

*ANTELOPE VALLEY*  
*AIR QUALITY MANAGEMENT DISTRICT*

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Revised 10-3-17

Federal Operating Permit Number: 102301816

For: Northrop Grumman Systems Corporation

Facility: Palmdale Aircraft Integration Center of Excellence

3520 E Avenue M, Palmdale CA

Issued Pursuant to AVAQMD Regulation XXX  
Effective Date: October 17, 2016

This Federal Operating Permit Expires  
on: October 17, 2021

Issued By: Bret Banks  
Executive Director  
Air Pollution Control Officer



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## PERMIT REVISIONS

### PERMIT REVISION HISTORY

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 boiler system, B012795, B012796, B012835 and B012836 each 4.32 mmbtu heaters, B012797, B012798, B012837 and B012838 each 5.4 mmbtu 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)

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**PART I  
INTRODUCTORY INFORMATION**

**A. FACILITY IDENTIFYING INFORMATION:**

<u>Owner/Company Name:</u>	Northrop Grumman Systems Corporation
<u>Owner Mailing Address:</u>	Palmdale Aircraft Integration Center of Excellence 3520 E Avenue M, PA14/4G Palmdale, CA 93550
<u>Facility Name:</u>	Palmdale Integration Center of Excellence
<u>Facility Location:</u>	3520 E Avenue M, Palmdale CA
<u>Mailing Address:</u>	Palmdale Integration Center of Excellence 3520 E Avenue M, PA11/4S Palmdale, CA 93550
<u>AVAQMD Federal Operating Permit Number:</u>	102301816
<u>AVAQMD Company Number:</u>	1023
<u>AVAQMD Facility Number:</u>	01816
<u>Responsible Official:</u>	Kevin Mitchell
<u>Title:</u>	NGAS VP, Deputy Global Operations
<u>Phone Number:</u>	(661) 266-5541
<u>Facility "Site" Contact:</u>	George Jung
<u>Phone Number:</u>	(661) 266-5394
<u>Nature of Business:</u>	Aircraft Assembly, Maintenance and Modification
<u>SIC Code:</u>	37228-06 – Aircraft Parts and Assemblers
<u>Facility Location:</u>	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 SITES 3 AND 4:**

<b>Permit Number</b>	<b>Title V Part III Condition</b>	<b>Permit Type</b>	<b>Equipment</b>	<b>Description</b>	<b>Plant</b>	<b>Building</b>
A006778	A	Abrasive blasting	Abrasive blasting system	<ul style="list-style-type: none"> <li>• Four blast nozzles with six foot pressure vessel</li> <li>• Storage hopper, 1250 cubic feet, with 50,000 pound capacity</li> <li>• Cyclone separator, with waste bags</li> <li>• Recovery storage hopper, 500 cubic feet, 10,000 pound capacity, with magnetic particle separator</li> <li>• Particle separator</li> </ul>	Site 3	333
A006784	A	Abrasive blasting	Abrasive blasting system	<ul style="list-style-type: none"> <li>• Four blast nozzles with six foot pressure vessel</li> <li>• Storage hopper, 1250 cubic feet, with 50,000 pound capacity</li> <li>• Cyclone separator, with waste bags</li> <li>• Recovery storage hopper, 500 cubic feet, 10,000 pound capacity, with magnetic particle separator</li> <li>• Particle separator</li> </ul>	Site 3	333
B006790	B	Basic	18 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model # TJW-C205</li> <li>• Serial #14920</li> <li>• National Board #16148</li> <li>• Power flame Model #CSB200-G-30 burner</li> </ul>	Site 4	410
B011296	C	Basic	16 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model #ZW1600</li> <li>• Power flame Model #NVC8-G-30 burner</li> </ul>	Site 4	410
B011297	D	Basic	8 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model #ZW800</li> <li>• Power flame Model #NVC6-G-30 burner</li> </ul>	Site 4	410

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B007857	E	Basic	42 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model #6-X-5000-S15-ACTCF-G</li> <li>• Power flame Model #NVC16-G-30 burner</li> </ul>	Site 3	302
B007858	E	Basic	33.5 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model #6-X-4000-S15ACTCF-G</li> <li>• Power flame Model #NVC13-G-30 burner</li> </ul>	Site 3	302
B007859	E	Basic	22.4 mmbtu boiler	<ul style="list-style-type: none"> <li>• Model #6-X-3000-S15-ACTCF-G</li> <li>• Power flame Model #NVC11-G-30 burner</li> </ul>	Site 3	302
B008730	F	Basic	Cogeneration system	<ul style="list-style-type: none"> <li>• Waukesha natural gas I.C.E</li> <li>• Model #P9390GSI</li> <li>• Serial #C944371</li> <li>• 2043 bhp</li> <li>• 16 cylinders</li> </ul>	Site 4	410
B010679	G	Basic	314 bhp portable diesel generator	<ul style="list-style-type: none"> <li>• John Deere</li> <li>• Model #6068HF485TU</li> <li>• Serial #PE60681085256</li> <li>• 6 cylinders</li> </ul>	Site 3	Various
B010699	H	Basic	Portable turbine aircraft start cart	<ul style="list-style-type: none"> <li>• Hamilton Sundstrand turbine</li> <li>• Model #PH-47 C3</li> <li>• 396 bhp</li> </ul>	Site 3	Various
B010972	H	Basic	Portable turbine aircraft star cart	<ul style="list-style-type: none"> <li>• Hamilton Sundstrand turbine</li> <li>• Model #PH-47 C3</li> <li>• 396 bhp</li> </ul>	Site 3 and site 4	Various
C006781	I	Control device	Depaint/paint hangar	<ul style="list-style-type: none"> <li>• 180 feet by 214 feet by 59 feet</li> <li>• 18 individual dust collectors equipped with: <ol style="list-style-type: none"> <li>1. Cartridge type pre-filters</li> <li>2. Pleated secondary filter panels, and</li> <li>3. HEPA filters</li> </ol> </li> </ul>	Site 3	333
C011099	J	Control device	Portable CAPS II system	<ul style="list-style-type: none"> <li>• Sharp-shooter HVLP spray gun</li> <li>• Prefilter</li> <li>• 25 lbs carbon canister</li> </ul>	Site 4	Various
C011105	J	Control device	Portable CAPS II system	<ul style="list-style-type: none"> <li>• Sharp-shooter HVLP spray gun</li> <li>• Prefilter</li> <li>• 25 lbs carbon canister</li> </ul>	Site 4	Various
C011106	J	Control device	Portable CAPS II system	<ul style="list-style-type: none"> <li>• Sharp-shooter HVLP spray gun</li> <li>• Prefilter</li> <li>• 25 lbs carbon canister</li> </ul>	Site 4	Various
E006770	K	Emergency ICE	1588 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Caterpillar</li> <li>• Model #3512</li> <li>• Serial #24Z01274</li> <li>• 12 cylinders</li> </ul>	Site 4	410

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E006771	K	Emergency ICE	435 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #NT855-G6</li> <li>• Serial #30345653</li> <li>• 6 cylinders</li> </ul>	Site 3	307
E006780	K	Emergency ICE	603 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Caterpillar</li> <li>• Model #3408</li> <li>• Serial #78Z02136</li> <li>• 8 cylinders</li> </ul>	Site 4	333
E006782	K	Emergency ICE	435 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #N852-G2</li> <li>• Serial #30347847</li> <li>• 6 cylinders</li> </ul>	Site 3	301
E008106	K	Emergency ICE	455 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Detroit</li> <li>• Model #6063MK35</li> <li>• Serial #06R0633577</li> <li>• 6 cylinders</li> </ul>	Site 4	302
E008420	K	Emergency ICE	817 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Caterpillar</li> <li>• Model #3412 DITA</li> <li>• Serial #PE60681005256</li> <li>• 12 cylinders</li> </ul>	Site 4	401
E006783	L	Emergency ICE	82 bhp emergency LPG generator	<ul style="list-style-type: none"> <li>• Ford</li> <li>• Model #CSG-649</li> <li>• Serial #18865</li> <li>• 6 cylinders</li> </ul>	Site 4	Sewer lift station
N011611	M	Non-retail gasoline	Gasoline dispensing system	<ul style="list-style-type: none"> <li>• 10,000 gallon aboveground storage tank</li> <li>• 2 nozzles</li> </ul>	Site 4	460
E011904	N	Emergency ICE	701 bhp emergency natural gas generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #GTA28</li> <li>• Serial #TBD</li> <li>• 12 cylinders</li> </ul>	Site 4	408
E011905	N	Emergency ICE	1098 bhp emergency natural gas generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #GTA50</li> <li>• Serial #TBD</li> <li>• 16 cylinders</li> </ul>	Site 4	407
E011907	N	Emergency ICE	231 bhp emergency natural gas generator	<ul style="list-style-type: none"> <li>• Generac</li> <li>• Model #SG150</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 4	405
P010330	O	Portable spray gun	Portable HVLP spray gun	<ul style="list-style-type: none"> <li>• DeVibiss</li> </ul>	Site 3	Various
P010331	O	Portable spray gun	Portable HVLP spray gun	<ul style="list-style-type: none"> <li>• DeVibiss</li> </ul>	Site 3	Various
P010389	O	Portable spray gun	Portable HVLP spray gun	<ul style="list-style-type: none"> <li>• Binks</li> </ul>	Site 3	Various

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P011007	O	Portable spray gun	Portable HVLP spray gun	<ul style="list-style-type: none"> <li>DeVibiss</li> </ul>	Site 3	Various
P011009	O	Portable spray gun	Portable HVLP spray gun	<ul style="list-style-type: none"> <li>DeVibiss</li> </ul>	Site 3	Various
S006766	P	Spray booth	Paint hangar	<ul style="list-style-type: none"> <li>100 feet by 300 feet by 80 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	415
S006767	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>20 feet by 12 feet by 10 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	415
S006874	P	Spray booth	Paint hangar	<ul style="list-style-type: none"> <li>2 individual paint bays</li> <li>160 feet by 80 feet by 27 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	305
S007822	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>2 individual paint bays</li> <li>1 cure bay</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	301
S007837	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>Northrop Grumman #SDD2</li> <li>Robotic spray system</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	401
S008093	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>Northrop Grumman #SDD1</li> <li>Robotic spray system</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	401
S009013	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>2 individual paint bays</li> <li>30 feet by 30 feet by 12 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	401
S012451	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>Robotic spray system F35 #3</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	401
S012606	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>35 feet by 16 feet by 53 feet</li> <li>3-stage pocket bag filters</li> <li>HEPA filters</li> </ul>	Site 4	421 Phase I
S012607	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>49 feet by 21 feet by 122 feet</li> <li>3-stage pocket bag filters</li> <li>HEPA filters</li> </ul>	Site 4	421 Phase I
S012608	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>30 feet by 15 feet by 24 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	305
S012609	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>42 feet by 15 feet by 33 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	305
S012610	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>Silicones</li> <li>76 feet by 20 feet by 73 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	305
S012611	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>42 feet by 15 feet by 33 feet</li> <li>3-stage pocket bag filters</li> </ul>	Site 3	305
S012788	P	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>Robotic spray system F35 #4</li> <li>3-stage pocket bag filters</li> </ul>	Site 4	S012788
T006761	Q	Tank	Jet fuel loading and unloading system	<ul style="list-style-type: none"> <li>Two 50,000 gallon above ground storage tanks</li> <li>1. NG #T-601</li> </ul>	Site 4	431



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				<ul style="list-style-type: none"> <li>2. NG #T-603</li> <li>• Three loading and unloading systems</li> </ul>		
T006762	Q	Tank	Jet fuel fueling and defueling system	<ul style="list-style-type: none"> <li>• Hydrant system               <ol style="list-style-type: none"> <li>1. Defueling pump</li> <li>2. Fueling transfer pump</li> <li>3. Fuel filter separator</li> </ol> </li> </ul>	Site 4	431
T006763	Q	Tank	Jet fuel loading and unloading system	<ul style="list-style-type: none"> <li>• Hydrant system               <ol style="list-style-type: none"> <li>1. Defueling pump</li> <li>2. Fueling transfer pump</li> <li>3. Fuel filter separator</li> <li>4. NG #T-12</li> </ol> </li> </ul>	Site 4	468
T006772	R	Tank	Jet/diesel fuel storage tank	<ul style="list-style-type: none"> <li>• 100,000 gallon aboveground               <ol style="list-style-type: none"> <li>1. NG #T-13</li> </ol> </li> </ul>	Site 4	410
T006773	R	Tank	Jet fuel storage tank	<ul style="list-style-type: none"> <li>• 105,000 gallon aboveground               <ol style="list-style-type: none"> <li>1. Ng #T-10</li> </ol> </li> </ul>	Site 4	468
T006787	R	Tank	Jet fuel storage tank	<ul style="list-style-type: none"> <li>• 105,000 gallons aboveground               <ol style="list-style-type: none"> <li>1. NG #T-08</li> </ol> </li> </ul>	Site 4	468
T006794	R	Tank	Jet fuel storage tank	<ul style="list-style-type: none"> <li>• 50,000 gallon aboveground storage tank               <ol style="list-style-type: none"> <li>1. NG #T-607</li> </ol> </li> </ul>	Site 4	431
T006793	S	Tank	LPG storage tank	<ul style="list-style-type: none"> <li>• 30,000 gallon aboveground</li> </ul>	Site 4	410
E012299	T	Emergency ICE	206 bhp emergency propane gas generator	<ul style="list-style-type: none"> <li>• MTU America, Inc</li> <li>• Model Ford 6.8 L V10</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 3	360
E012300	T	Emergency ICE	206 bhp emergency propane gas generator	<ul style="list-style-type: none"> <li>• MTU America, Inc</li> <li>• Model Ford 6.8 L V10</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 3	360
E012301	T	Emergency ICE	206 bhp emergency propane gas generator	<ul style="list-style-type: none"> <li>• MTU America, Inc</li> <li>• Model Ford 6.8 L V10</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 3	360
E012302	T	Emergency ICE	206 bhp emergency propane gas generator	<ul style="list-style-type: none"> <li>• MTU American Inc</li> <li>• Model Ford 6.8 L V10</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 3	360
E012545	T	Emergency ICE	206 bhp emergency propane gas generator	<ul style="list-style-type: none"> <li>• MTU American Inc</li> <li>• Model Ford 6.8 L V10</li> <li>• Serial #TBD</li> <li>• 10 cylinders</li> </ul>	Site 3	Taxiway Nov
				<ul style="list-style-type: none"> <li>•</li> </ul>		

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B012789	Y	Basic	Electric paint curing oven	<ul style="list-style-type: none"> <li>• Grieve</li> <li>• Model #WTH686-500</li> <li>• Serial #TBD</li> </ul>	Site 4	401
B012790	Z	Basic	4.5 mmbtu boiler system	<ul style="list-style-type: none"> <li>• 3 Individual 1.5 mmbtu boilers</li> <li>• AERCO Boiler Company</li> <li>• Model #BMK 1500</li> <li>• Serial #TBD</li> </ul>	Site 4	423
B012795	AA	Basic	4.32 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #1</li> <li>• Model #TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-4</li> </ul>	Site 4	421 Phase I
B012796	AA	Basic	4.32 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #2</li> <li>• Model #TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-4</li> </ul>	Site 4	421 Phase I
B012797	AA	Basic	5.408 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #3</li> <li>• Model #TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-5</li> </ul>	Site 4	421 Phase I
B012798	AA	Basic	5.408 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #4</li> <li>• Model TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-5</li> </ul>	Site 4	421 Phase I
B012835	AA	Basic	4.32 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #1</li> <li>• Model #TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-4</li> </ul>	Site 4	421 Phase II
B012836	AA	Basic	4.32 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater #2</li> <li>• Model #TA-236</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #ULE 144-4</li> </ul>	Site 4	421 Phase II
B012837	AA	Basic	5.4 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater F35 #1</li> <li>• Model TA-230</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #PRJ101035818</li> </ul>	Site 4	401
B012838	AA	Basic	5.4 mmbtu heater	<ul style="list-style-type: none"> <li>• Heater F35 #2</li> <li>• Model TA-230</li> <li>• Serial #TBD</li> <li>• Eclipse Burner Linnox #PRJ101035818</li> </ul>	Site 4	401

**D. PERMITTED EQUIPMENT FOR SITES 7 AND 8:**

<b>Permit Number</b>	<b>Title V Part III Condition</b>	<b>Permit Type</b>	<b>Equipment</b>	<b>Description</b>	<b>Plant</b>	<b>Building</b>
B006409	U	Basic	44 mmbtu boiler	<ul style="list-style-type: none"> <li>• Boiler #1</li> <li>• Model # FF-15</li> <li>• Model AUS-6000/200</li> <li>• 40 hp combustion air blower</li> </ul>	Site 7	722
B006410	U	Basic	44 mmbtu boiler	<ul style="list-style-type: none"> <li>• Boiler #2</li> <li>• Model # FF-15</li> <li>• Model AUS-6000/200</li> <li>• 40 hp combustion air blower</li> </ul>	Site 7	722
C006413	V	Control device	Depaint/paint hangar	<ul style="list-style-type: none"> <li>• 2 roof mounted units with 2-stage pocket bag filters</li> <li>• 2 hp 3,000 cfm blower</li> <li>• 4 ground mounted units with 2-stage pocket bags filters</li> <li>• 5 hp 7,000 cfm blower</li> </ul>	Site 7	731
E006403	W	Emergency ICE	102 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #4BT3.9-G2</li> <li>• Serial #4584665</li> <li>• 4 cylinders</li> </ul>	Site 7	740
E006404	W	Emergency ICE	86 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #4BT3.9-G1</li> <li>• Serial #44973495</li> <li>• 4 cylinders</li> </ul>	Site 7	720
E006406	W	Emergency ICE	102 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #4BT.9-G2</li> <li>• Serial #45384708</li> <li>• 4 cylinders</li> </ul>	Site 7	730
E007093	W	Emergency ICE	93 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #4BT3.9-G4</li> <li>• Serial #45718970</li> <li>• 6 cylinders</li> </ul>	Site 7	722
E008856	W	Emergency ICE	56 bhp emergency diesel generator	<ul style="list-style-type: none"> <li>• Cummins</li> <li>• Model #4B3.3-G1</li> <li>• Serial #A030459577</li> <li>• 4 cylinders</li> </ul>	Site 8	870
E012785	N	Emergency ICE	1468 bhp emergency natural gas generator	<ul style="list-style-type: none"> <li>• Caterpillar</li> <li>• Model #G3512</li> <li>• Serial #TBD</li> <li>• 12 cylinders</li> </ul>	Site 7	740
S006411	X	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>• Bench type</li> <li>• 4 exhaust filers</li> </ul>	Site 7	720

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				<ul style="list-style-type: none"> <li>• 2 inch thick filters</li> </ul>		
S006412	X	Spray booth	Paint hangar	<ul style="list-style-type: none"> <li>• 62 feet by 122 feet by 23 feet</li> <li>• 3-stage pocket bag filters</li> </ul>	Site 7	727
S006447	X	Spray booth	Paint booth	<ul style="list-style-type: none"> <li>• Spray King floor type</li> <li>• 10 feet by 33 feet by 8 feet</li> <li>• 3-stage pocket bag filters</li> </ul>	Site 7	727 Outside

**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. A permit is required to operate this facility.  
[AVAQMD Rule 203 - *Permit to Operate*]
2. The equipment shall not be operated contrary to the conditions specified in the permit to operate.  
[AVAQMD Rule 203 - *Permit to Operate*]
3. The Air Pollution Control Officer may impose written conditions on any permit.  
[AVAQMD Rule 204 – *Permit Conditions*]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.  
[AVAQMD Rule 204 – *Permit Conditions*]
5. 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*]
6. A person shall not willfully deface, alter, forge, or falsify any permit issued under District rules.  
[AVAQMD Rule 207 - *Altering or Falsifying Of Permit*]
7. 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*]
8. 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*]
9. 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*]

10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.  
[AVAQMD Rule 225 - *Federal Operating Permit Requirement*]
11. Owner/Operator shall pay all applicable AVAQMD permit fees.  
[AVAQMD Rule 301 - *Permit Fees*]
12. Owner/Operator shall pay all applicable AVAQMD Title V Permit fees.  
[AVAQMD Rule 312 - *Supplemental Fees for Federal Operating Permits*]
13. 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*]
14. 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*]
15. 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. A VE 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*;]

16. 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*]

17. 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.]

18. 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*]

19. 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.



CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 404. A VE 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.

[AVAQMD Rule 404 - *Particulate Matter Concentration*]

20. 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.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 405. A VE 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.

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

21. 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<sub>2</sub>) 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<sub>2</sub>; 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*]

22. 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*]

23. 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<sub>2</sub>) 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.

CDM - The CARB Visible Emissions Evaluation shall be used to determine compliance with Rule 409. Owner/Operator will perform a VE Evaluation 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.

[AVAQMD Rule 409 - *Combustion Contaminants*]

24. 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 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*]

25. The owner/operator shall comply with the requirements of AVAQMD Rule 481 when performing 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*]

26. 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 kept on-site and available for review at any time by District, State or Federal personnel.

[AVAQMD Rule 1113 - *Architectural Coatings*]

27. *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*]

28. *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. 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 1107 - *Coating Of Metal Parts And Products*]

[AVAQMD Rule 109 - *Recordkeeping for Volatile Organic Compound Emissions*]

29. 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*]

30. 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*]

31. *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*]

32. 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*]

33. 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 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]

34. 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*]

35. 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*]

36. VOC emissions at Site 3 and Site 4 shall not exceed 3900 pounds in any one day, midnight to midnight.  
[Rule 1303 - *Requirements*]
37. 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*.

CDM - Compliance with the 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, 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 kept on-site and available for review at any time by District, State or Federal personnel  
[40 CFR 63.741-63.753]

38. 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 WWWW, *Reinforced Plastics Composite Production*.

CDM – Compliance with 40 CFR 63, *National Emission Standards for Hazardous Air Pollutants*, Subpart A, *General Provisions*, and Subpart WWWW, *Reinforced Plastics Composite Production* toxic air pollutant and VOC limits shall be determined using Safety Data Sheet information and recordkeeping required pursuant to Rule 109. In addition, all applicable RPC Emission calculations shall be performed according to the methods and calculation protocol stipulated in Subpart WWWW.  
[40 CFR 63.5780-5935]

39. 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*.

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]

40. 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<sub>10</sub>) 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<sub>10</sub> emissions from every permitted piece of equipment are recorded and that the total PM<sub>10</sub> 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*]

41. 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 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*]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq., and the Federal Clean Air Act, §110(a)(2)(F)(ii), codified in 40 CFR 60 Subpart Q]

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. 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 congruently with the Monitoring of Deviation report within 30 days of the midpoint of the anniversary of the date of the issuance or renewal of the Federal Operating Permit.  
[40 CFR 63.9 (i)(1)(ii)(2) and 63.10 (6)]
5. 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)
6. 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)]
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. 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*]
9. On a *semi-annual* basis, of any given year, Owner/Operator shall submit a *Monitoring of Deviation Report*, within 30 days of the midpoint of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to AVAQMD Rule 3003. This Monitoring Report shall be certified to be true, accurate, and complete by a responsible official, and may 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.

- d. Summary of necessary requirements concerning use and maintenance of equipment including the installation and maintenance of monitoring equipment.  
[Rule 3003 (D)(1)(e)(i); and 3003 (D)(1)(c)(i - iii)]

10. On an *annual* basis, of any given year, Owner/Operator shall submit an *Annual Compliance Certification Report*, within 30 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, 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 a responsible official and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.  
[Rule 3003 (D)(1)(g)(vii - x):]
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 notify the APCO/District, on an annual basis, postmarked by December 17 of the calendar year, of the predicted asbestos renovations for the following year as required by section 61.145.b of 40 CFR 61, Subpart M and update the notice, as necessary, including when the amount of asbestos affected changes by at least 20 percent.

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**

**A. CONDITIONS APPLICABLE TO PORTABLE ABRASIVE BLASTING SYSTEMS; AVAQMD PERMIT # 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.[AVAQMD Rule 1140(b)(1)]
2. Equipment shall be operated within enclosed buildings at Air Force Plant 42 Sites 3 and 4. [AVAQMD 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.  
[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]

B. CONDITIONS APPLICABLE TO ONE NATURAL GAS WITH PROPANE BACKUP FUELED BOILER; AVAQMD PERMIT # B006790:

1. The boiler 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 boiler shall be equipped with a non-resettable totalizing fuel flow meter.  
[AVAQMD Rule 1146(c)(5)]
3. 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. NO<sub>x</sub> less than 9 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, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required.  
[AVAQMD Rule 1146(c)(2)]
5. 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.

C. 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. NO<sub>x</sub> 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, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required.  
[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.

D. CONDITIONS APPLICABLE TO 8 MMBTU/HR BOILER (BLDG 410), AVAQMD PERMIT # B011297:

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. NO<sub>x</sub> 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, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required.  
[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.

E. CONDITIONS APPLICABLE TO THREE NATURAL GAS FUELED BOILERS; AVAQMD PERMIT # B007857, B007858 AND B007859:

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, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required.  
[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.

F. CONDITIONS APPLICABLE TO TWO COGENERATION SYSTEMS; AVAQMD PERMIT # B008730:

1. This equipment shall not be operated without venting through a properly operating non-selective catalytic reduction system (this requirement shall not apply during a catalyst break-in period not to exceed thirty days beginning with the first firing of fuel in this unit after catalyst change).  
  
[40 CFR 63 Subpart ZZZZ and AVAQMD Rule 1303 – BACT]
2. Emissions from this unit shall not exceed the following emission limits:
  - a. Hourly rates, verified by compliance tests (initial compliance test in the case of PM10 and

- 1,3-Butadiene):
- i. NO<sub>x</sub> as NO<sub>2</sub> – 0.68 lb/hr and 0.15 g/bhp-hr (averaged over one hour)
  - ii. VOC and CH<sub>4</sub> - 0.68 lb/hr and 0.15 g/bhp-hr
  - iii. CO – 2.7 lb/hr and 0.6 g/bhp-hr
  - iv. PM<sub>10</sub> - 0.39 lb/hr (front and back half)
  - v. 1,3-Butadiene - 0.004 lb/hr
- b. Annual rates, based on a rolling 12-month summary, verified by fuel use and compliance tests
- i. NO<sub>x</sub> - 5,918 lbs/year
  - ii. VOC – 5,918 lbs/year (VOC emissions emitted from this facility shall not exceed 3900 pounds/day)
  - iii. PM<sub>10</sub> - 3392 pounds/year (front and back half)
  - iv. CO – 23,673 lbs/year
- c. Formaldehyde concentration of 350 ppbv (corrected to 15% oxygen and on a dry basis).  
[AVAQMD Rule 1303 – BACT and AVAQMD Rule 1110.2]
3. Catalyst inlet temperature and catalyst inlet oxygen content shall be continuously monitored using a continuous parametric monitoring system while this system is in operation. The o/o shall install, calibrate, maintain and operate this monitoring system according to a District-approved monitoring protocol.  
[40 CFR 63 Subpart ZZZZ and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
4. Fuel consumption records shall be kept, either paper or computerized, and made available upon request.  
[AVAQMD Rule 1110.2]
5. The Owner/Operator (o/o) shall perform the following compliance tests each year beginning in 2004 in accordance with the District Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required:
- a. NO<sub>x</sub> as NO<sub>2</sub> in gram/bhp-hr and lb/hr (measured per USEPA Reference Methods 19 and 20)
  - b. VOC as CH<sub>4</sub> in gram/bhp-hr and lb/hr (measured per USEPA Reference Methods 25A or 18)
  - c. CO in gram/bhp-hr and lb/hr (measured per USEPA Reference Method 10)  
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
6. The catalyst inlet temperature shall be maintained between 750 and 1250 degrees Fahrenheit in accordance with Reciprocating Internal Combustion Engine NESHAP This requirement shall not apply for a maximum of thirty minutes after engine startup.  
[40 CFR 63 Subpart ZZZZ].



7. This unit shall be fired on pipeline quality natural gas. Propane may be used as a back-up fuel when natural gas is not available or for testing purposes.  
[AVAQMD Rule 431.1]
8. 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.  
[40 CFR 63 Subpart A and 40 CFR 63 Subpart ZZZZ]

CDM A – Compliance shall be demonstrated with operational records containing at a minimum the following information, or other equivalent method:

- a. Fuel consumption in standard cubic feet per calendar month.
- b. Catalyst performance data (inlet temperature and catalyst inlet oxygen content).
- c. Other parameters as specified in the District-approved CPMS protocol.
- d. The results of the compliance tests.

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 ZZZZ and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

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

1. 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)]
2. 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)]
3. 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)]
4. 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**

5. The o/o of this unit must submit a Status Report for the entire fleet\* by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 17 CCR 93116.4(e)(1):
    - a. The fleet's weighted average PM emission rate for the 2010 calendar year,
    - b. Inventory of portable engines in the fleet,
    - c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
    - d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
    - e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
    - f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
    - g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),
  
  6. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by Title 17 CCR 93116.4(c)(3) by January 1, 2012.
- \* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).
7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

	Engines <175 bhp	Engines >175 to 749 bhp	Engines >750 bhp
Date	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)

1/1/2020                      0.04                                      0.02                                      0.02

Fleet is defined in Title 17 CCR Section 93116.2(16).

8. The o/o of this unit must submit a 'Statement of Compliance' signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date                      Submit by

January 1, 2020    March 1, 2020

9. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements of the ATCM shall govern.

H. CONDITIONS APPLICABLE TO TURBINE, PORTABLE START CART, AVAQMD PERMIT # B010699 AND B010972

1. This turbine engine 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)]
2. This engine shall not be operated for more than 6 hours in any calendar day and not more than 100 hours in any calendar year.  
[AVAQMD Rule 1303 and AVAQMD Rule 204]
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 or Aircraft Jet Fuel (including JP-5, JP-8, Jet A and Jet A-1).  
[AVAQMD Rule 431.2]

CDM A – Compliance with conditions 1-3 shall be demonstrated with a log containing the date and duration (in minutes) 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]

I. 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]

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.  
[40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
2. 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]

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]

J. CONDITIONS APPLICABLE TO CAPS II PORTABLE AIR POLLUTION CONTROL EQUIPMENT (VARIOUS LOCATIONS), AVAQMD PERMIT #'S C011099, C011105, AND C011106.

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]

CDMA - 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.

**K. CONDITIONS APPLICABLE TO SIX STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006770, E006771, E006780, E006782, E008106, AND E008420:**

1. This unit shall be operated less than 200 hours per calendar year. This requirement includes usage during emergencies.  
[AVAQMD Rule 1110.2]
2. 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)]

3. 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)]
4. 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)]
5. 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)]
6. 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;<sup>1</sup>
  - 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.

<sup>1</sup> 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.

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, 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**

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. 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.

L. CONDITIONS APPLICABLE TO ONE STATIONARY LPG FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006783:

1. This unit shall be operated less than 200 hours per calendar year. This requirement includes usage during emergencies.  
[AVAQMD Rule 1110.2]
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. 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;<sup>1</sup>
  - 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.<sup>2</sup>

<sup>1</sup> 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.



<sup>2</sup> 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.

5. 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)]
6. 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)]
7. 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, 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**

1. 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)]

2. 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.

#### **M. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail); AVAQMD PERMIT NUMBER N011611:**

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.

#### **District/State-Only Enforceable Section**

1. Owner/Operator shall post in the gasoline dispensing area the District's toll free number.  
[Rule 461]
2. 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]
3. 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](http://o3.arb.ca.gov/vapor/asttimeline_123009.pdf)  
[Rule 204]

4. 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]
5. 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>
6. 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]
7. 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]
8. 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]
9. The total quantity of VOCs emitted from this facility shall not exceed 3900 lb per calendar day. [Rule 204]
- N. CONDITIONS APPLICABLE TO NATURAL GAS FUELED EMERGENCY GENERATORS: AVAQMD PERMIT NUMBERS E011904, E011905, E011907AND E012785:
  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. Furthermore, this unit shall be operated less than 200 hours per calendar year, including usage during emergencies. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit, but shall be included in the 200 hour per year maximum allowed runtime.  
[40 CFR 60.4243(d), AVAQMD 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. Date of each use and duration of each use (in hours);
  - b. Reason for each use (testing & maintenance, 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. Monthly differential pressure readings across the three-way catalytic converter.
  - 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]
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.  
[40 CFR 60.4243, AVAQMD Rule 1302]
7. E011907 - 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. NO<sub>x</sub>: 2.0 g/bhp-hr
- b. VOC: 1.0 g/bhp-hr
- c. CO: 1.6 g/bhp-hr
- d. PM<sub>10</sub>: 0.0095 lbs/MMbtu
- e. SO<sub>x</sub>: 0.0006 lbs/MMbtu

E011904 and E011905:

- a. NO<sub>x</sub>: 0.15 g/bhp-hr
- b. VOC: 0.75 g/bhp-hr
- c. CO: 4.0 g/bhp-hr
- d. PM<sub>10</sub>: 0.0095 lbs/MMbtu
- e. SO<sub>x</sub>: 0.0002 lbs/MMbtu

E012785:

- a. NO<sub>x</sub>: 1.0 g/bhp-hr
- b. VOC: 0.44 g/bhp-hr
- c. CO: 1.94 g/bhp-hr
- d. PM<sub>10</sub>: 0.0095 lbs/MMbtu
- e. SO<sub>x</sub>: 0.0006 lbs/MMbtu

Additionally, the engines 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.
- 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]

### **District/State-Only Enforceable Section**

- 8. 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)]
- 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. This engine is subject to the requirements of the New Source Performance Standards (NSPS) for Stationary Spark Ignition IC Engines (40 CFR 60, Subpart JJJ).

[AVAQMD Rule 1302]

O. CONDITIONS APPLICABLE TO PORTABLE PAINT SPRAY GUN; AVAQMD PERMIT # P010330, P010331

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]

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.

P. CONDITIONS APPLICABLE TO PAINT SPRAY BOOTHS; AVAQMD PERMIT # S006766, S006767, S006874, S007822, S007837, S008093, S009013, S012451, S012606, S012607, S012609, S012608, S012610, S012611, AND S012788:

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, S012609, S012608, S012610, 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, S012606, S012607, 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.

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]

Q. CONDITIONS APPLICABLE TO JP-5/JP-8 LOADING/UNLOADING FACILITY; AVAQMD PERMIT # 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.

R. CONDITIONS APPLICABLE TO STORAGE TANKS; AVAQMD PERMIT # T006772, T006773, T006786, T006787 AND T006794:

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.

S. 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.

T. CONDITIONS APPLICABLE TO PROPANE FUELED EMERGENCY GENERATORS; AVAQMD PERMIT NUMBERS # E012299, E012300, E012301, E012302, AND E012545:

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. Furthermore, this unit shall be operated less than 200 hours per calendar year, including usage during emergencies. Engine operating hours used for required emissions testing shall not count towards the 50 hours per year testing and maintenance limit, but shall be included in the 200 hour per year maximum allowed runtime.  
[40 CFR 60.4243(d), AVAQMD 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. Date of each use and duration of each use (in hours);
  - b. Reason for each use (testing & maintenance, 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. Monthly differential pressure readings across the three-way catalytic converter.
  - 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]
- 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 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.  
[40 CFR 60.4243, 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. NO<sub>x</sub>: 2.0 g/bhp-hr
  - b. VOC: 1.0 g/bhp-hr
  - c. CO: 4.0 g/bhp-hr
  - d. PM<sub>10</sub>: 0.0095 lbs/MMbtu
  - e. SO<sub>x</sub>: 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.  
[AVAQMD Rule 1110.2(F)(1)(a)]
  - 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. 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]

**District/State-Only Enforceable Section**

U. CONDITIONS APPLICABLE TO TWO NATURAL GAS FUELED BOILERS; AVAQMD PERMIT # B006409 AND B006410:

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. NO<sub>x</sub> less than 30 ppmvd; and
  - b. CO less than 400 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, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required. [AVAQMD Rule 1146(c)(2)]
5. The following records shall be kept:
  - c. Monthly year fuel consumption  
[40 CFR part 60 subpart Dc];
  - d. 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.

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

1. Dust shall be discharged into closed containers. [AVAQMD Rule 204]

CDM A – Compliance shall be demonstrated with either a log containing the information listed below, or other equivalent method.

2. The owner/operator O/O, shall provide to the District upon request the total number of aircraft depainted in any calendar year.
3. Should more than 6 aircraft be depainted in any calendar year within Bldg. 731, the owner/operator will be subject to all of the recordkeeping and reporting requirements specified in 40CFR 63 Subpart GG.

4. The owner/operator O/O will record the pressure drop across the filters each shift during depainting and painting operations. Records shall be either paper or computerized for the pressure drop.
5. The total amount of hexavalent chromium that can be spray applied in this equipment is limited to 82 lbs/year uncontrolled. Compliance with this condition shall be verified through operational records. [AVAQMD Rule 1401]
6. VOC-containing material used within Bldg. 731 will be recorded in accordance with AVAQMD Rule 109.

W. CONDITIONS APPLICABLE TO FIVE STATIONARY DIESEL FUELED PISTON TYPE INTERNAL COMBUSTION ENGINE – EMERGENCY ELECTRICAL POWER GENERATORS; AVAQMD PERMIT # E006403, E006404, E006406, E007093, AND E008856:

1. This unit shall be operated less than 200 hours per calendar year. This requirement includes usage during emergencies. [AVAQMD Rule 1110.2]
2. 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)]
3. 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)]
4. 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)]
5. 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)]
6. 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;<sup>1</sup>

- 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.

<sup>1</sup> 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]

- 7. 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.
- 8. 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]
- 9. 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)]
- 10. 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, 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)]

- 11. All required maintenance performed on the equipment  
[40CFR63.6655(a)(4)]
- 12. 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)]
- 13. 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**

- 1. 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)]
- 2. 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.

**X. CONDITIONS APPLICABLE TO TWO SPRAY BOOTHS AND ONE SPRAY HANGAR; AVAQMD PERMIT NUMBER; S006411, S006412, AND S006447:**

- 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. 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.

Y. CONDITIONS APPLICABLE TO PAINT CURING OVEN PERMIT NUMBER B012789:

1. The maximum operating temperature shall not exceed 500 degrees Fahrenheit.
2. The oven must be inspected periodically to ensure it is maintained in operating condition.

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.

Z. CONDITIONS APPLICABLE TO NATURAL GAS BOILER SYSTEM PERMIT NUMBER B012790:

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. The equipment's burners must be tuned and adjusted at least twice per year, according to the manufacturer's instruction, unless the boiler system was not operated for at least a six month-period, in which case only one tune-up is required. [District Rule 1146.1]
5. The boiler system shall meet the following emission limits (corrected to 3% oxygen and on a dry basis):
  - a. NOx 20 ppmvd or less
  - b. CO 70 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. 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]

AA. CONDITIONS APPLICABLE TO NATURAL GAS MAKE-UP AIR HEATERS PERMIT NUMBERS; B012795, B012796, B012797, B012798, B012835, B012836, B012837, AND B012838:

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:
  - 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) for B012835 AND B012836
- c. 46.4 million standard cubic feet (47.374 mmbtu) for B012797 and B012798
- d. 45.5 million standard cubic feet (47.304 mmbtu heat input) for B012837 AND B012838 per

[District Rule 1305 – Offsets]

- 4. The equipment's burners must be tuned and adjusted at least twice per year, according to the manufacturer's instruction, unless the boiler system was not operated for at least a six month-period, in which case only one 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. 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]

## 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

<b>Table I</b>		
<b>Pre-identified Open Spray Areas</b>		
<b>Program or Area</b>	<b>Building</b>	<b>Site (Plant)</b>
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.

**E. STATE IMPLEMENTATION PLAN (SIP) TABLE:**

The SIP table contains the origin and authority for each federally applicable requirement found in the Title V Permit.

<b>District Rule</b>	<b>Title</b>	<b>SIP Rule Version</b>	<b>Citation</b>	<b>Federally enforceable?</b>	<b>Notes</b>
109	<i>Recordkeeping For Volatile Organic Compound Emissions</i>	4/20/2010	Approved: 3/1/2012, 77 FR 12495, 40 CFR 52.220(c)(381)(i)(G)(2)	Y	Current Rule Version = 4/20/2010
203	<i>Permit to Operate</i>	8/19/1997	Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
204	<i>Permit Conditions</i>	8/19/1997	Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
206	<i>Posting of Permit to Operate</i>	1/9/1976	Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C.)	Y	Current Rule Version = 8/19/1997: Current rule adds a provision for facility permits and requires



			Submitted as amended 8/19/1997 on 3/10/1998		that they be kept at the location for which they are issued. For compliance purposes the current version of the rule shall apply
207	<i>Altering or Falsifying Of Permit</i>	1/9/1976	Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B); Approved 11/9/1978, 43 FR 52237, 40 CFR 52.220(c)(31)(vi)(C,)	Y	Current Rule Version = 1/9/1976
209	<i>Transfer And Voiding Of Permits</i>	1/9/1976	Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(iii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]; Submitted as amended 1/5/1990 on 12/31/1990; Submitted as amended 11/1/1985 on 6/4/1986	Y	Current Rule Version = 1/5/1990
217	<i>Provision for Sampling and Testing Facilities</i>	8/19/1997	Approved 2/22/2005, 70 FR 8557, 40 CFR 52.220(c)(254)(i)(E)(3)	Y	Current Rule Version = 8/19/1997
219	<i>Equipment Not Requiring a Written Permit</i>	9/4/1981	Approved 7/6/1982 47 FR 29231, 40 CFR 52.220(103)(xviii)(A), Submitted as amended on 2/16/1999	Y	Current Rule Version = 1/18/11; Current rule includes exemption for portable IC engines qualified as Military Tactical Support Equipment and registered pursuant to Portable Equipment Registration Program and other pertinent exemptions – For compliance purposes the current version of the rule shall apply
225	<i>Federal Operating Permit Requirement</i>	SIP Pending	Submitted as adopted 3/17/1998 on 2/16/1999	Y	Current Rule Version = 1/18/11
301	<i>Permit Fees</i>	Not SIP		N	Current Rule

					Version = 7/15/14
312	<i>Supplemental Fees for Federal Operating Permits</i>	Not SIP		N	Current Rule Version = 5/19/1998
401	<i>Visible Emissions</i>	3/2/1984	Approved 5/3/1984 49 FR 18822, 40 CFR 52.220(c)(70)(i)(D) and 40 CFR 52.227(b)(4)(i) and 1/29/1985, 40 CFR 52.220(c)(155)(iv)(B) 50 FR 3906	Y	Current Rule Version = 4/7/1989
403	<i>Fugitive Dust</i>	5/7/1976	Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C)	Y	Current Rule Version = 4/20/2010
404	<i>Particulate Matter Concentration</i>	10/5/1979	Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(58)(ii)(B), Submitted as amended 2/7/1986 on 6/4/1986, approved for SCAQMD area only 9/2/1998	Y	Current Rule Version = 2/7/1986
405	<i>Solid Particulate Matter, Weight</i>	5/7/1976	Approved 9/28/1981, 46 FR 47451, 40 CFR 52.220(c)(69)(ii), Submitted as amended 2/7/1986 on 6/4/1986 and approved for SCAQMD area only 9/2/1998	Y	Current Rule Version = 2/7/1986
407	<i>Liquid and Gaseous Air Contaminants</i>	4/2/1982	Approved 11/10/1982 47 FR 50864, 40 CFR 52.220(c)(124)(iv)(A)	Y	Current Rule Version = 4/2/1982
408	<i>Circumvention</i>	5/7/1976	Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iii)(C)	Y	Current Rule Version = 5/7/1976
409	<i>Combustion Contaminants</i>	8/7/1981	Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)	Y	Current Rule Version = 8/7/1981
430	<i>Breakdown Provisions</i>	Not SIP		N	Current Rule Version = 3/17/1998
431.1	<i>Sulfur Content of Gaseous Fuels</i>	8/21/2012	Approved 9/30/2013, 78 FR 59840, 40 CFR 52.220(c)(429)( i)(B)(1)	Y	Current Rule Version = 8/21/2012
431.2	<i>Sulfur Content of Liquid Fuels</i>	2/2/1979	Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)	Y	Current Rule Version = 5/4/1990
442	<i>Usage of Solvents</i>	3/5/1982	Approved 11/16/1983, 48 FR 52054, 40 CFR 52.220(c)(125)(ii)(D)	Y	Current Rule Version = 11/15/2005; Current

					version of the rule eliminates the hourly and daily limits, eliminates the references to photochemical and nonphotochemical reactivity, sets a facility-wide calendar monthly limit of 1190 pounds of VOC, and adds an exemption for aerosol products. For compliance purposes the current version of the rule shall apply]
444	<i>Open Fires</i>	10/2/1981	Approved 7/6/1982 47 FR 29231, 40 CFR 52.220(c)(104)(ii)(A), Submitted as amended 10/2/1987 on 3/23/1988	Y	Current Rule Version = 2/19/08
461	<i>Gasoline Transfer and Dispensing</i>	10/21/2008	Approved, 40 CFR 52.220(c)(366)(i)(C)(1)	Y	Current Rule Version = 10/21/08
481	<i>Spray Coating Operations</i>	01/21/81	Approved 40 CFR 52.220(c)(47)(i)(B)	Y	Current Rule Version = 05/05/78
1107	<i>Coating Of Metal Parts and Products</i>	5/12/1995	Approved 7/14/1995, 60 FR 36230, 40 CFR 52.220(c)(222)(i)(A)(1)	Y	Current Rule Version = 3/8/1996; Current version of the rule includes an exemption for aerosol products. For compliance purposes the current version of the rule shall apply.
1110.2	<i>Emissions From Stationary, Non-road &amp; Portable Internal Combustion Engines</i>		Submitted as amended on 01/21/03 on 04/01/03	Y	Current Rule Version = 1/21/2003
1113	<i>Architectural Coatings</i>	3/18/2003	Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1)	Y	Current Rule Version = 6/8/2013
1124	<i>Aerospace Assembly and Component</i>	1/13/1995	Approved 5/6/1996, 61 FR 20136, 40 CFR 52.220(c)(215)(I)(A)(5)	Y	Current Rule Version = 8/20/13; Current version of

	<i>Manufacturing Operations</i>				the rule aligns specialty coating categories with the CTG dated December 1997 entitled Control of Volatile Organic Compound Emissions from Coating Operations at Aerospace Manufacturing and Rework Operations. For compliance purposes the current version of the rule shall apply.
1136	<i>Wood Products Coatings</i>	9/8/1995	Approved 10/31/1995, 60 FR 55312, 40 CFR 52.220(c)(225)(i)(A)(1)	Y	Current Rule Version = 6/14/1996; Current version adds coating categories, raises VOC limit for high solids stains, adds lb VOC/lb solid compliance option, and adds a transfer efficiency exemption for applying compliant materials. For compliance purposes the current version of the rule shall apply.
1140	<i>Abrasive Blasting</i>	2/1/1980	Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(67)(i)(B)	Y	Current Rule Version = 8/2/1985
1145	<i>Plastic, Rubber and Glass Coatings</i>	1/10/1992	Approved 12/20/1993, 58 FR 66286, 40 CFR 52.220(c)(191)(i)(A)(1)	Y	Current Rule Version = 2/14/1997; Current version references compliance with Rule 1171 in place of rule references to solvent cleaning and stripping requirements and adds an airbrush transfer efficiency exemption. For

					compliance purposes the current version of the rule shall apply.]
1146	<i>Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters</i>	5/13/1994	Approved 9/6/95, 60 FR 46220, 40 CFR 52.220(c)(198)(i)(H)(1)	Y	Current Rule Version = 5/13/1994
1162	<i>Polyester Resin Operations</i>	5/13/1994	Approved 8/25/94, 59 FR 43754, 40 CFR 52.220(c)(215)(i)(A)(1)	Y	Current Rule Version = 5/13/1994
1168	<i>Adhesive Applications</i>	9/20/2011	Approved 40 CFR 52.220(c)(411)(i)(D)(1)	Y	Current Version = 09/20/11
1171	<i>Solvent Cleaning</i>	9/13/1996	Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2)	Y	Current Rule Version = 11/17/1998; Current version of the rule limits solvents used for repair and maintenance cleaning to 900 g/l VOC or 20 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.
1401	<i>New Source Review for Toxic Air contaminants</i>	Not SIP		N	Current Rule Version = 8/15/2006
Reg XIII	<i>New Source Review</i>	SIP Pending	Submitted as amended 3/20/2001 on 10/31/2001; Approved for SCAQMD 12/4/1996, 61 FR 64291, 40 CFR 52.220(c)(240)(i)(A)(1); Conditionally Approved 6/9/1982, 47 FR 25013, 40 CFR 52.220(c)(87)(v)(A); Conditionally Approved	Y	Current Rule Version = 3/20/2001

			1/21/1981, 46 FR 5965, 40 CFR 52.220(c)(68)(i)		
3003	<i>Federal Operating Permits</i>	Not SIP		Y	Current Rule Version = 4/19/05
3011	<i>Greenhouse Gas Provisions of Federal Operating Permits</i>	Not SIP		Y	Current Rule Version = 1/18/2011

## 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 or 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)(3)]

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)(5)]

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)(4)]

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 20° C (68° 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, shall be stored in non-absorbent, non-leaking containers which shall be kept closed at all times except when filling or emptying. It is recommended that cloth and paper moistened with VOC-containing solvents be stored in closed, non-absorbent, non-leaking containers. [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)]

*National Emission Standards for Hazardous Air Pollutants*

40 CFR 63, Subpart A, *General Provisions*

40 CFR 63, Subpart GG, *Aerospace Manufacturing and Rework Facilities*

40 CFR 63, Subpart WWWW, *Reinforced Plastics Composite Production*

40 CFR 63, Subpart DDDDD, *Industrial, Commercial, Institutional Boilers and Process Heaters.*

40 CFR 63, Subpart ZZZZ, *Stationary Reciprocating Internal Combustion Engines*