995	60 FR 46220
			31142	Current				
			31338	Current				
AV	1151	Motor vehicle and Mobile Equipment Coating Operations	41079	Current	9/21/2012	40 CFR 52.220(c)(423)(i)(D)(2)	9/24/2013	78 FR 58459
AV	1151.1	Motor Vehicle Assembly Coating Operations	42906	Current	8/9/2017	40 CFR 52.220(c)(503)(i)(A)(1)	5/24/2018	83 FR 24033
SC	1153	Commercial Bakery Ovens	34712	Current	2/24/1995	40 CFR 52.220(c)(215)(i)(A)(2)	8/8/1995	60 FR 40286
SC	1162	Polyester Resin Operations	34467	Current	5/24/1994	40 CFR 52.220(c)(197)(i)(A)(1)	8/25/1994	59 FR 43751
SC	1164	Semiconductor Manufacturing Operations	34712	Current	2/24/1995	40 CFR 52.220(c)(215)(i)(A)(4)	2/1/1996	61 FR 3579
AV	1168	Adhesive Applications	40806	Current	12/23/2012	40 CFR 52.220(c)(411)(i)(D)(1)	9/20/2012	77 FR 58313
AV	1171	Solvent Cleaning		11/17/1998		40 CFR 52.220(c)(262)(i)(E)(2)	5/24/2001	66 FR 28866
AV	1171	Solvent Cleaning				40 CFR 52.220(c)(262)(i)(E)(1)	1/16/2004	69 FR 2509
AV	1171	Solvent Cleaning	43333	(SIP Sub)				
AV	1173	Fugitive Emissions of Volatile Organic Compounds	39616	Current	10/20/2008	40 CFR 52.220(c)(361)(i)(B)(1)	8/28/2009	74 FR 44294
SC	1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products	34467	Current	5/24/1994	40 CFR 52.220(c)(197)(i)(A)(1)	8/25/1994	59 FR 43754
SC	1176	Sumps and Wastewater Separtors		5/13/1994	5/24/1994	40 CFR 52.220(c)(197)(i)(A)(i)	8/25/1997	59 FR 43754
SC	1179	Publically Owned Treatment Works Operations	33669	Current	9/14/1992	40 CFR 52.220(c)(189)(i)(A)(5)	10/4/1994	59 FR 50498
AV	1300	General	44397	(SIP Sub)	8/3/2021			
SC	1301	General			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR 64291
AV	1301	Definitions	44397	(SIP Sub)	8/3/2021			
SC	1302	Definitions			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR 64291
AV	1302	Procedure	44397	(SIP Sub)	8/3/2021			
SC	1303	Requirements			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)		61 FR 64291
AV	1303	Requirements	44397	(SIP Sub)	8/3/2021			
SC	1304	Emissions Calculations			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR64291
AV	1304	Emissions Calculations	44397	(SIP Sub)	8/3/2021			
LA	1305	Special Permit Provisions			7/10/1984	40 CFR 52.220(c)(155)(iv)(B)		
AV	1305	Emissions Offsets	44397	(SIP Sub)	8/3/2021			
					8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)		61 FR 64291

Rules in the SIP for the AVAQMD

Agency	Rule #	Rule Title	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
AV	1306	Electric Energy Generating Facilities	44397	(SIP Sub)	8/3/2021			
LA	1307	Emissions Offsets				40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SC	1307	Emissions Offsets	Rescinded 6/28/1990	Not SIP?	10/30/2001		12/4/1996	61 FR 64291
SC	1308	Eligibillity of Emissions Offsets				40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SC	1308	Eligibillity of Emissions Offsets	Rescinded 6/28/1990	Not SIP?	8/28/1996			
SC	1309	Emission Reduction Credits			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR 64291
AV	1309	Emission Reduction Credits	44397	(SIP Sub)	8/3/2021			
SC	1309.1	Priority Reserve			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR 64291
AV	1309.1	Priority Reserve	Rescinded 3/20/2001		10/30/2001			
SC	1310	Analysis, Notice and Reporting	Rescinded 6/28/1990		8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)	12/4/1996	61 FR 64291
AV	1310	Federal Major Facilities and Federal Major Modifications	Rescinded 7/20/21		8/3/2021			
LA	1311	Power Plants		10/5/1979		40 CFR 52.220(c)(87)(v)(A)	6/9/1982	47 FR 25013
SC	1313	Permit to Operate			8/28/1996	40 CFR 52.220(c)(240)(i)(A)(1)		61 FR 64291
AV	1313	Permit to Operate	Rescinded 3/20/2001	(SIP Sub)	10/30/2001			
AV	1700	Prevention of Significant Deterioration	44397	(SIP Sub)	8/3/2021			
SC	1901	General Conformity	34586	Current	11/30/1994	40 CFR 52.220(c)(207)(i)(I)(1)	4/23/1999	64 FR 19916
AV	1902	Transportation Conformity	35195	(SIP Sub)	10/18/1996			
AV	2200	Transportation Outreach Program	36179	Current	10/29/199	40 CFR 52.220(c)(270)(i)(E)(2)	7/7/2017	83 FR 31457
AV	3000	General	40561					
AV	3001	Definitions	38461					
AV	3002	Applications	35871					
AV	3003	Federal Operating Permits	38461					
AV	3004	(Reserved - General Permits)	35871					
AV	3005	Modifications of Federal Operating Permits	38461					
AV	3006	Reopening, Reissuance & Termination of Federal Operating Permits	37152					
AV	3007	Notice & Comment	35871					
AV	3008	Certification	35871					
AV	3009	Appeals	35871					
AV	3010	Acid Rain Provisions of Federal Operating Permits	35871					
AV	3011	Greenhouse Gas Provisions of Federal Operating Permits	40561	N/A				
AV		NSPS Delegations (40 CFR 60 subparts D, Da, Db, Dc, E, Ea, F, G, H, I, J, K, Ka, Kb, L, M, N, Na, O, P, Q, R, S, U, V, W, X, Y, Z, AA, AAa, BB, CC, DD, EE, GG, HH, KK, LL, MM, NN, PP, QQ, RR, SS, TT, UU, VV, WW, AAA, BBB, DDD, FFF, GGG, HHH, JJJ, KKK, NNN, OOO, PPP, SSS, TTT, UUU, VVV)					4/30/2013	78 FR 25185
AV		NESHAP Delegations (40 CFR 61 subparts A, C, D, E, F, J, L, N, O, P, U, Y BB, FF)			12/5/2002	40 CFR 63.99(a)(5)(i)(B)(1)	12/19/2003	68 FR 70726
AV		Fed. Neg. Dec: Air Oxidation Processes (SOCMI)	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Cement Kilns	36235	Current	7/23/1999	40 CFR 52.222(b)(4)(ii)	5/17/2000	65 FR 31267
AV		Fed. Neg. Dec: Equipment Leaks from Natural Gas/Gasoline Processing Plants.	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Equipment used in Synthetic Organic Chemical Polymers and Resin Manufacturing	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed Neg. Dec: Gasoline Bulk Plants	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Glass Melting Furnaces	36235	Current	5/13/1999	40 CFR 52.222(b)(4)(i)	05/17/200	65 FR 31267
AV		Fed. Neg. Dec: Large Appliances, Surface Coating	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Leaks from Petroleum Refinery Equipment	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Magnet Wire Coating Operations	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Manufacture of High Density Polyethylene, Polypropylene and Polystyrene.	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Manufacture of Pneumatic Rubber Tires	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Manufacture of Synthesized Pharmaceutical Products	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Marine Coating Operations	35815	Current	6/23/1998	40 CFR 52.222(a)(6)(iii)		
AV		Fed. Neg. Dec: Marine Tank Vessel Operations	35815	(SIP Sub)				
AV		Fed. Neg. Dec: Metal Can and Coil Coating Operations	38034	Current	6/3/2004	40 CFR 52.222(a)(6)(v)	9/21/2004	69 FR 56355
AV		Fed. Neg. Dec: Motor Vehicle Assembly & Component Coating Operations	35752	Current	1/12/1999	40 CFR 52.220(a)(6)(I)	5/17/2000	65 FR 31267
AV		Fed. Neg. Dec: Nitric Acid Units	36543	Current	3/28/2000	40 CFR 52.222(b)(4)(iii)	11/3/2000	65 FR 66175

Rules in the SIP for the AVAQMD

Agency	Rule #	Rule Title	Rule Book Version	SIP Version	Submit Date	CFR	FR Date	FR Cite
AV		Fed. Neg. Dec: Petroleum Coke Calcining Operations - Oxides of Sulfur	40561	Current	6/20/2011	40 CFR 52.222(a)(6)(ix)	3/1/2012	77 FR 12491
AV		Fed. Neg. Dec: Petroleum Liquid Storage in External Floating Roof Tanks	40470	Current	1/7/2011	40 CFR 52.222(a)(6)(viii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Pharmaceuticals & Cosmetic Manufacturing Operations	36543	Current	3/28/2000	40 CFR 52.222(a)(6)(iv)	11/3/2000	65 FR 66175
AV		Fed. Neg. Dec: Reactor and Distillation Processes (SOCMI)	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Refinery Process Turnaround	35752	Current	2/16/1999	40 CFR 52.220(a)(6)(ii)	5/17/2000	65 FR 31267
AV		Fed. Neg. Dec: Refinery Vacuum-Producing Systems, Wastewater Separators and Process Unit Turnarounds	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Resin Manufacturing	38063	Current	7/19/2004	40 CFR 52.222(a)(6)(vi)	9/21/2004	69 FR 56355
AV		Fed. Neg. Dec: Ship Repair Operations	40470	Current	1/7/2011	40 CFR 52.222(a)(6)(viii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Storage of Petroleum Liquids in Fixed Roof Tanks	40470	Current	1/7/2011	40 CFR 52.222(a)(6)(viii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Surfactant Manufacturing	38063	Current	7/19/2004	40 CFR 52.222(a)(6)(vi)	9/21/2004	69 FR 56355
AV		Fed. Neg. Dec: Tank Truck Gasoline Loading Terminals > 76,000 L	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Thermally Enhanced Oil Recovery Wells	35815	Current	6/23/1998	40 CFR 52.222(a)(6)(iii)		
AV		Fed. Neg. Dec: Wood Furniture Surface Coating	38979	Current	1/31/2007	40 CFR 52.222(a)(6)(vii)	7/1/2011	76 FR 38572
AV		Fed. Neg. Dec: Oil & Gas (CTG)	43851	Current	4/30/2020	40 CFR 52.220(a)(6)(xii)	1/15/2021	86 FR 3816
AV		FND 20 CTG Source Categories	42206	Current	10/23/2015	40 CFR 52.220(c)(493)(ii)(2) 40 CFR 52.222(a)(6)(x)	10/10/2017	82 FR 46923
AV		FND 7 CTG Source Categoies	42724	Current	6/7/2017	40 CFR 52.220(c)(493)(ii)(2) 40 CFR 52.222(a)(6)(xi)	10/10/2017	82 FR 46923

APPENDIX A
APPLICABLE RULES

THIS FACILITY IS SUBJECT TO THE FOLLOWING RULES AND REGULATIONS:

APPENDIX A

AVAQMD Rule 109 Recordkeeping for Volatile Organic Compound Emissions

An owner or operator of a stationary source using adhesives, coatings, solvents, and/or graphic arts materials with a VOC content > 20 g/l and subject to this rule shall maintain daily records of operations for the most recent five (5) year period. The records shall be retained on the premises of the affected operation for a period of not less than five (5) years. Said records shall be made available to the District upon request. The records shall include, but not be limited to, the following:

a. Each applicable AVAQMD Rule number pertinent to the operation for which records are being maintained;

b. A list of the permit units involved in the operation(s) using adhesives, coatings, solvents, and/or graphic arts materials with a VOC content > 20 g/l;

c. The method of application and substrate type;

d. The amount and type of adhesive, coating (including catalyst and reducer), solvent, and/or graphic arts material used in each permit unit or dispensing station (when permitted equipment is not involved), including exempt compounds (containers of one pint or less may be recorded in an alternative manner including but not limited to assuming full consumption on day of first use and/or calculating an average daily consumption by determining the number of operating days a single pint container of material was in active use at a facility);

e. The VOC content in each adhesive, coating (including catalyst and reducer), solvent, and/or graphic arts material;

f. The amount of diluent, surface preparation, clean-up, or wash-up solvent (including exempt compounds) used and the VOC content of each (containers of one pint or less may be recorded in an alternative manner);

g. Where applicable, the vapor pressure of solvents used as surface cleaners [AVAQMD Rule 109(c)(1)]

AVAQMD Rule 442 Usage of Solvents

Except as provided in Rule 442(D) [Exemptions], no person shall discharge VOCs into the atmosphere

from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility. [AVAQMD Rule 442(c)(1)]

AVAQMD Rule 481 Spray Coating Operations

Owner/Operator shall not use or operate any spray painting or spray coating equipment unless one of the following conditions is met:

a. The spray coating equipment is operated inside a control enclosure which is approved by the Executive Officer. Any control enclosure for which an application for a permit for new construction, alteration, or change of ownership or location is submitted after the date of adoption of this rule shall be exhausted only through filters at a design face velocity not less than 100 feet per minute nor greater than 300 feet per minute, or through a water wash system designed to be equally effective for the purpose of air pollution control.

b. Coatings are applied with electrostatic and/or airless spray equipment.

c. A method of application or control is used which has effectiveness equal to or greater than the equipment specified in (a) or (b) of the rule.

d. The provisions of Rule 481 shall not apply to:

1. Spray coating of three gallons per day or less of a coating at a single location.
2. Spray coating of catalyzed epoxy or polyurethane primer of coatings on large aerospace subassemblies or completed vehicles where the stage of assembly precludes placement inside a control enclosure.

AVAQMD Rule 1107 Coating Of Metal Parts And Products

Except as provided in Rule 1107 (g) [Exemptions], no person shall apply any coating to metal parts or products with a VOC content in excess of the Rule 1107 (c) (2) limits. [AVAQMD Rule 109(c)(2)]

Except as provided in Rule 1107 (g) [Exemptions], no person shall apply VOC-containing coatings to metal parts and products subject to the provisions of this rule unless the coating is applied with properly operating equipment according to an operating procedure specified by the equipment manufacturer or the Executive Officer, or designee, and by the use of one of the following methods:

a. Electrostatic attraction, or

b. Flow coat, or

c. Dip coat, or

d. Roll coater, or

e. High-Volume, Low-Pressure (HVLP) Spray, or

f. Hand Application Methods, or

g. Such other coating application methods as are demonstrated to the Executive Officer, or designee, using EPA approved procedures to be capable of achieving at least 65 percent transfer efficiency and for which written approval of the Executive Officer, or designee, has been obtained. [AVAQMD Rule 1107(c)(1)]

No person shall use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule. [AVAQMD Rule 1107(c)(2)]

Solvent cleaning operations and the storage and disposal of VOC containing materials are subject to the provisions of Rule 1171 - Solvent Cleaning Operations. [AVAQMD Rule 1107(c)(3)]

Containers used for the disposal of cloth or paper used in stripping cured coating shall be closed except when depositing or removing the cloth or paper from the container. [AVAQMD Rule 1107(c)(2)]

Any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1107 shall comply with the provisions of Rule 442. [AVAQMD Rule 1107(h)]

AVAQMD Rule 1113 Architectural Coatings

No person shall apply any architectural coating with a VOC content in excess of the Rule 1113 Table 1 VOC Content Limits For Architectural Coatings. [AVAQMD Rule 1113(c)(1)]

For any coating that does not meet any of the definitions for the specialty coatings categories listed the VOC content limit shall be determined by classifying the coating as a flat coating or a nonflat coating, based on its gloss, and the corresponding flat or nonflat VOC limit shall apply. [AVAQMD Rule 1113(c)(7)]

All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use. [AVAQMD Rule 1113(c)(4)]

AVAQMD Rule 1124 Aerospace Assembly and Component Manufacturing Operations

Except as provided in Rule 1124 (G) [Exemptions], no person shall apply to aerospace components any Aerospace Materials, including any VOC-containing materials added to the original Aerospace Materials supplied by the manufacturer, which contain VOC in excess of the Rule 1124 (C)(1)(a) limits. [AVAQMD Rule 1124 (C)(1)(a)]

Except as provided in Rule 1124 (G) [Exemptions], no person or facility shall apply Aerospace Materials unless it is applied with properly operating equipment or controlled, according to operating procedure specified by the equipment manufacturer or the APCO, and by the use of one of the following methods:

a. Electrostatic application; or

b. Flow coater; or

c. Roll coater; or

d. Dip coater; or

e. High-volume, low-pressure (HVLP) spray; or

f. Hand application methods; or

g. Such other alternative application methods as are demonstrated to the APCO, using District-approved procedures, to be capable of achieving at least equivalent transfer efficiency and for which written approval of the APCO has been obtained; or

h. Approved air pollution control equipment [AVAQMD Rule 1124 (C)(5)]

No person shall use VOC-containing materials for cleaning or clean up, excluding coating stripping and equipment cleaning unless:

a. The VOC composite partial pressure is 45 mm Hg or less at a temperature of 20°C (68°F); or

b. The material contains 200 grams or less of VOC per liter of material. [AVAQMD Rule 1124 (C)(2)(a)]

No person shall use stripper on aerospace components unless:

a. It contains less than 300 grams of VOC per liter of material; or

b. The VOC composite partial pressure is 9.5 mm Hg (0.18 psia) or less at 20°C (68°F). [AVAQMD Rule 1124 (C)(2)(b)]

Cleaning of coating application equipment shall comply with provisions of Rule 1171. [AVAQMD Rule 1171 (C) (3)]

Any Aerospace Material or facility which is exempt from all or a portion of Rule 1124, shall comply with the provisions of Rule 442. [AVAQMD Rule 1124 (F)]

AVAQMD Rule 1136 Wood Products Coatings

Except as provided in Rule 1136 (l) [Exemptions], no person shall apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified, which contain VOC in excess of the Rule 1136 (c)(1)(a) limits. [AVAQMD Rule 1136 (c)(1)(a)(i) and (iii)]

No person shall apply coatings to wood products subject to the provisions of this rule unless the coating is applied with properly operating equipment, according to the equipment manufacturer's operating procedures, and by the use of one of the following methods:

a. electrostatic application; or

b. flow coat; or

c. dip coat; or

d. high-volume, low-pressure (HVLP) spray; or

e. paint brush; or

f. hand roller; or

g. roll coater; or

h. such other coating application methods as are demonstrated to the Executive Officer to be capable of achieving at least 65 percent transfer efficiency, and for which written approval of the Executive Officer has been obtained. [AVAQMD Rule 1136 (c)(2)]

No person shall use a stripper on wood products unless:

a. it contains less than 350 grams of VOC per liter of material; or

b. the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20º C (68º F) [AVAQMD Rule 1136 (c)(1)(b)]

Solvent cleaning operations and the storage and disposal of VOC containing materials are subject to the provisions of Rule 1171 - Solvent Cleaning Operations. [AVAQMD Rule 1136 (c)(3)]

Any wood coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1136 shall comply with the provisions of Rule 442. [AVAQMD Rule 1136 (h)]

AVAQMD Rule 1140 Abrasive Blasting Operations

An abrasive blasting operation shall comply with at least one of the following performance standards:

a. Confined blasting;

b. Wet abrasive blasting;

c. Hydroblasting; or

d. Dry unconfined blasting using certified abrasives [AVAQMD Rule 1140 (b)(4]

Sources meeting the above shall not discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

a. As dark or darker in shade as that designated as No. 2 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in a. above [AVAQMD Rule 1140 (b)(1]

Any operation that does not meet the applicable performance standard above shall not discharge into the atmosphere from any abrasive blasting any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

a. As dark or darker in shade as that designated as No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

b. Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke

described in a. above [AVAQMD Rule 1140 (b)(2]

Confined abrasive blasting must be used for all abrasive blasting operations at a facility except under the following conditions:

a. When steel or iron shot/grit is used.

b. When the item to be abrasive blasted exceeds 8 feet in height, 8 feet in width, or 10 feet in length; or

c. When the structure or surface is abrasive blasted at its permanent or ordinary location. [AVAQMD Rule 1140 (b)(6]

AVAQMD Rule 1145 Plastic, Rubber, And Glass Coatings

Except as provided in Rule 1145 (h) [Exemptions], no person shall apply any coating to a plastic, rubber or glass product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified, which contain VOC in excess of the Rule 1145 (c)(2) limits. [AVAQMD Rule 1145 (c)(2]

No person shall apply coatings to plastic, rubber or glass products subject to the provisions of this rule unless the coating is applied with properly operating equipment, according to the equipment manufacturer's operating procedures, and by the use of one of the following methods:

a. Electrostatic application; or

b. Flow coat; or

c. Roll coat; or

d. Dip coat; or

e. Hand application; or

f. High-volume, low-pressure (HVLP) spray; or

g. Such other coating application methods as are demonstrated to the Executive Officer to be capable of achieving at least 65 percent transfer efficiency, and for which written approval of the Executive Officer has been obtained. [AVAQMD Rule 1145 (c)(5]

Solvent cleaning operations and the storage and disposal of VOC containing materials are subject to the provisions of Rule 1171 - Solvent Cleaning Operations. [AVAQMD Rule 1145 (c)(3]

Any plastic, rubber or glass coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of Rule 1145 shall comply with the provisions of Rule 442. [AVAQMD Rule 1145 (g)]

AVAQMD Rule 1162 Polyester Resin Operations

For each process, a person operating a polyester resin operation shall comply with either the material requirements in Rule 1162 (c) (1) (a) or one of the following process requirements:

a. The weight loss of polyester materials shall be less than four (4) percent when a closed-mold system is used.

b. When a vapor suppressed resin is used, the weight loss from VOC emissions shall not exceed sixty (60) grams per square meter of exposed surface area during resin polymerization.

c. A pultrusion operation shall have covered wet-out baths. From the exit of the bath to the die all but 18 inches of the preform distance shall be enclosed to minimize air flow. The weight loss of polyester materials shall be less than three (3) percent in a pultrusion operation. [AVAQMD Rule 1162 (c)(1]

For spraying operations, in addition to complying with the requirements specified above, a person shall use high-volume-low-pressure (HVLP), airless, air-assisted airless, or electrostatic spray equipment. For touch-up and repair, a hand-held, air-atomized spray gun which has a container for resin as part of the gun may be used. [AVAQMD Rule 1162 (c)(2]

Any person operating a polyester resin operation shall keep the resin materials in closed containers except when filling or emptying the container. [AVAQMD Rule 1162 (c)(3]

Solvent cleaning operations shall comply with Rule 1171 - Solvent Cleaning Operations. [AVAQMD Rule 1162 (c)(4]

AVAQMD Rule 1168 Adhesive and Sealant Applications

Except as provided in Rule 1168 (J) [Exemptions], no person shall apply Adhesives, Adhesive Primers, Sealants, Sealant Primers, or any other Primer which have a VOC content in excess of the limits specified in Rule 1168 Table 1. If an Adhesive is used to bond dissimilar substrates together the Adhesive with the highest VOC content is allowed. [AVAQMD Rule 1168 (C)(2)]

No person shall apply Adhesives or Sealants unless the Adhesive or Sealant is applied with properly operating equipment in accordance with operating procedures specified by either the equipment manufacturer or the APCO. [AVAQMD Rule 1168 (C)(5)]

Application of Adhesives shall be accomplished only by the use of one of the following methods:

a. Electrostatic application;

b. Flow coat;

c. Dip coat;

d. Roll coater;

e. HVLP spray;

f. Hand Application Methods;

g. Such other Adhesive application methods as are demonstrated to the APCO Officer to be capable of achieving no less efficiency than HVLP method and for which prior written approval of the APCO has been obtained; or

h. For Adhesives with a Viscosity of 200 centipoise or greater, as applied, airless spray, air-assisted airless spray, and air-atomized spray may also be used [AVAQMD Rule 1162 (C)(5)]

Containers used to dispose of VOC-laden cloth or paper used in stripping cured Adhesives or Sealants shall be closed except when depositing or removing VOC-laden cloth or paper from the container. [AVAQMD Rule 1168 (C)(3)]

Solvent Cleaning Operations: Storage and disposal of VOC-containing materials shall be conducted in accordance with the provisions of AVAQMD Rule 1171 - Solvent Cleaning Operations [AVAQMD Rule 1168 (C)(4)]

The VOC content of adhesives and sealants that are applied with the use of refillable pressurized containers are subject to the VOC limits of this rule. [AVAQMD Rule 1168 (C)(9)]

Any adhesive, sealant, adhesive or sealant application, operation, or person which is exempt from all or a portion of this rule, shall comply with the applicable provisions of AVAQMD Rule 442 Usage of Solvents. [AVAQMD Rule 1168 (I)]

AVAQMD Rule 1171 Solvent Cleaning Operations

Except as provided in Rule 1171 (G) [Exemptions], no person shall use a solvent to perform solvent cleaning unless the solvent complies with the limits in Rule 1171 (C)(1)(a). [AVAQMD Rule 1171 (C)(1)(a)]

No person shall perform solvent cleaning unless one of the following cleaning devices or methods is used:

a. Wipe cleaning;

b. Closed containers or hand held spray bottles from which solvents are applied without a propellant-induced force;

c. Cleaning equipment which has a solvent container that can be, and is closed during cleaning operations, except when depositing and removing objects to be cleaned, and is closed during nonoperation with the exception of maintenance and repair to the cleaning equipment itself;

d. Remote Reservoir Cleaner used pursuant to the provisions the rule;

e. Non-Atomized Solvent Flow method where the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or

f. Solvent Flushing method where the cleaning solvent is discharged into a container which is closed except for Solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [AVAQMD Rule 1171 (C)(2)]

All VOC containing Solvents, used in Solvent Cleaning operations, or a waste or used product, including items such as cloth or paper laden with VOC containing materials, shall be stored in Non-Absorbent, Non-

Leaking Containers which shall be kept closed at all times except when filling or emptying, and disposed of in a manner to prevent evaporation of VOCs into the atmosphere [AVAQMD Rule 1171 (C)(4)]

Any solvent, solvent cleaning activity, solvent cleaning unit operation, or person, which is exempt from all or a portion of this rule shall be subject to the applicable requirements of the applicable Regulation XI source specific rule or Rule 442 - Usage of Solvent. [AVAQMD Rule 1171 (F)]

40 CFR 63 Subpart GG National Emissions Standards for Aerospace Manufacturing and Rework

§63.744 (a), 63.745 (b), and §63.748 - Housekeeping Measures

(1) Place used solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations and are exempt from this requirement.

(2) Store fresh and spent cleaning solvents, coatings and wastes used in aerospace cleaning operations in closed containers.

(3) Conduct the handling and transfer of cleaning solvents, coatings and wastes to or from enclosed systems, vats, waste containers in such a manner that minimizes spills.

Note: Solvents meeting the composition requirements of aqueous (cleaning solvents in which ≥80 percent of cleaning solvent solution as applied is water) and hydrocarbon (cleaners that are composed of photochemically reactive hydrocarbons and/or oxygenated hydrocarbons and have a maximum vapor pressure of 7 mm Hg at 20 °C) and non-HAP containing solvents are exempt from this requirement.

§63.744 (b) - Handwipe Cleaning

Use cleaning solvents that meet one of the following requirements

(1) Solvents meeting the composition requirements of aqueous (cleaning solvents in which ≥80 percent of cleaning solvent solution as applied is water) and hydrocarbon (cleaners that are composed of photochemically reactive hydrocarbons and/or oxygenated hydrocarbons and have a maximum vapor pressure of 7 mm Hg at 20 °C) and non-HAP containing solvents are exempt from this requirement.

(2) Solvent that have a composite vapor pressure of 45 mm Hg (24.1 in. H_2 O) or less at 20 °C (68 °F).

§63.744 (b) – Spray Gun Cleaning

Conduct spray gun cleaning using one of the following methods:

(1) Enclosed system
(2) Nonatomized cleaning
(3) Disassembled spray gun cleaning
(4) Atomized cleaning by forcing the cleaning solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized cleaning solvent emissions

Cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems that can be programmed to spray into a closed container, the operations listed in 63.744 (e), and operations that use cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in §63.741(f) are exempt from this requirement.

§63.745(c) Standards: Primer, topcoat, and specialty coating application operations - Uncontrolled coatings—organic HAP and VOC content levels

(1) VOC and organic HAP emissions from primers shall be limited to no more than 350 g/L (2.9 lb/gal) of primer (less water) as applied.

(2) VOC and organic HAP emissions from topcoats shall be limited 420 g/L (3.5 lb/gal) of coating (less water) as applied.

(5) VOC and organic HAP emissions from specialty coatings shall be limited to an organic HAP content level of no more than the HAP content limit specified in Table 1 of §63.745 for each applicable specialty coating type.

§63.745(d) Standards: Primer, topcoat, and specialty coating application operations - Controlled coatings—control system requirements

Each control system shall reduce the operation's organic HAP and VOC emissions to the atmosphere by 81% or greater, taking into account capture and destruction or removal efficiencies, as determined using the procedures in §63.750(g) when a carbon adsorber is used and in §63.750(h) when a control device other than a carbon adsorber is used.

§63.745(f) Application Equipment

All spray applied primers, topcoats (including self-priming topcoats), and specialty coatings shall be applied using one or more of the spray application techniques:

(1) High volume low pressure (HVLP) spraying;
(2) Electrostatic spray application;
(3) Airless spray application;
(4) Air-assisted airless spray application; or
(5) Any other coating spray application methods that achieve emission reductions or a transfer efficiency equivalent to or better than HVLP spray, electrostatic spray, airless spray, or air-assisted airless spray application methods as determined according to the requirements in §63.750(i).

Operations specified in §63.745(f)(3) are exempt from these requirements.

§63.745(g) Inorganic HAP emissions

(1) Apply coatings in a booth, hangar, or portable enclosure in which air flow is directed downward onto or across the part or assembly being coated and exhausted through one or more outlet, or;

(2) Control the air stream from this operation §63.745(g)**(2)**

Operations specified in §63.745(g)(4) are exempt from these requirements.

§63.746(b) Standards: Depainting operations - HAP emissions—non-HAP chemical strippers and technologies

(1) Operate and maintain the depainting equipment according to the manufacturer's specifications or locally prepared operating procedures
(2) Perform the depainting operation in an enclosed area, unless a closed-cycle depainting system is used.
(3) Pass any air stream removed from the enclosed area or closed-cycle depainting system through a dry particulate filter system, certified using the method described in §63.750(o) to meet or exceed the efficiency data points in Tables 2 and 3 of §63.745, through a baghouse before exhausting it to the atmosphere.

Operations specified in §63.746(a)(3) are exempt from these requirements.

§63.751 Monitoring requirements

(1) Dry particulate and/or HEPA filters for primer, topcoat, and specialty coating application operations - While primer, topcoat, and specialty coating application operations are occurring, continuously monitor the pressure drop across the system and read and record the pressure drop once per shift following the recordkeeping requirements of §63.752(d), or install an interlock system as specified in §63.745(g)(2)(iv)(C).
(2) Particulate filters for depainting operations - While depainting operations are occurring, continuously monitor the pressure drop across the particulate filters and read and record the pressure drop or the water flow rate once per shift following the recordkeeping requirements of §63.752(e).

§63.752 and §63.753 Recordkeeping and reporting requirements

Maintain records and report as required in these sections.

40 CFR 63 Subpart DDDDD National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters

§63.7500 and Table 3 – Work Practice Standards

(1) For all new or existing boilers or process heaters with as continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour, conduct a tune-up of the boiler or process heater every 5 years as specified in §63.7540.
(2) For all new or existing boiler or process heaters with heat input capacity of less than 10 million Btu per hour, but greater than 5 million Btu per hour conduct a tune-up of the boiler or process heater biennially as specified in §63.7540.
(3) For all new or existing boilers or process heaters without a continuous oxygen trim system and with heat input capacity of 10 million Btu per hour or greater conduct a tune-up of the boiler or process heater annually as specified in §63.7540.

§63.7555 Recordkeeping

Maintain records as required in this section.

§63.7550 and Table 9 – Reporting

Submit the Information required in §63.7550(c)(1) through (5) annually, biennially, or every 5 years according to the requirements in §63.7550(b) for the units classified in the Work Practice Standards section.

40 CFR 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Existing Stationary RICE:

§63.6602 Emission limitations and other requirements for existing stationary RICE with a site rating of equal to or less than 500 brake HP

Affected sources, as identified in Section III, must comply with Table 2c of subpart.

§63.6600 Emission limitations and operating limitations for stationary RICE with a site rating of more than 500 brake

Any of the following stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions do not need to comply with the emission limitations in Tables 1a, 2a, 2c, and 2d to this subpart or operating limitations in Tables 1b and 2b to this subpart:

- emergency stationary RICE
- limited use stationary RICE

New Stationary RICE:

§ 63.6590 (c) Stationary RICE subject to Regulations under 40 CFR Part 60.

A new source that meets any of the criteria below must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP
- A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP
- A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP
- A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP

New Stationary RICE not meeting these definitions must comply with the applicable sections of 40 CFR 63 Subpart ZZZZ.