ANTELOPE VALLEY
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 97001754

For: Lockheed Martin Aeronautics Company

Facility: Plant 10 and Air Force Plant 42
Site 2 and Site 7 (Partial)
1011 Lockheed Way, Palmdale CA

Issued Pursuant to AVAQMD Regulation XXX

Effective Date: April 12, 2021

Expiration Date: April 12, 2026

Bret Banks
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Issued By:
Bret Banks
APCO

2551 WEST AVENUE H, LANCASTER CALIFORNIA 93536
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PERMIT REVISIONS

September 28, 2022, Significant Permit Amendment

Lockheed submitted an application for Significant Modification on June 2, 2022, to modify the Site 2 B211 S006380 paint hangar filter plenum, replace B/637A C006118 UVOX control device with a non-regenerative carbon adsorption control system, modify the foam coating line at B644 B013025 by adding two new 1 MMBtu/hour drying ovens and other equipment, permit two new composite curing ovens at B645, and replace the B651 S008708 paint spray booth. These described permit actions are processed in accordance with District Regulations XIII (NSR) and XXX (Title V Program). See the Districts Preliminary Determination/Decision-Statement of Basis dated October 24, 2022.

New permit numbers are as follows:

- Site 2 B/211 Spray Booth – S014582
- B/637A Non-regenerative Carbon Adsorption System – C014585
- B/644 Foam Coating Line – B014584
- B/645 Composite Curing Ovens – B014586 and B014588
- B/651 Spray Booth – S014587

August 13, 2021, Administrative Permit Amendment described as follows:
Lockheed (M. Stepman) requested Boiler 4 SCR permit condition (Part III.J.5) related to catalyst bed temperature be changed from outlet temperature measurement to inlet temperature measurement. The request stipulates per boiler manufacturer the measurement of the catalyst inlet is sufficient to ensure reaction occurs because the boiler cut-in temperature and rapid warming of the catalyst ensures sufficient reaction of ammonia and NOx will occur when using the catalyst inlet temperature as opposed to outlet temperature. Part III.J.5 updated accordingly.
Changes by C. Anderson

April 12, 2021 (issuance date) Title V Permit Renewal
Lockheed submitted application for Significant Modification on July 13, 2020, to permit one new robotic spray booth with one low temp electric curing oven and one new boiler with SCR. Additionally, Lockheed submitted application for Renewal of Title V permit in October 2020. These described permit actions are being processed with this Title V Renewal in accordance with District Regulations XIII (NSR) and XXX (Title V Program). See the Districts Preliminary Determination/Decision-Statement of Basis dated February 24, 2021.

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PART I
INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

Owner/Company Name:	Lockheed Martin Aeronautics Company
Owner Mailing Address:	Lockheed Martin Aeronautics Company 1011 Lockheed Way Palmdale, CA 93599
Facility Name:	Plant 10 and Air Force Plant 42 Site 2
Facility Location:	1011 Lockheed Way, Palmdale CA
Mailing Address:	Lockheed Martin Aeronautics Company 1011 Lockheed Way Palmdale, CA 93599
AVAQMD Federal Operating Permit Number:	97001754
AVAQMD Company Number:	970
AVAQMD Facility Number:	01754
Responsible Official: Title:	Scott Eads ADP Vice President, Production Operations
Phone Number:	(661) 405-8790
Facility Contacts: Phone Number:	Reenu Ko 661-572-3326
Nature of Business:	Aircraft Assembly, Maintenance and Modification
SIC Code:	3720 – Aircraft and Parts
Facility Location:	UTM (Km): 398.0E/3830.9N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit, (FOP number: 097001754) for Lockheed Martin Aeronautics Company, located at 1011 Lockheed Way Palmdale, CA 93599**.** The facility is for the research and development, design, assembly, maintenance, and modification of military aircraft. Facilities include the following; Abrasive Blasting and Control Equipment, Ink Mixing Equipment, Foam Coating Equipment, Paint Spray Booths, Flow Coaters, Ovens, Portable Air Pollution Control Equipment (PAPCE), a UVOX Emission Control System or a Non-Regenerative Carbon Adsorption Emission Control System, a Thermal Oxidizer (TOS) Emission Control System, Internal Combustion Engines (ICEs), Boilers, SCR Systems for Boiler #3 and #4 in Building 603, Fuel Dispensing Facilities, a Still for Recycling Paint Thinner, Coolant Storage Tanks, a Jet Engine Test Stand, a Silk Screen Printing Press, a Shredder and Control Equipment, and a Process Line.

C. PERMITTED EQUIPMENT:

Permit #	Title V Part III Condition	Permit Type	Permit Description	Equipment Description	Location
A006367	A	Basic	Abrasive Blasting Room	1. Room Pauli & Griffin, model Pram 210560 serial no. 040340, 20'-0" W. X 60'-0" L. X 15'-0" H. 2. Two Nozzles with a maximum inside diameter of 3/4 diameter and a maximum working pressure of 60 psig. 3. Two pressure pots 4. Two cyclone separators 5. Two vibrating screen separators vented to two parallel dust collectors with 30 filter bags equipped with a 7 1/2 hp exhaust blower.	Building 211, Site 2
C006383	A	Control Device	Baghouse/Dust Collector	1. Baghouse, Pauli & Griffin, model 24 DC, cartridge type, 5'-10" W. X 8'-6" L. X 16'-2" H., with 30 filter cartridges and a pulse jet cleaning system. 2. Exhaust system with one 20 hp. blower venting an abrasive blasting room.	
A006421	A	Basic	Abrasive Blasting Room	1. Abrasive blasting room, 10'-0" W. X 25'-0" L. X 10'-0" H. 2. Pressure pot Pram 11, Serial No. 5390 3. Abrasive blasting nozzle, with a maximum internal diameter of 1 inch and a maximum working pressure of 125 psig.	Building 601 Plant 10
C012228	A	Control Device	Air Pollution Control System	1. Cyclone separator 2. Dust collector, Pauli & Griffin, model no. type DV, with fifteen cartridge filters, 12.79" dia. X 26" L., and a reverse pulse jet cleaning system. 3. Exhaust system venting an abrasive blasting room	
A006500	A	Basic	Abrasive Blasting Room	1. Room, 10'-0" W. X 15'-0" L. X 10'-0" H. 2. Pressure pot 3. Abrasive blasting nozzle with a maximum inside diameter of ½ inch and maximum working pressure of 22 psig.	Building 636, Plant 10

C012227	A	Control Device	Air Pollution Control System	1. One centrifugal reclaimer separator. 2. Dust collector, S.T.I., cartridge type, with 10 filters each 0'-10" dia. X 2'-0" L. and a reverse pulse jet cleaning system. 3. Exhaust system with a 5 hp. blower venting an abrasive blasting room	Building 636, Plant 10
A007054	B	Basic	Abrasive Blasting Room	North side of Building 610. This building is divided by a rectangular partition. The control system, District permit number C007055 controls the emissions from both the north and south portions of this modified building. The North side of Building 610 includes three stage dense particle separators/baghouse, cyclone separator/baghouse, feeding storage hopper which feeds five 750 lb. blast pots consisting of a total of five nozzles each with a maximum inside diameter of 3/4" and a maximum air pressure of 60 psig. Minor paint spraying covered by Permit S006448 is also conducted on the north end of this building.	Building 610, Plant 10
C007055	B	Control Device	Baghouse/Dust Collector	EPA Method 319 approved filter system	
A006389	C	Basic	Abrasive Blasting Cabinet	1. Cabinet Pauli & Griffin Co., Model Pram 31 Serial No. 211, 4'-0" W X 5'-0" L X 5'-7" H. 2. Pressure pot. 3. Nozzle with a maximum inside diameter of 3/8", and a maximum working pressure of 35 PSIG. 4. Cyclone separator 5. Vibrating screen	Building 601, Plant 10
C006388	C	Control Device	Baghouse/Dust Collector	1. Dust Collector, Pauli & Griffin Co., 3'0" W x 4'10" L x 7'-4" H, with two filter cartridges each 1'-0" dia. X 2'-2" L. 2. Exhaust system with a 2 hp blower venting an abrasive blasting cabinet.	
A006408	C	Basic	Abrasive Blasting Cabinet	1. Abrasive blasting cabinet, Pauli & Griffin, Model Pram-31, Serial No. 161, 6'-0" W x 4'-0" L x 5'-7" H, with a 2 hp cyclone separator. 2. Nozzle with a maximum inside diameter of 3/8" and a maximum air pressure of 40 PSIG.	Building 601, Plant 10

C006400	C	Control Device	Baghouse/Dust Collector	1. Dust collector, Pauli & Griffin, Model P and G Pram, cartridge type, 3'0" W x 4'10" L x 7'-4" H, with two filter cartridges each 1'-0"diameter x 2'-2" L. 2. Exhaust system with 2 hp blower venting an abrasive blasting cabinet.	
A006416	C	Basic	Abrasive Blasting Cabinet	1. Cabinet, Pauli & Griffin Co., model PRAM 31, 5'-0" W. X 5'-0" L. X 6'-3" H. 2. Pressure pot 3. Nozzle with a maximum inside diameter of 1/2 inch, and a maximum working pressure of 50 psig. 4. Cyclone separator 5. Vibrating screen	Building 211, Site 2
C006422	C	Control Device	Baghouse/Dust Collector	1. Dust collector, Pauli & Griffin Co., 3'-3" W. X 5'-5" L. X 7'-7" H., with two filter cartridges each 1'-0" dia. X 2'-2" L. 2. Exhaust system with a 2 hp. blower venting an abrasive blasting cabinet.	
A007056	C	Basic	Abrasive Blasting Cabinet	1. Cabinet Pauli & Griffin Co., Model Pram 31 Serial No. 162, 5'9" W x 5'0" L x 5'9" H 2. Pressure pot 3. Nozzle with a maximum inside diameter of 1/2", and a maximum working pressure of 50 PSIG. 4. Cyclone separator 5. Vibrating screen	Building 610, Plant 10
C007651	C	Control Device	Baghouse/Dust Collector	1. Dust Collector, Pauli & Griffin Co. Serial No. 162, 4'11" W x 7'4"L x 3'0" H, with two filter cartridges each 1'-0" diameter x 2'-2" L. 2. Exhaust system with a 2 hp blower venting an abrasive blasting cabinet.	
B006432	D	Basic	Shredder	Shredding System Inc., rotary shear type, model no. 1600 E., 100 hp, serial no. 2760584, with a feeding belt conveyor, 75 hp.	Building 613, Plant 10
C006429	D	Control Device	Baghouse/Dust Collector	1. Baghouse, Fabric Filter Northwest, model FFNW 109-8, pulse jet cleaning type, with 109 filter bags, each 4-5/8" dia. X 8'-0" L., total area 1,056 sq. ft. 2. Exhaust system with a 15 hp. blower venting a shredder. Operated concurrently with a Shredder under District permit #B006432.	

B006491	H	Basic	Boiler #1	Keystone, 91,000,000 Btu per hour, natural gas fired, with an AUS model 5000 Staged-Air Low NOx Burner, 75 hp. Combustion Air blower, a forced draft flue gas recirculation system with a 50-hp flue gas recirculation blower, a Honeywell oxygen trim system, a Honeywell strip chart recorder, fuel oil compatible for emergency use.	Building 603, Plant 10
B006488	H	Basic	Boiler #2	Keystone, 91,000,000 Btu per hour, natural gas fired, with an AUS model 5000 Staged-Air Low NOx burner, 75 hp. Combustion Air blower, a forced draft flue gas recirculation system with a 50 hp flue gas recirculation blower, a Honeywell oxygen trim System, a Honeywell strip chart recorder, fuel oil compatible for emergency use.	
B006436	I	Basic	Boiler #3	Nebraska Boiler Company, model NE-E-65, 96,000,000 Btu/hr with one Coen, model 670 DAF-32 natural gas fired multistage Fry-Compak Lo NOx Burner. a 100 hp combustion air blower, a 50 hp forced draft flue gas recirculation system, an ERI Economizer, a Continuous Emission Monitoring System (CEM), fuel oil compatible for emergency use.	
C006459	I	Control Device	SCR	NOx Selective Catalytic Reduction, Peerless, utilizing two banks of Norton Catalyst, type NC300, Zeolite based, ceramic honeycomb, and each bank consisting of eight modules in a 11'-9" W. X 6'-6" L. X 11'-9" H. frame, with a system total catalyst volume of 117 cubic feet. This unit serves Boiler #3.	

B013914	J	Basic	Boiler #4	Cleaver Brooks Industrial Watertube Boiler, NB-100D-40, 36.5 MMBtu/hr, with a Cleaver Brooks NE-378-30 burner	Building 603, Plant 10
C013915	J	Control Device	SCR	NOx Selective Catalytic Reduction, Manufacturer TBD	
B012658 and B012851	K	Basic	Boiler	Cleaver Brooks, Model FLX700-700 rated at a total of 14MMBtu/hr Boiler with (2) 7 MMBtu/hr, Profire Low NOx Burners, Model MTHG-084	Building 211, Site 2
B013213 and B013214	K	Basic	Boiler	Cleaver-Brooks, model CFLC700-12000-160#HW, rated at a total of 24 MMBtu/hr, with (2) 12MMBtu/hr Low NOx Burners	Building 210, Site 2
B008132	X	Basic	Coating Line	Conveyorized core coating machine equipped with a stationary gravity fed coating head, electric air dryer and oven.	Building 637A, Plant 10
B008133	X	Basic	Coating Line	Conveyorized core coating machine equipped with a stationary gravity fed coating head, oven and electric air dryer.	Building 637A, Plant 10
B009972	Y	Basic	Coating and Curing Oven Line	Spray Systems Paint Spray, Model I-181220, with exhaust filters covering the entire filter bank area and a DFI electric oven rated at 380 kw.	Building 636, Plant 10
B006456	Z	Basic	Flow Coater	Sky Bond Flow Coater, LM Custom, 4'-6 W X 9'-4 L X 0'-10 H, with diaphragm-type recirculation pump.	Building 637A, Plant 10
B010110	AB	Basic	Curing Oven	Electric curing oven, 12 KW, model OV4035, 6 ft x 4 ft x 4 ft, maximum temperature 150 degrees Fahrenheit, served by one (1) - 1100 cfm circulating blower with 5 hp motor.	Building 601, Plant 10
B006423	AC	Basic	Silk Screening Equipment	1. American Screen Printing, one color, 48" sheet width, exhaust fan and two 1/8 hp. conveyor drivers. 2. Dryer, American Screen Printing, model Arrow Jet, 100 KW, electrically heated, with two 2 hp. circulation blowers and two 1/8 exhaust fans.	Building 636, Plant 10
B006116	AG	Basic	Oven	No. PA5, Industrial Systems, 16'-0" W. X 32'-0" L. X 8'-0" H., 1,590,000 Btu/hr., natural gas fired, with one 25 hp circulation fan and one 3/4 hp exhaust fan.	Building 637A, Plant 10

B006435	AH	Basic	Oven	Cure oven PS-10, model BE14258500, 14'-6" W. X 25'-0" L. X 7'-6" H., electrically heated, 375 KW.	Building 636, Plant 10
B008123	AI	Basic	Oven	Electric curing oven, 12' W by 25' L by 12' H, max temperature 200 degrees Fahrenheit.	Building 637A, Plant 10
B008124		Basic	Oven	Electric curing oven, 12' W by 25' L by 17' H, max temperature 200 degrees Fahrenheit.	Building 646, Plant 10
B014000		Basic	Curing Oven	DF Industries 300 KW electrically heated low temperature curing oven, 11'W x 20'L x 8'H with an operation temperature of 250 F. One (1) recirculating blower produces 32,000 CFM (approx.) of air circulation.	Building 637A, Plant 10
B014586	AT	Basic	Curing Oven	ASC Process Systems, natural gas-fired, Model OVG20X60X10-500F-36S18P36T, 20'W x 60'L x 10'H, 18 MMBTU/hr with six 3 MMBtu/hr burners, max temperature 500 degrees Fahrenheit, served by 12 – 23,800 CFM downdraft recirculation fans and a 30 HP blower. Equipped with a Maxon Ovenpak LE or equivalent low NOx burner	Building 645, Plant 10
B014588		Basic	Curing Oven	ASC Process Systems, natural gas-fired, Model OVG20X40X10-500F-24S12P24T, 20'W x 40'L x 10'H, 12 MMBTU/hr with four 3 MMBtu/hr burners, max temperature 500 degrees Fahrenheit, served by 8 – 23,800 CFM downdraft recirculation fans and a 20 HP blower. Equipped with a Maxon Ovenpak LE or equivalent low NOx burner	

B010207	AJ	Basic	Batch Ink Mixing Equipment	Automated Ink & Coating Manufacturing System consisting of 1. 150 Gallon Pre Mix Tank 2. 150 Gallon Blend Tank 3. 500 Gallon Let Down Storage Tank 4. 500 Gallon Base Storage Tank 5. 8 x 300 Gallon Density Storage Tanks 6. 3 x 120 Gallon Reservoir Tanks 7. 15 hp Pre Mixer 8. 99.91% Efficient Pre Mixer Dust Collector 9. 3 gallon Small Add Weigh Hopper 10. 1800 Gallon Containment Deck Spillage Storage	Building 637A, Plant 10
B008422	AL	Basic	Process Line	Tanks nominally 500 gal each Tank 1 – Pickle Tank 2 - Alkaline Clean Tank 3 – Rinse Tank 4 – Passivate Tank 5 - Hot Dip Locus 6 - Drying Oven Tank 9 - Alkaline Clean Tank 10 - Alkaline Etch Tank 11 - Spray Rinse Tank 12 – Deoxidizer Tank 13 - Spray Rinse Tank 14 - Aqueous Cleaner Tank 15 - Hot Dip (or other per Rule 219) Tank 16 - Chem Film Locus 17 - Drying Oven	Building 651, Plant 10
B006162	AR	Basic	Jet Engine Test Stand	Jet Engine Test Stand	Plant 10

B014584	AS	Basic	Flow Coater	1. Vacuum coating tank, Buckeye Fabricating, 1,800 gallon capacity, 117 ½" L x 81 ¼" D 2. Mixing tanks (2), Protectoplas Company, 2,500 gallon capacity each, 117" H x 90" D with a 3 HP motor 3. DI water tank 4. Waste tank, Protectoplas Company, 4,200 gallon capacity, 149" H x 102" D, double walled 5. Ink product supplied to the mixer directly from 55 gallon drums 6. Natural gas-fired curing oven, 1.5 MMBtu/hr, EJ Callahan & Company, Model No. EJ-15198, Installation date 7/1/96 7. Electrically-heated curing oven, ASC Process Chatsworth, 10'W x 25'L x 8" H (approximate), Installation date 1/30/02 8. Storage Tank, Boardman LLC, 2900-gallon capacity, Model No. T-800 Serial No. 75143 9. Batch Tanks (2), South & North, Boardman LLC, 1300-gallon capacity, Model Nos. T-210 and T-410, Serial Nos. 75142 and 75200 10. Raw Ink Storage Tank, Boardman LLC, 500-gallon capacity, Model No. T-140, Serial No. 75141 11. Vacuum chamber, LACO Technologies, 118" L x 91" W x 64" H, Model LVS-1P34226 (Custom Built), Serial No. 51928-1 12, Ovens (2) South and North, ASC Process Systems, 1 MMBtu/hr,11.6 L 'x 20' W x 7 H', Model OVG11.6X20X7-250F-20T-GAS, Serial Nos. 20589 and 20590, Max temp 250F 13. Liquid Waste Mix Tank T-1, PolyProcessing, 2300-gallon capacity, :10'1", OD:7'11", with a 2HP Mixer, 14. Liquid Waste Effluent Tank, T-2, PolyProcessing, 2050-gallon capacity, H:8', OD: 7'1" 15. Liquid Waste Supply Tanks (2) T-6 & T-7, PolyProcessing. 3950-gallon capacity H: 10'4", OD:10'	Building 644, Plant 10

C010991	AD	Control Device	Concentrator/ Regenerative Thermal Oxidizer	Two Munters Zeol Rotor Concentrator Systems, Model No. IZS-DP3546-RTO, each system produces a maximum of 50,000 scfm (100,000 scfm total), and consisting of the following; twin rotary concentrator, inlet and outlet plenums, three-stage filter plenum, process exhaust fan and variable fan drive, cool air process fan and ducting, an integrated gas-fired desorption heater equipped with an Eclipse Winnox Model WX010 low NOx burner rated at 1 MMBtu/hr, a twin bed regenerative thermal oxidizer equipped with a Maxon Kinedizer LE low NOx burner rated at 2.4 MMBtu/hr. Each system exhausts to a common stack. <u>Room T118 Paint Shop</u> F-35 Radome Paint booth (LM# 10151297) 14' W X 14' H X 14' D, with exhaust filters covering entire filter bank area. Paint booth (LM# B0757848) 20' W X 8' H X 8' D, with exhaust filters covering entire filter bank area. Paint booth (LM# B0757849) 20' W X 8' H X 8' D, with exhaust filters covering entire filter bank area. Cure Oven PS-10 (LM#C0065732, District Permit # B006435) <u>Room T122</u> Silicones Paint booth (LM# 45410) 14' W X 8' H X 8' D, with exhaust filters covering entire filter bank area. <u>Room T105</u> F-22 Radome Paint booth (LM# 10150377, District Permit# B009972) 23' W X 12' H X 20' D with exhaust filters covering entire filter bank area. <u>Room T-109</u> Silk Screen Equipment, (LM# B764243, District Permit # B006423)	Building 636, Plant 10

C006118	AE	Control Device	UVOX	1. Three multi-stage filter assemblies consisting of 2" thick HVAC filters, 6" thick pleated filters and high efficiency particulate arrestor filters. 2. Three mist/air dispersion units. 3. Three aqua reactors. 4. Three photolytic reactors. 5. Three activated oxygen generators. 6. Four activated carbon adsorber beds. 7. Water recycling tank 8. Exhaust system consisting of four 150 HP blowers venting the listed spray booths and other subject equipment. Spray booth, No. PA02, Binks, floor type, 50 ft W x 17 ft 6" D x 8 ft H, with exhaust filters covering entire filter bank area. Spray booth, No. MR01, Binks, floor type, 6 ft W x 8 ft D x 8 ft H, with exhaust filters covering entire filter bank area. Organic Coating and Drying Line and Oven, District Permit No. B008132 Organic Coating and Drying Line and Oven, District Permit No. B008133 Oven, No. PA05, District Permit No. B006116 Flow Coater, Skybond, District Permit No. B006456	Building 637A, Plant 10

C007747	AF	Control Device	Portable Air Pollution Control Device	AirVerter, Model PP-500XP, Identification No. D0006239 1. Ducts, Support Arms and Collection Hoods 2. Large Particulate Filter, 24" W x 24" L x 1" D 3. Baldor 5 hp electric motor 4. Pocket Filter, 24" W x 24" L x 6" D 5. HEPA Filter (99.97 % effective to 3 microns), 24" W x 24" L x 11 1/2" D 6. Carbon Filter, 26" D x 2" W 7. Magnehelic Gauge	Various Locations
C008733	AF	Control Device	Portable Air Pollution Control Device	AirVerter, Model PP-500XP, Identification No. CICN 67536 1. Ducts, Support Arms and Collection Hoods 2. Large Particulate Filter, 24" W x 24" L x 1" D 3. Baldor 5 hp electric motor 4. Pocket Filter, 24" W x 24" L x 6" D 5. HEPA Filter (99.97 % effective to 3 microns), 24" W x 24" L x 11 1/2" D 6. Carbon Filter, 26" D x 2" W 7. Magnehelic Gauge	Various Locations
C011697	AF	Control Device	Portable Air Pollution Control Device	AirVerter, Model PP-500XP, Identification No. 10151095 1. Ducts, Support Arms and Collection Hoods 2. Large Particulate Filter, 24" W x 24" L x 1" D 3. Baldor 5 hp electric motor 4. Pocket Filter, 24" W x 24" L x 6" D 5. HEPA Filter (99.97 % effective to 3 microns), 24" W x 24" L x 11 1/2" D 6. Carbon Filter, 26" D x 2" W 7. Magnehelic Gauge	Various Locations

C011698	AF	Control Device	Portable Air Pollution Control Device	AirVerter, Model PP-500XP, Identification No. 10151096 1. Ducts, Support Arms and Collection Hoods 2. Large Particulate Filter, 24" W x 24" L x 1" D 3. Baldor 5 hp electric motor 4. Pocket Filter, 24" W x 24" L x 6" D 5. HEPA Filter (99.97 % effective to 3 microns), 24" W x 24" L x 11 1/2" D 6. Carbon Filter, 26" D x 2" W 7. Magnehelic Gauge	Various Locations
C014585	AV	Control Device	Non-Regenerative Carbon Adsorber	1. Three multi-stage filter assemblies consisting of 2" thick HVAC filters, 6" thick pleated filters and high efficiency particulate arrestor filters. 2. Four Evoqua 20,000 lb RB Series Roll-Off carbon adsorbers venting to 3. Four activated carbon adsorber beds each containing 33,000 lbs of carbon. 4. Exhaust system consisting of four 150 HP blowers venting the listed spray booths and other subject equipment. Spray booth, No. PA02, Binks, floor type, 50 ft W x 17 ft 6" D x 8 ft H, with exhaust filters covering entire filter bank area. Spray booth, No. MR01, Binks, floor type, 6 ft W x 8 ft D x 8 ft H, with exhaust filters covering entire filter bank area. Organic Coating and Drying Line and Oven, District Permit No. B008132 Organic Coating and Drying Line and Oven, District Permit No. B008133 Oven, No. PA05, District Permit No. B006116	B/637A, Plant 10

N006375	AM	Basic	Gasoline Dispensing, Non-Retail	A. Tanks - Number of Tanks: 1 Material Stored - 87U Volume Gallons - 2000 Above/Under Ground-. A B. Dispensing Equipment Gasoline Dispensing Nozzle - 1 Diesel Dispensing Nozzles - 0 Phase II Vapor Recovery System - Balance	Building 250, Site 2
N006513	AN	Basic	Gasoline Dispensing, Non-Retail	A. Tanks - Number of Tanks: 2 Tank No. 1 Material Stored - 87U Tank No. 1 Volume Gallons - 10152 Above/Under Ground - A Tank No. 2 Material Stored - Diesel Tank No. 2 Volume Gallons – 10152 Above/Under Ground - A B. Dispensing Equipment Gasoline Dispensing Nozzle - 1 Diesel Dispensing Nozzles - 1 Phase II Vapor Recovery System - Balance	Building 617, Plant 10
P006440	AA	Basic	Spray Gun	DeVilbiss HVLP Model JGA-510	Building 604, Plant 10

S014582	AU	Basic	Paint Spray Booth	LM Custom; 78'-0 W. X 185'-0" L. X 32'-0" H., with exhaust filters covering entire filter bank area arranged in three separately operated plenums, two measuring 38'L X 10'H X 2.5'D and the center one measuring 40'L X 20'H X 2.5'D with four exhaust fans, 60hp each which can be operated individually.	Building 211, Site 2
S006439	L	Basic	Paint Spray Booth	Spray Systems, floor type, 24'-6" W. X 10'-0" L. X 8'-0" H., with exhaust filters covering entire filter bank area, and two (2) exhaust fans.	Building 645, Plant 10
S006441	L	Basic	Paint Spray Booth	Binks, floor type, Model PBF8TLO, 6'-0' W. X 6'-0" L. X 6'-0" H., with exhaust filters covering entire filter bank area, one (1) 3 hp exhaust fan.	Building 610, Plant 10
S006442	L	Basic	Paint Spray Booth	No. 1, floor type, 20'-0" W. X 15'-0" L. X 18'-0" H., with exhaust filters covering entire filter bank area, one (1) 10 hp exhaust fan.	Building 610, Plant 10
S006443	L	Basic	Paint Spray Booth	No. 2, floor type, 20'-0 W. X 15'-0 L. X 18'-0 H., with exhaust filters covering entire filter bank area, one (1) 10 hp exhaust fan.	Building 610, Plant 10
S006451	L	Basic	Paint Spray Booth	No. 3, floor type, 20'-0" W. X 15'-0" L. X 18'-0" H., with exhaust filters covering entire filter bank area, and one (1) 10 hp exhaust fan.	Building 610, Plant 10
S006448	M	Basic	Paint Spray Booth	Building 610 is bisected with a rectangular partition. The south side of this building is used for the continued painting of craft; the north side allows minor painting and is fitted with equipment to allow plastic shot abrasive blasting.	Building 610, Plant 10
S006476	N	Basic	Paint Spray Booth	Spray Systems, Model 16-16-246, 16'-0" W. X 25'-0" L. X 18'-0" H., with exhaust filters covering entire exhaust filter bank area, one (1) 25 hp exhaust fan and a Carrier 5 ton portable air conditioning unit used for climate control.	Building 641, Plant 10
S006480	O	Basic	Paint Spray Booth	Spray King, floor type, Model 300 PC, Serial No.:89262, 12'-0" W. X 25'-0" L. X 20'-0" H., with exhaust filters covering entire filter bank area, and one (1) 5 hp exhaust fan.	Building 636A, Plant 10
S006493	P	Basic	Paint Spray Booth	Binks, 20' W. x 46' L. x 20' H., with exhaust filters covering entire filter bank area and one (1) 7 1/2 hp exhaust fan.	Building 627, Plant 10
S007053	Q	Basic	Paint Spray Booth	DeVilbiss, bench filter type,4'-0"W. x 4'-5"L. x 4'-0" H., with and exhaust filters covering entire exhaust filter bank area and one (1) 1/3 hp exhaust fan.	Building 601, Plant 10
S007589	R	Basic	Paint Spray Booth	JBI, Model IBDB-5, Serial No. 27668, 5'5"W. x 11'-7"L. x 7'2"H., with exhaust filters covering the filter bank area and one (1) 1/3 hp exhaust fan.	Building 601, Plant 10

S008119	S	Basic	Paint Spray Booth	Cross-flow, 16' W by 25' L by 17' H, equipped with exhaust filters covering entire filter bank area.	Building 637A Plant 10
S008120	S	Basic	Paint Spray Booth	Cross-flow, 16' W by 25' L by 17' H, equipped with exhaust filters covering entire filter bank area.	Building 637A, Plant 10
S008121	S	Basic	Paint Spray Booth	Cross-flow, 16' W by 25' L by 17' H, equipped with exhaust filters covering entire filter bank area.	Building 646, Plant 10
S008564	T	Basic	Paint Spray Booth	Bleeker Brothers, Model BF-6-7, 7'4" W. x 6'-0" L. X 7' H., with exhaust filters and activated carbon filters covering entire exhaust filter bank area, one (1) 7.5 hp fan, a magnehelic pressure gauge and a VOC carbon breakthrough indicator light.	Building 601, Plant 10
S014587	U	Basic	Paint Spray Booth	MDI Spray Systems, 13'W x 10'L x 11'H OD, 12'8"W x 7'L x 9'H ID with one (1) 15 H.P. 230/460 v 3phase O.D.P Industrial duty motor and one (1) 24" Diameter 11,700 CFM Vane Axial exhaust fan.	Building 651, Plant 10
S009629	V	Basic	Paint Spray Booth	Global Finishing Solutions (GFS), Model FP10810S, Serial No. 67985, 10' W. X 10'L. X 8'H., with exhaust filters and activated carbon filters, covering entire filter bank area; one (1) 15 hp exhaust fan, a magnehelic pressure gauge and a VOC carbon breakthrough indicator light.	Building 609, Plant 10
S010188	W	Basic	Paint Spray Booth	Bleeker Brothers, Model SBF-24-16-30, 26'8"W. X 35'4"L. X 17'2"H., with exhaust filters and activated carbon filters covering entire filter bank area, two (2) exhaust fans rated at 25 hp each, a magnehelic pressure gauge, and a VOC carbon breakthrough indicator light.	Building 602, Plant 10
S013999	AK	Basic	Paint Spray Booth	AFC Finishing Systems, Model ECFTRA3220, Working Dimensions: 16' W x 12' H x 32' deep, Outside Dimensions: 16'6" W x 12'6" H x 35'6" deep. 42", 6-blade AFC exhaust fan providing a minimum of 24,000 CFM @ ½" s.p. One 5 HP 3 phase motor drives the exhaust fan.	Building 637A, Plant 10
T006484	AO	Tank (or Silo)	Storage Tank	Used cimstar/qualstar working coolant, above-ground, 72 " dia. X 92" H., 1,500 gallon capacity.	Building 637, Plant 10
T010185	AP	Basic	Still, Paint Thinner Recycler	Safety Kleen, model # 709.4, 60" H x 60" L x 30" W, 18 US Gal/ per cycle, 5 cfm @ 85 psi air supply	Building 629, Plant 10

T010403	AQ	Tank (or Silo)	Storage Tank	Coolant, Above-ground, 3000 gal	Building 637, Plant 10
T010404		Tank (or Silo)	Storage Tank	Wastewater, Above-ground, 1500 gallons	Building 637, Plant 10
T010186		Basic	Storage Tank	Clean coolant, Above-ground, 72" diameter x 92" H, 1500 gallon capacity,	Building 637, Plant 10

Permit No.	Title V Part III Condition	Permit Description	Equipment Description	BHP Rating	Manufacturer	Model	Location
E006124	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1971: Tier 0	105	HERCULES	GD3400	Building 610, Plant 10
E006370	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1971: Tier 0	166	JOHN DEERE	6059T	Building 253, Site 2
E006371	E	Diesel IC Engine, Emergency Generator	Year of Manufacture: 1996: Tier 0	277	CUMMINS	6CTA8.3-G	Building 210, Site 2
E006420	E	Diesel IC Engine, Fire Pump	Year of Manufacture 1969: Tier 0; Fire Pump #152	345	CUMMINGS	NT380-1F	Building 615, Plant 10
E006427	E	Diesel IC Engine, Emergency Generator	Year of Manufacture: 1993: Tier 0	375	CATERPILLAR	3306B-D 1	Building 611, Plant 10
E006453	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1969: Tier 0	535	LAWLESS DETROIT DIESEL	DASE 418400	Building 601, Plant 10
E006454	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1996: Tier 0	535	LAWLESS DETROIT DIESEL	DASE 418400	Building 601, Plant 10
E006470	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1996: Tier 0	227	Detroit Diesel	7083-7305-225C	Building 602, Plant 10
E006496	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1971: Tier 0	66	JOHN DEERE	4239D	Building 612, Plant 10
E006498	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1991: Tier 0	587	CATERPILLAR	3406BTA	Building 603, Plant 10

E006499	E	Diesel IC Engine, Fire Pump	Year of Manufacture 1969: Tier 0; Fire Pump #151	345	CUMMINGS	NT-380-1F	Building 615, Plant 10
E006510	E	Diesel IC Engine, Fire Pump	Year of Manufacture 1969: Tier 0; Fire Pump #154	345	CUMMINGS	NT-380-1F	Building 615, Plant 10
E006511	E	Diesel IC Engine, Fire Pump	Year of Manufacture: 1969; Tier 0; Fire Pump #153	345	CUMMINGS	NT-380-1F	Building 615, Plant 10
E006811	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1969: Tier 0	61	Detroit Diesel	2150	Building 604, Plant 10
E007092	E	Diesel IC Engine, Emergency Generator	Year of Manufacture 1998: Tier 0	135	Cummins	6BT5.9-G2	Building 214, Site 2
E010468	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2009; USEPA Tier 2, SCAQMD certified emergency engine	1495	MTU Detroit Diesel	R163-8A36	Building 611, Plant 10
E011076	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2010: Tier 3: USEPA Family Name AVEXL06.7DGB,	198	Iveco S.P.A.	F4GE9685A*J	Building 608 Area, Plant 10
E011311	F	Diesel IC Engine, Emergency Generator	Year of Manufacture. 2009: Tier 3, USEPA Family Name 8CPXL08.8ESK	369	Caterpillar	C-9	Site 2
E011312	F	Diesel IC Engine, Emergency Generator	Year of Manufacture. 2009: Tier 3, USEPA Family Name 8CPXL08.8ESK	369	Caterpillar	C-9	Site 2
E011477	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2012: Tier 3; USEPA Family Name CCPXL08.8NZS	398	Caterpillar	C-9 DITA	Site 7 (LM operated), Building 780
E012036	F	Diesel IC Engine, Fire Pump	Year of Manufacture 2013: Tier 3; USEPA Family Name: DCEXL0540AAB. Fire Pump #163.	305	Cummins	QSL9	Building 616, Plant 10
E012182	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2009; USEPA Tier 2, SCAQMD certified emergency engine	1495	MTU Detroit Diesel	R163-8A36	Building 611, Plant 10

E012262	F	Diesel IC Engine, Fire Pump	Year of Manufacture 2013: Tier 3; USEPA Family Name: DCEXL0540AAB. Fire Pump #162.	305	Cummins	QSL9	Building 616, Plant 10
E012263	F	Diesel IC Engine, Fire Pump	Year of Manufacture 2013: Tier 3; USEPA Family Name: DCEXL0540AAB. Fire Pump #161.	305	Cummins	QSL9	Building 616, Plant 10
E012264	F	Diesel IC Engine, Fire Pump	Year of Manufacture 2013: Tier 3; USEPA Family Name: DCEXL0540AAB; Fire Pump #164.	305	Cummins	QSL9	Building 616, Plant 10
E012381	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2015; Tier 3; USEPA Family Name: FFPXL06.7DGB	132	FPT Industrial S.p.A.	F 4G E9485A * J	Building 601, Plant 10
E012993	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2017; Tier 2; USEPA Family Name: HCPXL27.0NZS	1214	Caterpillar	C27	B780, Site 7
E013053	F	Diesel IC Engine, Emergency Generator	Year of Manufacture 2018; Tier 2; USEPA Family Name: JMVXL37.1BBA	1528	Mitsubishi	S12H-Y2PTAW-1	B611, Plant 10
E013484	G	Diesel IC Engine, Fire Pump	Year of Mfg. 2015/2016, USEPA Engine Family TBD_CEXL0540AAB	305	Cummins	QSL9	B 615, Plant 10

PART II
FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE 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]
    [AVAQMD Rule 401 - *Visible Emissions*]

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

[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 Nonvehicular 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. Owner/Operator will submit of a Fugitive Dust Control Plan (DCP) for Earth-Moving Activities with a disturbed surface area of five or more acres, unless the activity is 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 AVAQMD 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.

    e. A VE Evaluation will be performed if emissions are observed or upon public complaint.

    [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 AVAQMD 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.

c. A VE Evaluation will be performed if emissions are observed or upon public complaint.

[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 (SO2) 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 AVAQMD Regulation XI rules and equipment which complies with the gaseous fuel sulfur content limits of AVAQMD Rule 431.1.

    SCAQMD Method 100.1 or 10.1, 307-91 are used to directly measure CO and SO2; 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 California 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 California Health and Safety Code or AVAQMD Rule 402.
    [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 (CO2) 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.
b. A VE Evaluation will be performed if emissions are observed or upon public complaint.
[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 AVAQMD 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.

    [AVAQMD Rule 442 - *Usage of Solvents*]
    [AVAQMD Rule 204 - *Permit Conditions*]
    [AVAQMD Rule 109 - *Recordkeeping For Volatile Organic Compound Emissions*]

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

26. Aerospace Assembly and Component Manufacturing Operations at this facility shall comply with the requirements of Rule 1124, including the VOC limits specified in AVAQMD Rule 1124 and referenced in Appendix A.
[AVAQMD Rule 1124 - Aerospace Assembly and Component Manufacturing Operations]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

27. Coating Of Metal Parts and Products at this facility shall comply with the requirements of Rule 1107, including the VOC limits specified in AVAQMD Rule 1107 and referenced in Appendix A.
[AVAQMD Rule 1107 - Coating Of Metal Parts and Products]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions;]

28. Owner/Operator's use of Wood Products Coatings at this facility shall comply with the requirements of AVAQMD Rule 1136, including the VOC limits specified in Rule 1136 and referenced in Appendix A.
[AVAQMD Rule 1136 - Wood Products Coatings]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

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

and referenced in Appendix A.
[AVAQMD Rule 1145 – Plastic, Rubber and Glass Coatings]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

30. Adhesive Applications at this facility shall comply with the requirements of Rule 1168, including the VOC limits specified in AVAQMD Rule 1168 and referenced in Appendix A.
[AVAQMD Rule 1168 – Adhesive Applications]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

31. Owner/Operator of this facility shall comply with the Solvent Cleaning Operations requirements of AVAQMD Rule 1171 as referenced in Appendix A.
[AVAQMD Rule 1171- Solvent Cleaning]
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

32. 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.
[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]

33. VOC emissions from this facility excluding operations controlled by the Ultraviolet Oxidation System (UVOX - C006118) or the Carbon Adsorption System (CAS - C014585) and Thermal Oxidation System (TOS - C010991) control devices, shall not exceed 18,750 pounds in any 30-day period on a 30-day rolling average.
[AVAQMD Regulation XIII- New Source Review]

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 AVAQMD Rule 1162 and referenced in Appendix A.
[AVAQMD Rule 1162 – Polyester Resin Operations]

35. PM10 emissions from this facility shall be less than 15 tons per twelve months, calculated on a rolling twelve-month basis. The owner/operator shall use the Lockheed Martin PTE January 2015 document prepared by Verdant Environmental as the basis for the PM10 emission calculations. Deviations from the PTE calculation methodology can only be made with prior case-by case approval by the AVAQMD.
[AVAQMD Rule 204 – *Permit Conditions*; AVAQMD Rule 1301(FFF) – *Definitions*]

36. Total emissions of Hazardous Air Pollutants (HAP) at this facility shall be less than 10 tons per twelve months for any single HAP and less than 25 tons per twelve months for any combination of HAPs, calculated on a rolling twelve-month basis.
[AVAQMD Rule 109- Recordkeeping For Volatile Organic Compound Emissions]

37. Facility shall comply with the applicable requirements of AVAQMD Regulation XIII, New Source Review.
[AVAQMD Regulation XIII- New Source Review]

38. Excluding operations at AF Plant 42, comply with the following provisions of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subpart A, General Provisions, and Subpart HHHHHH, Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. The regulation specifically applies to the spray application of coatings that contain target HAP, defined in 40 CFR 63.11180 as compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd)., to a plastic and/or metal substrate on a part or product, including aircraft.

    a. All painters must be certified that they have completed training in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment. The spray application of surface coatings is prohibited by persons who are not certified as having completed the training. [40 CFR 63.11173(e)(1)]

    b. All spray-applied coatings must be applied in a spray booth, preparation station, or mobile enclosure fitted with a type of filter technology that is demonstrated to achieve at least 98-percent capture of paint overspray. [40 CFR 63.11173(e)(2)]

    c. All spray-applied coatings must be applied with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology for which written approval has been obtained from the Administrator. [40 CFR 63.11173(e)(3)]

    d. All paint spray gun cleaning must be done so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of a container that collects used gun cleaning solvent. [40 CFR 63.11173(e)(4)]

    e. For the purposes of this subpart, spray-applied coatings do not include coatings applied from a hand-held device with a paint cup capacity that is equal to or less than 3.0 fluid ounces (89 cubic centimeters). [40 CFR 63.11180]

    [40 CFR 63 Subpart HHHHHH, *Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources*]

39. 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*; as adopted 1/18/2011, submitted 2/22/2011]

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 AVAQMD Rule 109. MSDS 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.
[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.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
[AVAQMD 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. Excluding operations at AF Plant 42, comply with the following provisions of 40 CFR 63, National Emission Standards for Hazardous Air Pollutants, Subpart A, General Provisions, and Subpart HHHHHH, Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources. The regulation specifically applies to the spray application of coatings that contain target HAP, defined in 40 CFR 63.11180 as compounds of chromium (Cr), lead (Pb), manganese (Mn), nickel (Ni), or cadmium (Cd)., to a plastic and/or metal substrate on a part or product, including aircraft.

   a. Annual Notification of Changes Report. Submit by March 1 a report in each calendar year in which information previously submitted in either the initial notification, Notification of Compliance or a previous annual notification of changes report submitted under this paragraph, has changed or in which a deviation has occurred. [40 CFR 63.11176]

   b. Keep records of all deviations including the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation. [40 CFR 63.11177]

   [40 CFR 63 Subpart HHHHHH, *Paint Stripping and Miscellaneous Surface Coating*

Operations at Area Sources]

4. 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); AVAQMD Rule 3003(D)(1)(d)(ii)]

5. Any reports generated from monitoring required by any portion of this permit shall be submitted by the facility Owner/Operator to the AVAQMD at least every six (6) months unless another time period is specified in the specific provision requiring monitoring.
   [40 CFR 70.6(a)(3)(iii)(A); AVAQMD Rule 3003(D)(1)(e)(i)]

6. 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)

7. 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.

   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 AVAQMD 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.
   [AVAQMD Rule 3003(D)(1)(e)(i)]

[AVAQMD Rule 3003(D)(1)(e)(ii)]

8. 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); AVAQMD Rule 3003(D)(1)(g)(vi)]
   [AVAQMD Rule 3003 (F)(1)]

9. 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)(iii) 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
   a. 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.
   [AVAQMD Rule 3001 (I)(3)(iii); AVAQMD Rule 3003 (D)(1)(e)(ii); AVAQMD Rule 3003 (D)(1)(g)(v)]
   [AVAQMD Rule 430 - *Breakdown Provisions*]

10. Owner/Operator shall submit, on a *semi-annual* basis a *Monitoring Report* to the APCO/District pursuant to AVAQMD Rule 3003. Each *Monitoring Report* shall cover the periods from July 2 to December 31 and from January 1 to July 1, and be postmarked no

later than 30 days after the end of the reporting period. 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.

[AVAQMD Rule 3003 (D)(1)(e)(i); AVAQMD Rule 3003 (D)(1)(c)(i - iii)]

11. Owner/operator shall submit a Compliance Certification Report to the APCO/District on an annual basis pursuant to AVAQMD Rule 3003. The Compliance Certification Report shall cover the 12 month period from July 2 to July 1, and be postmarked no later than 30 days after the end of the reporting period no later than 30 days after the. 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.
[AVAQMD Rule 3003 (D)(1)(g)(vii - x)]

12. 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 there under.
[AVAQMD 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 Subpart M *National Emission Standards for Asbestos*.
[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 40 CFR 61 Subpart M *National Emission Standard for Asbestos* Section 61.145(b).
[40 CFR 61.145(b)]

PART III EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS

A. CONDITIONS APPLICABLE TO ABRASIVE BLASTING ROOM AVAQMD PERMIT #A006367 AND BAGHOUSE, AVAQMD PERMIT #C006383; ABRASIVE BLASTING ROOM AVAQMD PERMIT #A006421 AND BAGHOUSE, AVAQMD PERMIT #C012228; ABRASIVE BLASTING ROOM AVAQMD PERMIT #A006500 AND BAGHOUSE, AVAQMD PERMIT #C012227:

1. When blasting operations are being performed, equipment shall vent to a fully operational control device. [AVAQMD Rule 1140(b)(1)]
2. Dust collected in the cyclone/baghouse shall be discharged into a closed container. [AVAQMD Rule 1140(b)(1)]
3. The use of sand as an abrasive blasting media in this equipment is prohibited. [AVAQMD Rule 204]
4. A mechanical gauge shall be installed and maintained so as to indicate, in inches water column, the static pressure differential across the bags. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 - CAM for Permit No. A006367 and A006500]
5. Owner/operator shall record the exhaust pressure differential on a daily basis while the equipment is in operation. The exhaust filter shall be replaced as necessary according to the manufacturer's specifications. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 - CAM for Permit No. A006367 and A006500]
6. A log shall be maintained containing:
    a. Daily pressure differential recordings [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 - CAM for Permit No. A006367 and A006500]

B. CONDITIONS APPLICABLE TO ABRASIVE BLASTING HANGAR (N SIDE OF B/610); AVAQMD PERMIT #A007054 AND BAGHOUSE, AVAQMD PERMIT #C007055:

1. When blasting operations are being performed, equipment shall vent to a fully operational control device. [AVAQMD Rule 1140(b)(1)]
2. This abrasive blast booth shall be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc. so as to prevent the escape of particulate matter to the ambient air while in use. [AVAQMD Rule 1140(b)(1)]
3. Only the north end of this building may be used for abrasive blasting. Spray painting (S006448) may also be conducted on the north end. [AVAQMD Rule 204]
4. The use of sand as an abrasive blasting media in this equipment is prohibited. [AVAQMD Rule 204]
5. A mechanical gauge shall be installed and maintained so as to indicate, in inches water

column, the static pressure differential across the bags. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements; CFR Part 64 -CAM]

6. Owner/operator shall record the exhaust pressure differential on a daily basis while the equipment is in operation. The exhaust filter shall be replaced as necessary according to the manufacturer's specifications. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 -CAM]
7. A log shall be maintained containing:
    a. Monthly pressure differential recordings [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring; 40 CFR Part 64 - CAM]

C. CONDITIONS APPLICABLE TO ABRASIVE BLASTING CABINET; AVAQMD PERMIT #A006389 AND BAGHOUSE, AVAQMD PERMIT #C006388; ABRASIVE BLASTING CABINET AVAQMD PERMIT #A006408 AND BAGHOUSE, AVAQMD PERMIT #C006400; ABRASIVE BLASTING CABINET AVAQMD PERMIT #A006416 AND BAGHOUSE, AVAQMD PERMIT #C006422; ABRASIVE BLASTING CABINET AVAQMD PERMIT #A007056 AND BAGHOUSE, AVAQMD PERMIT #C007651:

1. When blasting operations are being performed, equipment shall vent to a fully operational control device. [AVAQMD Rule 1140(b)(1)]
2. Dust collected in the cyclone/baghouse shall be discharged into a closed container. [AVAQMD Rule 1140(b)(1)]
3. The use of sand as an abrasive blasting media in this equipment is prohibited. [AVAQMD Rule 204]
4. Owner/operator shall perform an annual Method 22 visible emissions inspection of the equipment [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
5. A log shall be maintained containing:
    a. Annual visible emissions inspection records. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

D. CONDITIONS APPLICABLE TO SHREDDER; AVAQMD PERMIT #B006432 AND BAGHOUSE, AVAQMD PERMIT #C006429:

1. The AVAQMD Permit No. B0064323 shredder shall not be operated unless it is vented to the AVAQMD Permit No. C006429 dust collector. [AVAQMD Rule 401(b)(1)]
2. Dust collected in the cyclone/baghouse shall be discharged only into closed containers. [AVAQMD Rule 401(b)(1)]
3. A mechanical gauge shall be installed and maintained so as to indicate, in inches water column, the static pressure differential across the bags. [40 CFR 70.6 (a)(3)(B) -

Periodic Monitoring Requirements]

4. In operation, the pressure differential shall not exceed the manufacturer's recommended level. Owner/operator shall record the air filter pressure differential on an annual basis unless the equipment did not operate during the entire annual period. [40 CFR 70.6(a)(3)(B) – Periodic Monitoring]
5. A log shall be maintained containing:
    a. Annual pressure differential recordings

E. CONDITIONS APPLICABLE TO FOUR (4) EMERGENCY FIRE PUMP INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT #E006420, E006499, E006510, #E006511, # AND ELEVEN (11) EMERGENCY INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT #E006124; #E006370; #E006371, #E006427, #E006453, #E006454, #E006470, #E006496, #E006498, #E006811, #E007092:

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

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

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

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

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

    a. Change oil and filter every 500 hours of operation or annually, whichever comes first;1

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

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

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

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

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

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

8. Records of the following shall be maintained:

   a. Date and duration (in hours) of each use [AVAQMD Rule 1110.2 and 40CFR63.6655(f)]

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

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

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

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

   f. Occurrence and duration of each malfunction of the equipment

[40CFR63.6655(a)(2)]

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

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

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

District/State-only enforceable sections

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

10. 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)]

F. CONDITIONS APPLICABLE TO FOUR (4) EMERGENCY FIRE PUMP INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT # E012036, #E012262, #E012263 and #E012264 AND NINE (9) EMERGENCY INTERNAL COMBUSTION ENGINES, AVAQMD PERMIT #E010468 # E11076; # E011311; # E011312, # E011477, # E012182, # E012381, E012993 AND E013053:

1. This certified, stationary, compression-ignited, internal combustion engine and control devices shall be installed, operated and maintained according to the manufacturer's emission-related written instructions and change only those emission-related settings that are permitted by the manufacturer [40CFR60.4211(a) and 17CCR93116.5(a)(3) and (4)]

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(a)(2-6). [17CCR93115.5(a)]

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 40CFR 63.6625(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 fifty (50) hours per year for maintenance and testing. Time required for source testing will not be counted toward the 50 hour per year limit. [17CCR93115.6(a)(3)]

5. Records of the following shall be maintained:
   a) Date and duration (in hours) of each use [AVAQMD Rule 1110.2 and 40 CFRF60.4214(b)]
   b) Reason for use (testing and maintenance, emergency, compliance testing) [AVAQMD Rule 1110.2 and 40CFR60.4214(b)]
   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(a)]

   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

6. 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(a)(2)]

7. 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)]

G. CONDITIONS APPLICABLE TO ONE (1) DIESEL IC ENGINE, FIRE PUMP, AVAQMD PERMIT # E013484

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [40 CFR 60.4211; District Rule 204

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.

[17 CCR 93115.10(d)]

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 15 ppm on a weight basis per CARB Diesel or equivalent requirements.
   [Rule 404; Rule 431.2; 17 CCR 93115; NSPS IIII]

4. This unit shall be limited to emergency use only, 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 26 hours per year for testing and maintenance, unless NFPA-25 (current edition) authorizes additional time: If the 26 hour limit is exceeded due to NFPA requirements, the owner/operator is to have the authorizing section of NFPA 25 available for review at all times. Time required for source testing will not be counted toward the 26 hour per year limit.
   [17 CCR 93115.6(b), District Rule 1303]

5. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the following information:
   a. Date of each use and duration of each use (in hours);
   b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);
   c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and/or total hours;
   d. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
   e. Maintenance performed on this equipment.
   [17 CCR 93115.10(f); 40 CFR 70.6(a)(3)(ii)(b), 40 CFR 60.4214, 17 CCR 93115.10(f), District Rule 204]

6. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, and 40 CFR 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.
   [District Rule 204]

H. CONDITIONS APPLICABLE TO TWO (2) BOILERS, AVAQMD PERMIT # B006488, # B006491:

1. Boiler shall be fired on pipeline quality natural gas only. [AVAQMD Rule 431.1(c)(1)]
2. Fuel shall be monitored by a non-resettable totalizing fuel meter. [AVAQMD Rule 1146(c)(5)]
3. Except during startups, the flue gas recirculation and oxygen trim systems shall be in full use whenever the boiler is in operation. [AVAQMD Rule 204]

4. Equipment shall emit not more than 30 ppm of NOx, calculated as NO2, and 400 ppm of CO, all measured by volume on a dry basis at 3% O2. [AVAQMD Rule 1146(c)(1)]

5. The burner and its associated air-fuel-flue gas recirculation system shall be tuned at least twice per year (at intervals from 4 to 8 months apart) according to the manufacturer's specification or Attachment 1 to Rule 1146. The adjustments shall include, but not be limited to, measurements of CO, NO2, and O2 concentrations using a portable cell type or equivalent instrument. [AVAQMD Rule 1146(c)(2)]

6. Perform compliance tests in accordance with the AVAQMD Compliance Test Procedural Manual, at least once every five years commencing in 2003. The test report must be submitted to the District no later than six weeks prior to October 1 of the calendar year in which the report is due. Operator must test NOx, as NO2, in ppmvd at 3% O2, using USEPA reference methods 19 and 20 or equivalent and CO, in ppmvd at 3% O2 using USEPA reference method 10 or equivalent. [AVAQMD Rule 1146(d)]

7. Upon exceeding a cumulative annual heat input of 200 billion Btu, the boiler shall be monitored at least once per day of operation with a P-GEM 3000 SEM or equivalent. Monitoring shall continue for the next full year of operation and for each year of operation thereafter until the boiler has not exceeded a cumulative annual heat input of 200 billion BTU for a consecutive 12-month period. The portable analyzer shall be operated and maintained in strict accord with USEPA Conditional Test Method CTM-030, Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Emissions from Natural Gas-Fired Engines, Boilers and Process Heaters Using Portable Analyzers or ASTM D6522-00(2005) Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers or any other test method determined to be alternative and approved before the test in writing by the Executive Officers of the District and the California Air Resources Board and the Regional Administrator of the United States Environmental Protection Agency, Region IX. The portable analyzer shall be operated in compliance with the Protocol for the Periodic Monitoring of Nitrogen Oxides, Carbon Monoxide, and Oxygen from Units Subject to South Coast Air Quality Management AVAQMD Rules 1146 and 1146.1. [AVAQMD Rule 1146(c)(4)]

8. Maintain an operations log for these units current and on-site. This log shall be provided to District, State and Federal personnel upon request and shall include, at a minimum, the information specified below:

    a. Cumulative annual fuel use and fuel type;

    b. Boiler tuneup reports and records;

    c. Results of each compliance test;

    d. P-GEM readings and associated P-GEM QA data when required. [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

I. CONDITIONS APPLICABLE TO BOILER, AVAQMD PERMIT # B006436 AND AIR

POLLUTION CONTROL SYTEM C006459:

1. Boiler shall be fired on pipeline quality natural gas only. [AVAQMD Rule 431.1(c)(1)]
2. Fuel flow shall be continuously monitored and recorded. [AVAQMD Rule 1146(c)(5)]
3. Except during startups, the flue gas recirculation and oxygen trim systems shall be in full use whenever the boiler is in operation. Boiler shall not be operated unless it is vented to the air pollution control device, AVAQMD Permit No. C006459. [AVAQMD Rule 204 and AVAQMD Rule 1303(A)]
4. Ammonia injection shall commence into the SCR reactor whenever the inlet exhaust temperature prior to the SCR reactor is 425 degrees F or greater. Temperature at the inlet to the SCR shall be continuously monitored and recorded. [AVAQMD Rule 204 and AVAQMD Rule 1303(A)]
5. Equipment shall emit not more than 9 ppm of NOx, calculated as NO2, measured by volume on a dry basis at 3% O2 and averaged over 15 minutes, Equipment shall emit not more than 200 ppm of CO, measured by volume on a dry basis at 3% O2 and averaged over 15 minutes. [AVAQMD Rule 1303(A)]
6. During start up equipment shall emit not more than 40ppm of NOx, calculated as NO2 and measured by volume on a dry basis at 3% O2 and averaged over 15 minutes. Within one hour after the SCR reactor inlet temperature reaches 425 degrees F, NOx emissions shall be not more than 9ppm, calculated as NO2 and measured by volume on a dry basis at 3% O2 and averaged over 15 minutes. [AVAQMD Rule 1303(A)]
7. Operate and maintain a continuous in-stack nitrogen oxides monitor or equivalent verification system in compliance with 40 CFR part 60 Appendix B Specification 2. Quality Assurance procedures shall be performed pursuant to 40 CFR 60 Appendix F. [AVAQMD Rule 1146(c)(4)]
8. Perform compliance tests in accordance with the AVAQMD Compliance Test Procedural Manual, at least once every five years commencing in 2003. The test report must be submitted to the District no later than six weeks prior to October 1 of the calendar year in which the report is due. Operator must test NOx, as NO2, in ppmvd at 3% O2, using USEPA reference methods 19 and 20 or equivalent and CO, in ppmvd at 3% O2 using USEPA reference method 10 or equivalent. [AVAQMD Rule 1146(d)]
9. Record and maintain records of the amount of each fuel combusted during each operating day. As an alternative the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO2 standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. PM and SO2 standards do not apply as the unit combusts exclusively natural gas. [40 CFR 60.42c, 60.43c and 60.48c (g)(1) or (2)]
10. Maintain an operations log for these units current and on-site. This log shall be provided to District, State and Federal personnel upon request and shall include, at a minimum, the

information specified below:

a. Cumulative annual fuel use and fuel type;

b. Fuel sulfur content (owner/operator may use supplier certification),

c. All required CEM data;

d. The results of each 40 CFR 60 Appendix F QA test,

e. The results of each compliance test. [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

J. CONDITIONS APPLICABLE TO BOILER 4, AVAQMD PERMIT # B013914 AND AIR POLLUTION CONTROL SYTEM C013915

1. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
   [AVAQMD Rule 204]

2. This equipment shall be fired on natural gas only. Fuel flow shall be continuously monitored and recorded suing a non-resettable totalizing fuel meter.
   [AVAQMD Rule 431.1]

3. The flue gas recirculation system must be in use whenever the boiler is in operation. The burner shall be equipped with a control system to automatically regulate the combustion air, fuel and recirculated flue gas as the boiler load varies.
   [AVAQMD Rules 204 and 1303(A)]

4. This equipment shall not be operated unless it is vented to a selective catalytic reduction (SCR) system under AVAQMD Permit No. C013915.
   [AVAQMD Rule 1303]

5. Ammonia injection shall commence when the SCR bed inlet temperature reaches 375 degrees Fahrenheit. Temperature of the SCR shall be continuously monitored and recorded.
   [AVAQMD Rule 1303]

6. Equipment shall not emit more than 5 ppm of NOx, calculated as NO2, measured by volume on a dry basis at 3% O2 and averaged over 15 minutes, except during startup (for no more than one hour after SCR bed inlet temperature reaches 375 degrees Fahrenheit) when NOx is limited to 30 ppm. Equipment shall not emit more than 50 ppm of CO, measured by volume on a dry basis at 3% O2 and averaged over 15 minutes.
   [AVAQMD Rules 1303 and 1146]

7. Equipment shall not emit more than 5 ppmvd NH3, referenced at 3 percent volume stack gas oxygen on a dry basis averaged over a period of 60 consecutive minutes. O/o must conduct a source test quarterly for the first year of operation to demonstrate compliance with the ammonia emission limit, according to the procedures in South Coast AQMD Source Test Method 207.1 for Determination of Ammonia Emissions from Stationary Sources.
   [AVAQMD Rules 1303 and 1146]

8. O/o shall perform an initial compliance test within 90 days of initial startup, and at least once every 36 months, thereafter, to demonstrate compliance with the concentration limits of condition 6. Compliance testing for the concentration limit of condition 7 must be conducted at least once every quarter, for the first year of operation, as specified in condition 7. All emission determinations shall be made in the as-found operating condition. The o/o shall conduct all required compliance/certification tests in accordance with the AVAQMD Compliance Test Procedural Manual. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification test shall be submitted to the District within forty-five (45) days after testing:
   a. NOx as NO2 in ppmvd (measured per USEPA Reference Methods 19 and 20); and
   b. CO in ppmvd (measured per USEPA Reference Method 10).
   [AVAQMD Rules 1146 and 1303]

9. O/o shall operate and maintain a District approved continuous predictive or parametric monitoring system (PEMS) for NOx, CO, and NH3. The PEMS system shall continuously monitor the key parameters which affect emissions and use these parameters to verify compliance.
   [AVAQMD Rule 1146]

10. Owner/operator shall establish a relationship, using District approved source test result, between NOx control, ammonia injection rates, and ammonia slip. This information shall be used to ensure that the ammonia slip limit of 5 ppmvd is adhered to.
    [AVAQMD Rule 1303]

11. O/o shall maintain an operations log for these units current and on-site. This log shall be provided to District, State and Federal personnel upon request and shall include, at a minimum, the information specified below:
    a. Cumulative annual fuel use and fuel type; and
    b. Fuel sulfur content (owner/operator may use supplier certification); and
    c. All required PEMS data (including catalyst inlet temperature); and
    d. The results of each compliance test; and
    f. Number and duration of each startup and shutdown; and
    g. Quarterly emission summary.
    [AVAQMD Rule 1146 and 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring]

12. Emissions of NOx from this equipment shall not exceed 2,510 pounds per year verified by retention of quarterly emission summaries, based on most recent compliance test results, hours of operation, and operating mode.
[AVAQMD Rules 204; 1303(B)]

13. PM10 emissions from this facility shall be less than 15 tons per year, calculated on a rolling twelve-month basis. The owner/operator shall use the Lockheed Martin PTE January 2015 document prepared by Verdant Environmental as the basis for the PM10 emission calculations. Deviations from the PTE calculation methodology can only be made with prior case-by case approval by the AVAQMD.
[AVAQMD Rules 204 and 1301(FFF) - Definitions]

K. CONDITIONS APPLICABLE TO BOILER, AVAQMD PERMIT B012658 and B012851, B013213 and B013214:

1. 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 of during curtailment of natural gas supply only. [AVAQMD Rule 431.1(c)(1)]
2. Fuel consumption by this equipment (B012658 and B012851) shall not exceed 119 million standard cubic feet (122,300 million Btu heat input) per calendar year.
3. Fuel consumption by this equipment (B013213 and B013214) shall not exceed 141 million standard cubic feet (146,640 million Btu heat input) per calendar year.
4. Owner/operator shall keep calendar year records of fuel consumption. These records, either paper or computerized, shall be kept on-site and available for review upon request by District, State or Federal personnel.
5. Records, either paper or computerized, of all compliance test, adjustments, tune-ups, and calibrations as required below shall be kept on-site and available for review upon request by District, State or Federal personnel.
6. 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 [District Rule 1303- BACT; District Rule 1146]
7. This equipment must be adjusted and tuned at least twice (two times) per year, according to manufacturer's instruction, unless the boiler was not operated for at least a six month period, in which case only one (1) tune-up is required. [District Rule 1146]

L. CONDITIONS APPLICABLE TO SIX (6) SPRAY BOOTHS, AVAQMD PERMIT , # S006439, # S006441, # S006442, # S006443, # S006451:

1. The total quantity of VOCs emitted from this equipment shall not exceed 430 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]

2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings.

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

M. CONDITIONS APPLICABLE TO SPRAY BOOTH (SOUTH SIDE OF B/610), AVAQMD PERMIT # S006448:

1. The total quantity of VOCs emitted from this equipment shall not exceed 430 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings.

    The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 109 and 40 CFR

70.6 (a)(3)(B) – Periodic Monitoring]

6. The south end of the building shall be used for applying coatings. Spray painting is also permitted on the north end of the building. Both the north and south sides of Building 610 must vent all exhaust air through USEPA Test Method 319 certified bag type exhaust filters

N. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S006476:

1. The total quantity of VOCs emitted from this equipment shall not exceed 140 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the baseline reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
   a. Rule 109 daily usage records;
   b. Quarterly inspection records;
   c. Pressure differential recordings

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

O. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S006480:

1. The total quantity of VOCs emitted from this equipment shall not exceed 1,050 pounds in any one calendar month. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall

be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]

5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings

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

District/State-only enforceable section

6. The total quantity of hexavalent chromium that can be used in this equipment is limited to 272.6 pounds per calendar year, uncontrolled, midnight to midnight. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

P. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S006493:

1. The total quantity of VOCs emitted from this equipment shall not exceed 24 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)(1)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings

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

District/State-only enforceable section

6. The total quantity of hexavalent chromium that can be used in this equipment is limited to 82 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

Q. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S007053:

1. The total quantity of VOC containing coating used in this equipment is limited to 2 gallons in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Equipment shall not be operated unless all exhaust air passes through filter media at least 2 inches thick. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate in inches of water the static pressure differential across the filters. In operation, the pressure differential shall not exceed 0.25 inches of water above the baseline reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives and solvents used in this equipment shall be kept current and made available to District, State or Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following.

   a. Rule 109 daily usage records;

   b. Quarterly inspection records;

   c. Pressure differential recordings.

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

R. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S007589:

1. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
2. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]

4. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings

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

District/State-only enforceable section

5. The total quantity of hexavalent chromium that can be used in this equipment is limited to 77.7 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

S. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S008119, # S008120, # S008121:

1. The total quantity of VOCs emitted from coating operations within this booth (including hand surface preparation operations and equipment cleanup) is limited to 757 pounds in any calendar month. [BACT Limiting Condition AVAQMD Rule 1303(A)(1)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. Owner/operator shall record the air filter pressure differential once per shift.
6. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings

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

District/State-only enforceable section

7. The total quantity of hexavalent chromium that can be used in this equipment is limited to 46.8 pounds per calendar year, uncontrolled. [AVAQMD Rule 1401(E)]

T. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S008564:

1. The total quantity of VOCs emitted from this equipment shall not exceed 25 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)(1)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Owner/operator shall record the air filter pressure differential once per shift [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
5. Condition of carbon filters as determined by VOC monitor and sensor system shall be observed once per shift. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
6. Carbon filters shall be changed whenever the filters have adsorbed 43 pounds of VOC since the last change out, as determined by recordkeeping, or whenever the VOC monitor senses breakthrough, whichever occurs first. [AVAQMD Rule 1303(A)(1) and 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
7. Owner/operator shall demonstrate compliance with the capture efficiency and either the destruction efficiency or exhaust VOC concentration requirements in accordance with USEPA "Guidelines for Determining Capture Efficiency" and USEPA Test Methods 25, 25A or SCAQMD Method 25.1 during any calendar year in which the compliance option provided by Rule 1107 (c) (7) and/or Rule 1124 (c) (5) is employed. Owner/operator shall perform and report these tests in accordance with the District Compliance Test Procedural Manual. [AVAQMD Rule 1124(c)(6), AVAQMD Rule 1107(c)(7) and AVAQMD Rule 204]
8. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
9. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings;
    d. Carbon filter change out dates

The log, 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 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

District/State-only enforceable section

10. The total quantity of hexavalent chromium that can be used in this equipment is limited to 82 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

U. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S014587:

1. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
2. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. Owner/operator shall record the air filter pressure differential once per shift.
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings

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

District/State-only enforceable section

6. The total quantity of hexavalent chromium that can be used in this equipment is limited to 82 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

V. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S009629:

1. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]

2. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. Owner/operator shall record the air filter pressure differential once per shift. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Condition of carbon filters as determined by VOC monitor and sensor system shall be measured or observed once per shift. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
5. Carbon filters shall be changed whenever the filter have adsorbed 84 pounds of VOC since the last change out, as determined by recordkeeping, or whenever the VOC monitor senses breakthrough, whichever occurs first. [AVAQMD Rule 1303(A)(1) and 40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
5. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
6. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings;
    d. Carbon filter change out dates

    The log, 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 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
7. During any calendar year in which the compliance option provided by AVAQMD Rule 1107(c)(7) and/or AVAQMD Rule 1124(C)(5) is employed, the o/o shall demonstrate compliance with the capture efficiency and either destruction efficiency or exhaust VOC concentration requirements in accordance with USEPA "Guidelines for Determining Capture Efficiency" and USEPA Test Methods 25, 25A or SCAQMD Method 25.1. The o/o shall perform and report these tests in accordance with the District Compliance Test Procedural Manual. The source test results or 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(c)(6), AVAQMD Rule 1107(c)(7) and AVAQMD Rule 204]

District/State-only enforceable section

8. The total quantity of hexavalent chromium that can be used in this equipment is limited to 272.6 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

W. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S010188:

1. The total quantity of VOCs emitted from this equipment shall not exceed 25 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)(1)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. Owner/operator shall record the air filter pressure differential once per shift. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
5. Condition of carbon filters as determined by VOC monitor and sensor system shall be measured or observed once per shift. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
6. Carbon filters shall be changed whenever the filter have adsorbed 1053 pounds of VOC since the last change out, as determined by recordkeeping, or whenever the VOC monitor senses breakthrough, whichever occurs first. [AVAQMD Rule 1303(A)(1) and [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
7. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
8. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings;
    d. Carbon filter change out dates

    The log, 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 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
9. During any calendar year in which the compliance option provided by Rule 1107(c)(7) and/or Rule 1124(C)(5) is employed, the o/o shall demonstrate compliance with the capture efficiency and either destruction efficiency or exhaust VOC concentration requirements in accordance with USEPA "Guidelines for Determining Capture Efficiency" and USEPA Test Methods 25, 25A or SCAQMD Method 25.1. The o/o shall perform and report these tests in accordance with the District Compliance Test Procedural Manual. Results shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 1124(c)(6), AVAQMD Rule 1107(c)(7) and AVAQMD Rule 204]

District/State-only enforceable section

10. The total quantity of hexavalent chromium that can be used in this equipment is limited to 82 pounds per calendar year, uncontrolled. [T BACT Limiting Condition AVAQMD Rule 1401(E)]

X. CONDITIONS APPLICABLE TO TWO ORGANIC COATING AND DRYING LINES, AVAQMD PERMIT # B008132, # B008133:

1. Equipment shall not be operated unless vented to air pollution control device, AVAQMD Permit No. C006118 or Permit No. C014585. [AVAQMD Rule 1303(A)]
2. Operator shall log all of the coating materials, their types, their VOC and HAP content as well all dates and hours of operation. The log, 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 and AVAQMD Rule 204]

Y. CONDITIONS APPLICABLE TO COATING AND CURING OVEN LINE, AVAQMD PERMIT # B009972:

1. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
2. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. This coating line and/or curing oven shall not be operated unless vented to a functioning regenerative thermal oxidizer (Permit No. C010991). [AVAQMD Rule 1303(A)]
4. A log shall be maintained containing the following:
    a. Rule 109 usage records;
    b. Quarterly inspection records;
    c. Pressure differential recordings.

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

Z. CONDITIONS APPLICABLE TO ONE (1) FLOW COATER, AVAQMD PERMIT # B006456:

1. Equipment shall not be operated unless vented to air pollution control device, AVAQMD Permit No. C006118 or Permit No. C014585. [AVAQMD Rule 1303(A)]

2. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]

AA. CONDITIONS APPLICABLE TO ONE (1) OPEN SPRAY EQUIPMENT, AVAQMD PERMIT # P006440:

1. The total quantity of VOCs emitted from this equipment shall not exceed 140 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Safety Data Sheets and Rule 109 daily 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 109]

AB. CONDITIONS APPLICABLE TO CURING OVEN, AVAQMD PERMIT # B010110:

1. Equipment shall be used to cure only plastics and composite resins. [AVAQMD Rule 204]
2. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]

AC. CONDITIONS APPLICABLE TO SILK SCREEN EQUIPMENT, AVAQMD PERMIT # B006423:

1. Equipment shall not be operated unless vented to air pollution control device, AVAQMD Permit No. C010991. [AVAQMD Rule 1303(A)]
2. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]

AD. CONDITIONS APPLICABLE TO CONCENTRATOR/REGENERATIVE THERMAL OXIDIZER SYSTEM AND ASSOCIATED SPRAY BOOTHS, AVAQMD PERMIT # C010991:

1. The total quantity of VOCs emitted from this equipment, shall not exceed 1,500 pounds in any one calendar month. Compliance with this condition shall be demonstrated through reaction chamber temperature and VOC usage records and using an overall control efficiency based on the most recent test results. [AVAQMD Rule 1303(A)]
2. Spray booths that vent to this control device shall not be operated unless all exhaust air first passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. For all spray booths that vent to this control device, a gauge shall be installed to indicate

the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]

4. A temperature monitoring device (thermocouple) shall be installed and maintained in the vapor space above the reaction chamber(s). The thermocouple will be replaced annually (or upon failure). [40 CFR Part 64- CAM]
5. At all times, except during periods of startup and shutdown, reaction chamber temperature must be maintained at minimum of 1400 degrees Fahrenheit. O/o shall also monitor temperature in 15 minute intervals. This condition does not apply in the event that the equipment is off-line due to a maintenance activity or planned or unplanned power outage. [40 CFR Part 64 – CAM]
6. This equipment shall operate with a control efficiency of not less than 97 percent or emissions of less than 10 ppmv (as methane). Compliance with this condition shall be demonstrated using the results of the Permanent Total Enclosure (PTE) evaluation, and the most recent destruction efficiency test. [AVAQMD Rule 1303(A)]
7. Emissions from this equipment shall not exceed the following hourly emission limits, verified by an initial compliance test:

   a. NOx as NO2: 0.12 lb/hr operating at 100% load.

   b. CO: 1.0 lb/hr operating at 100% load. [AVAQMD Rule 1303(A)]
8. The owner/operator (o/o) shall conduct an initial source test within 90 days of date of initial operation, and annually thereafter. After the o/o has demonstrated compliance for two consecutive tests, the o/o may reduce the frequency of subsequent compliance tests to once every three years. If the results of any subsequent three year compliance test indicate the equipment is not in compliance with the VOC control efficiency, the o/o must resume annual compliance tests. Compliance tests shall be conducted at the concentrator inlet and oxidizer outlet to determine VOC concentrations at high VOC loading and corresponding destruction efficiency (over three separate complete concentrator cycles), in accordance with the AVAQMD Compliance Test Procedural Manual. VOC concentrations shall be determined in accordance with USEPA Test Methods 25, 25A or 25B, with USEPA Test Method 18 or CARB method 422 used to determine exempt compound concentrations. Test results shall be submitted to the District not later than six (6) weeks prior to the expiration date of the operating permit. [AVAQMD Rule 1303(A) and 40 CFR Part 64 - CAM]
9. This equipment shall be fired on pipeline quality natural gas [AVAQMD Rule 431.1(C)(1)]
10. Records of the following shall be maintained;
    a. Rule 109 daily usage records;
    b. Quarterly inspection records
    c. Spray booth pressure differential recordings
    d. Fuel consumption in standard cubic feet per calendar month;

e. The results of the most recent destruction efficiency (compliance) test;

f. Reaction chamber temperature

[AVAQMD Rule 109; AVAQMD Rule 1303; 40 CFR Part 64 – CAM]

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 1303(A)]

AE. CONDITIONS APPLICABLE TO UVOX, AVAQMD PERMIT # C006118:

1. The total quantity of VOCs emitted from this equipment shall not exceed 600 pounds in any calendar month. [AVAQMD Rule 1303(A)]
2. Spray booths that vent to this control device shall not be operated unless all exhaust air first passes through a USEPA Test Method 319 certified bag type exhaust filter or equivalent. [AVAQMD Rule 204]

   Spray booths that vent to this control device must have a gauge shall be installed to indicate the static pressure differential across the spray booth filters. In operation, the pressure differential shall not exceed 0.25 inches of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. This equipment shall achieve a minimum overall control efficiency of 90% by weight to satisfy BACT requirements for spray painting operations.
4. Compliance with the control efficiency requirement shall be demonstrated using source test results. The reports or 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 1303(A) and 40 CFR Part 64 - CAM]
5. Compliance with the pound per month limits shall be demonstrated using an emissions monitor. Owner/operator shall operate and maintain a PID Analyzers Model 201-C PID (or equivalent) photo ionization detection (PID) monitor at the outlet of the carbon beds. This unit shall report in concentration (ppmv) and monitor in 15 minute intervals. O/o shall calibrate this unit in accordance with manufacturer specifications. O/o shall also monitor and record stack flow rate, temperature and pressure in 15 minute intervals. These data shall be used to calculate daily and monthly VOC emissions. The daily and monthly VOC emission reports and associated records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. This condition does not apply in the event that the equipment is off-line due to a maintenance activity or planned or unplanned power outage. [40 CFR Part 64 - CAM]
6. Safety Data Sheets, 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]
7. A log or records shall be maintained containing the following;

   a. Rule 109 records;

b. Quarterly inspection records;

c. Pressure differential recordings;

d. Source test results

The log or 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 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

AF. CONDITIONS APPLICABLE TO FOUR (4) PORTABLE AIR POLLUTION CONTROL EQUIPMENT, AVAQMD PERMIT #C007747, #C008733, #C011697, #C011698:

1. While in use the air inlet ducts shall be positioned in such a manner that emissions during touch up operations are minimized to the greatest extent possible. [AVAQMD Rule 204]
2. A gauge shall be installed to indicate the static pressure differential across the filters. In operation, the pressure differential shall not exceed 2.00 inches of water above the baseline reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
3. Each exhaust filter pressure gauge shall be monitored at least once per calendar month while the equipment is operating; and, as necessary, the exhaust filter shall be replaced according to the manufacturer's specifications.
4. A log shall be maintained containing the following;

    a. Quarterly inspection records;

    b. Monthly Pressure differential recordings;

    c. Filter replacement records.

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

District/State-only enforceable section

5. Equipment shall not be operated unless all exhaust air passes through a HEPA filter with a design control efficiency of 99.97%.
   [AVAQMD Rule 1401(E)]

AG. CONDITIONS APPLICABLE TO ONE OVEN, AVAQMD PERMIT # B006116

1. Equipment shall not be operated unless vented to air pollution control device, AVAQMD Permit No. C006118 or Permit No. C014585. [AVAQMD Rule 1303(A)]
2. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]

AH. CONDITIONS APPLICABLE TO ONE (1) OVEN, AVAQMD PERMIT # B006435:

1. This equipment shall not be operated unless vented to air pollution control device C010991. [AVAQMD Rule 1303(A)]
2. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]

AI. CONDITIONS APPLICABLE TO THREE (2) OVENS, AVAQMD PERMIT, # B008123, # B008124 and # B014000:

1. A log containing quarterly inspection records shall be maintained. The log, either paper or computerized, 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]
2. This oven can be used to cure all AVAQMD Rule 1124 compliant coatings. [District Permit B014000; AVAQMD Rule 204]

AJ. CONDITIONS APPLICABLE TO BATCH INK MIXING EQUIPMENT, AVAQMD PERMIT # B010207:

1. Equipment shall not be used for storing organic liquids having a vapor pressure greater than 45 mmHg at a temperature of 20 degrees C (68 deg F). This requirement does not apply to compounds identified as exempt pursuant to 40 CFR 51.100(s)(1). [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. The mixer shall have a tight fitting lid which shall be closed at all times except when materials are being added to or extracted from the equipment. [AVAQMD Rule 204]
3. Throughput/usage records shall be maintained and made available to district personnel upon request. [BACT Limiting Condition AVAQMD Rule 1303(A)]
4. Data on the materials stored in the tank and equipment inspection records shall be maintained. The log, either paper or computerized, 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]

AK. CONDITIONS APPLICABLE TO SPRAY BOOTH, AVAQMD PERMIT # S013999

1. The total quantity of VOCs emitted from coating operations within this booth (including hand surface preparation operations and equipment cleanup) is limited to less than 25 pounds in any day, midnight to midnight. [AVAQMD Rules 204]

2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter which provides over 98 percent filtration efficiency.

   [AVAQMD Rules 204 and 1401]

3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the exhaust filters. In operation, the pressure differential shall not exceed one inch of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]

4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]

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

6. Owner/operator shall carry out a quarterly equipment inspection which includes at a minimum an inspection of the integrity of the exhaust filters and exhaust filter suspension system, door seals, spray equipment, and pressure differential gauge(s). [AVAQMD Rule 204]

7. All aerospace coating and related solvent usage shall comply with Rule 1124 – Aerospace Assembly and Component Manufacturing Operations. [AVAQMD Rule 1124]

8. A log shall be maintained containing the following records:

   a. Rule 109 daily records;

   b. Quarterly inspection records;

   c. Pressure differential recordings

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

   [AVAQMD Rule 109 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

9. PM10 emissions from this facility shall be less than 15 tons per year, calculated on a rolling twelve-month basis. The owner/operator shall use the "Lockheed Martin PTE (January 2015) prepared by Verdant Environmental" as the basis for the PM10 emission calculations. Deviations from this calculation methodology shall not be made without prior written approval by the AVAQMD. [AVAQMD Rules 204]

AL. CONDITIONS APPLICABLE TO PROCESS LINE, AVAQMD PERMIT # B008422:

1. Tanks 2, 5, 9, 10, 14 and 15 may be operated at elevated temperatures. All other tanks must be operated at ambient temperatures. The drying ovens at Position 6 and 17 are also operated at elevated temperatures. [AVAQMD Rule 204]

2. 40 CFR 63 Subpart WWWWWW, Area Source Standards for Plating and Polishing Operations, is applicable to Tank 16. The applicable management practices in §63.11507(g)(1) through (12) apply as practicable and:

    a. A Certification of Compliance Report is required to be completed annually no later than January 31st. When no deviations have occurred, the report must be retained onsite and made available for review upon request to [40 CFR 63.63.11509(c)(7)]

    b. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report and postmarked or delivered no later than January 31 of the year immediately following the reporting period. 40 CFR 63.63.11509(c)(7)]

3. Compliance with Conditions 1 and 2 shall be demonstrated with process line records. The 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 70.6 (a)(3)(B) – Periodic Monitoring]

District/State-only enforceable section

4. A log must be maintained containing the amount (in pounds or gallons) of chromic acid added to Tank 16. [AVAQMD Rule 1401]

5. Solutions containing greater than 5% chromic acid shall not be used in this equipment without prior written authorization from the AVAQMD. [AVAQMD Rule 1401]

6. The total amount of hexavalent chromium emitted from this equipment shall not exceed 0.15 pounds in any 12 consecutive months. Demonstration of compliance with this requirement is mandated only if concentrations used in the equipment differ from those in Condition 3 above. [AVAQMD Rule 1401]

AM. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail); AVAQMD PERMIT NUMBER N006375; consisting of:

a. Tanks - Number of Tanks: 1

	Tank Number:	1
1.	Material Stored:	(87) Unleaded
2.	Volume Gallons:	2,000
3.	Aboveground:	A

b. Dispensing Equipment:

1.	Gasoline Dispensing Nozzle-Product Rating:	1
2.	Diesel Dispensing Nozzles:	0
3.	Phase II Vapor Recovery System (Type):	Balance

This gasoline dispensing facility (GDF) has a historical monthly throughput of less than 10,000 gallons of gasoline. GDF with a throughput less than 10,000 gallons/month must comply with the following provisions of 40 CFR 63 Subpart CCCCCC, *Gasoline Dispensing Facilities*. [40 CFR 63.11111(b)]

1. Do not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following [40 CFR 63.11116a]
   - Minimize gasoline spills;
   - Clean up spills as expeditiously as practicable;
   - Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
   - Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
2. Have records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116b]
3. Quarterly maintenance inspections shall be conducted in accordance with a District-approved protocol to ensure proper operating conditions of all components of the vapor recovery systems. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
4. A log shall be maintained containing:
   a. Quarterly inspection records;
   b. A description of any maintenance or repairs resulting from the inspection.
   [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

District/State-only enforceable sections

5. Owner/Operator shall conspicuously post in the gasoline dispensing area the operating instructions, the District's toll-free telephone number for complaints and a District-specified warning sign. The toll free number that must be posted is 1-877-723-8070. [AVAQMD Rule 461 (C)(3)(d) and Appendix A]
6. The vapor vent pipes must be equipped with pressure relief valves. [AVAQMD Rule 461(C)(3)(f)(i)]
7. Owner/Operator must maintain and operate this equipment in compliance with

CARB Executive Order G-70-116F. [AVAQMD Rule 461(C)(1)(a) and (C)(2)(a)]

8. Owner/Operator must maintain a log of all inspections, repairs, and maintenance performed on the subject equipment. [AVAQMD Rule 461(C)(5)(e)]

9. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District. [AVAQMD Rule 461(C)(1) and (C)(2)]

10. Annual Pressure Decay Tests and Liquid Removal Test (if applicable) are required to ensure that the equipment is vapor tight and operating properly. The test shall be conducted in accordance with CARB Executive Order G-70-116F per test method TP-201.3B and 201.6. The District shall be notified at least 10 days prior to conducting the test and results must be submitted within 30 days after test completion. A passing test report must be received by the District annually not later than September 19 or, if September 19 falls on a weekend by the following Monday. [AVAQMD Rule 461(C)(5)(b)(2), (c) and (d) and Rule 461 (D)]

11. Gasoline throughput shall not exceed 60,000 gallons per year. [AVAQMD Rule 1303 (A)]

AN. CONDITIONS APPLICABLE TO GASOLINE DISPENSING FACILITY (non-retail); AVAQMD PERMIT NUMBER N006513; consisting of:

a. Tanks - Number of Tanks: 2

	Tank Number:	1	2
1.	Material Stored:	(87) Unleaded	Diesel
2.	Volume Gallons:	10,152	10,152
3.	Underground(U):	A	A

b. Dispensing Equipment:

1.	Gasoline Dispensing Nozzle-Product Rating:	1
2.	Diesel Dispensing Nozzles:	1
3.	Phase II Vapor Recovery System (Type):	Balance

This gasoline dispensing facility (GDF) has a historical monthly throughput of less than 10,000 gallons of gasoline. GDF with a throughput less than 10,000 gallons/month must comply with the following provisions of 40 CFR 63 Subpart CCCCCC, *Gasoline Dispensing Facilities*. [40 CFR 63.11111(b)]

1. Do not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following [40 CFR 63.11116a]
   a. Minimize gasoline spills;

b. Clean up spills as expeditiously as practicable;

c. Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;

d. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.

2. Have records available within 24 hours of a request by the Administrator to document gasoline throughput. [40 CFR 63.11116b]

3. Quarterly maintenance inspections shall be conducted in accordance with a District-approved protocol to ensure proper operating conditions of all components of the vapor recovery systems. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

4. A log shall be maintained containing:

   a. Quarterly inspection records;

   b. A description of any maintenance or repairs resulting from the inspection. [40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

5. The owner or operator shall include in this facility's annual compliance report, the number, duration, and a brief description of each type of malfunction which occurred during the previous calendar year and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with § 63.11115(a), including actions taken to correct a malfunction. No report is necessary for a calendar year in which no malfunctions occurred. [Derived from 40 CFR 63.11126]

District/State-only enforceable sections

6. The toll-free telephone number that must be posted is 1-877-723-8070. [AVAQMD Rule 461 (C)(3)(d) and Appendix A]

7. 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 made available to District personal upon request; record form shall be similar to the Maintenance Record form indicated in EO VR-401-B, Figure 2N [AVAQMD Rule 461(C)(5)(e)]

8. Any modifications or changes to the piping or control fitting of the vapor recovery system require prior approval from the District. [AVAQMD Rule 461(C)(1) and (C)(2)]

9. Pursuant to EO VR-401-B, vapor vent pipes are to be equipped with Husky 5885

pressure relief valves or as otherwise allowed by EO. [AVAQMD Rule 461((C)(3)(f)(i)]

10. 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-401-B Exhibit 4. 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-401-B Table 2-1;

    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-401-B 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.

    [AVAQMD Rule 461(C)(5)(b)(2), (c) and (d) and Rule 461 (D)]

11. 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-401-B for EVR Phase I, and Standing Loss requirements: http://www.arb.ca.gov/vapor/eos/eo-vr401/eo-401.htm [AVAQMD Rule 461(C)(1)(a)]

    Additionally, Phase II Vapor Recovery System shall be installed and maintained per G-70-162-A with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (VST or other CARB Approved EVR Phase II Hardware). [AVAQMD Rule 461(C)(2)(a)]

12. Pursuant to EO VR-401-B: Maintenance and repair of system components, including removal and installation of such components in the course of any required tests, shall be performed by OPW Certified Technicians. [AVAQMD Rule 204]

13. Pursuant to EO VR-401-B, Maintenance Intervals for OPW; Tank Gauge Components; Dust Caps Emergency Vents; Phase I Product and Vapor Adapters, and Spill Container Drain Valve, shall be conducted by an OPW trained technician annually. [AVAQMD Rule 204]

14. The annual throughput of gasoline shall not exceed 61,300 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accord with a

District approved plan. In addition public notice and/or comment period may be required. [AVAQMD Rule 1303(A) and AVAQMD Rule 1401(E)]

15. The o/o shall; install, maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-B, and Phase II vapor recovery in accordance with G-70-162-A with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (VST or other CARB Approved EVR Phase II Hardware). [AVAQMD Rule 204]

AO CONDITIONS APPLICABLE TO STORAGE TANK, AVAQMD PERMIT # T006484:

1. The tank shall not be used for storing organic liquid having a vapor pressure of 5 mmHg (0.1 psia) or greater under actual storage conditions. [AVAQMD Rule 1303(A)]
2. Throughput to this tank shall not exceed 3,000 gallons per day midnight to midnight. Throughput records shall be maintained. [AVAQMD Rule 1303(a) and AVAQMD Rule 204]
3. A log containing throughput records and data on the materials stored in the tank shall be maintained. The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 1303(A)]

AP CONDITIONS APPLICABLE TO ONE (1) STILL, PAINT THINNER RECYCLER, AVAQMD PERMIT # T010185:

1. The tank shall not be used for storing organic liquid having a vapor pressure greater than 45 mmHg at a temperature of 20 degrees C (68 deg F.) This requirement does not apply to compounds identified as exempt pursuant to 40 CFR 51.100(s)(1). [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. A log containing throughput records and data on the materials stored in the tank shall be maintained. The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [BACT limiting condition AVAQMD Rule 1303(A)]

AQ. CONDITIONS APPLICABLE TO ONE (1) TANK, 3000 GALLON, WASTE TO COOLANT STORAGE, AVAQMD PERMIT # T010403; ONE (1) TANK, 1500 GALLON WASTEWATER FROM PPM, AVAQMD PERMIT # T010404; AND ONE (1) TANK, 1500 GALLON, CLEAN COOLANT STORAGE TANK, AVAQMD PERMIT # T010186:

1. This equipment shall not be used for storing organic liquids having a vapor pressure greater than 45 mm Hg at a temperature of 20 degrees C (68 deg F). This requirement does not apply to compounds identified as exempt in 40 CFR 51.100(s)(1). [AVAQMD Rule 1303(A)]
2. A log containing throughput records and data on the materials stored in the tank shall be

maintained. The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 1303(A)]

AR. CONDITIONS APPLICABLE TO JET ENGINE TEST STAND, AVAQMD PERMIT #B006162:

1. Only JP-5 or JP-8 shall be used in this equipment. [AVAQMD Rule 204]
2. Jet engine test stand shall be operated no more than 14 hours in any one day, midnight to midnight, but not to exceed 28 hours in one calendar week. [BACT Limiting Condition AVAQMD Rule 1303(A)]
3. The combined NOx emissions from this operation shall not exceed 4 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
4. A test stand operating log shall be maintained and must include:
    a. The engine being tested
    b. The number of hours each engine is operated
    c. Total NOx emissions in pounds per day
    d. Hours of operation per day
    e. Hours of operation per week

    The log, either paper or computerized shall be kept on-site and available for review at any time by District, State or Federal personnel. [BACT Limiting Condition AVAQMD Rule 1303(A)]

AS. CONDITIONS APPLICABLE TO FLOW COATER, AVAQMD PERMIT B014584

1. This permit unit is limited to less than 9,125 pounds per year of VOC emissions [District Rule 1303- BACT]
2. A log shall be maintained containing the following;
    a. Rule 109 daily usage records
    b. Quarterly inspection records;

    The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 109 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
3. All aerospace coating and related solvent usage shall comply with Rule 1124 – Aerospace Assembly and Component Manufacturing Operations [AVAQMD Rule 1124]
4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be

kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]

District/State-only enforceable sections

5. Coatings that contain Hazardous Air Pollutant (HAP) materials are not to be used with this Foam Coating Line equipment. [AVAQMD Rule 1402]

AT. CONDITIONS APPLICABLE TO OVENS, AVAQMD PERMIT B014586 and B014588

1. This oven can be used to cure all Rule 1124 compliant composites. [AVAQMD Rule 204]
2. This equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [AVAQMD Rule 1302(C)(2)(a)]
3. Units are limited to using only PUC-regulated pipeline quality natural gas. [AVAQMD Rule 431.1]
4. Fuel consumption shall be monitored using fuel meter or calculated based on equipment annual average operation and reporting in standard cubic feet or therms [AVAQMD Rule 431 and 1302]
5. Owner/operator shall maintain an operations log for this equipment on-site and current for a minimum of 5 years and shall be provided to District personnel upon request. The operations log shall include, at a minimum, the following information:
    a. Total operation time (hours per month and annual total)
    b. Total fuel consumed on an annual basis (reported in standard cubic feet or therms); and
    c. Records of all maintenance and repair actions performed on the equipment by nature and date [AVAQMD Rule 1302(C)(2)(a)]

AU. CONDITIONS APPLICABLE TO SPRAY BOOTH S014582,

1. The total quantity of VOCs emitted from this equipment shall not exceed 430 pounds in any one day, midnight to midnight. [BACT Limiting Condition AVAQMD Rule 1303(A)]
2. Equipment shall not be operated unless all exhaust air passes through a USEPA Test Method 319 certified bag type exhaust filter. [AVAQMD Rule 204]
3. A gauge shall be installed to indicate (in inches of water) the static pressure differential across the filters. In operation, the pressure differential shall not exceed one inch of water

above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]

4. Safety Data Sheets for all coatings, adhesives, and solvents used in this equipment shall be kept current and made available to District, State and Federal personnel upon request. [AVAQMD Rule 109]
5. A log shall be maintained containing the following records:
    a. Rule 109 daily usage records;
    b. System inspection records;

    The log, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. [AVAQMD Rule 109 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]
6. Graco Airless Spray Gun, Model No. 235-463, operated and maintained according to manufacturer's specifications, when used in conjunction with spray assembly tips 411, 511 or 513 pursuant to District letter dated 06/04/09 is deemed HVLP equivalent and shall only be operated within this control device.

District/State-only enforceable section

The hexavalent chromium usage shall not exceed 821 pounds per year before controls. [T BACT]

AV. CONDITIONS APPLICABLE TO NON_REGENERATIVE CARBON ADSORBER, AVAQMD PERMIT # C014585:

1. The total quantity of VOCs emitted from this equipment shall not exceed 600 pounds in any calendar month. [AVAQMD Rule 1303(A)]
2. Spray booths that vent to this control device shall not be operated unless all exhaust air first passes through a USEPA Test Method 319 certified bag type exhaust filter or equivalent. [AVAQMD Rule 204]
3. Spray booths that vent to this control device must have a gauge shall be installed to indicate the static pressure differential across the spray booth filters. In operation, the pressure differential shall not exceed 0.25 inches of water above the starting (baseline) reading. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
4. This equipment shall achieve a minimum overall 81% by weight to satisfy BACT requirements for spray painting operations. Control efficiency shall be demonstrated by sampling VOC emissions per US EPA Method 25 at the inlet and outlet of the carbon beds during initial and subsequent compliance tests [AVAQMD Rules 1303 and 40 CFR Part 64 - CAM]
5. Compliance with control efficiency requirement shall be demonstrated using source tests. The reports or records, either paper or computerized, shall be kept on-site and available for

review at any time by District, State or Federal personnel. [AVAQMD Rules 1303 and 40 CFR Part 64 - CAM]

6. Compliance with the pound per month limits shall be demonstrated using an emissions monitor. Owner/operator shall operate and maintain a PID Analyzers Model 201-C PID (or equivalent) photo ionization detection (PID) monitor at the outlet of the carbon beds. This unit shall report in concentration (ppmv) and monitor in 15 minute intervals. O/O shall calibrate this unit in accordance with manufacturer specifications. O/O shall also monitor and record stack flow rate, temperature and pressure in 15 minute intervals. These data shall be used to calculate daily and monthly VOC emissions. The monthly VOC emission reports and associated records, either paper or computerized, shall be kept on-site and available for review at any time by District, State or Federal personnel. This condition does not apply in the event that the equipment is off-line due to a maintenance activity or planned or unplanned power outage. [40 CFR Part 64 - CAM]
7. Safety Data Sheets, 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]
8. The owner/operator (O/O) shall prepare and submit a monitoring and change-out plan for the carbon adsorption system which ensures that the system is operating at optimal control efficiency at all times for District approval. Once approved, any subsequent changes to the monitoring and change-out plan must be submitted in writing to the District for approval prior to implementation. [AVAQMD Rules 1303 and 40 CFR Part 64 - CAM]
9. The O/O shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The locations of these ports shall be subject to District approval. [AVAQMD Rule 217]
10. The O/O shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. [AVAQMD Compliance Test Procedural Manual]
11. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District with forty-five (45) days after testing is completed. [AVAQMD Compliance Test Procedural Manual]
12. The O/O shall conduct an initial source test within 90 days of date of initial operation and annually thereafter in accordance with the AVAQMD Compliance Test Procedural Manual. After the O/O has demonstrated compliance for two consecutive tests, the O/O may reduce the frequency of subsequent compliance tests to once every three years. If the results of any subsequent triennial compliance test indicate the equipment is not in compliance with the VOC control efficiency, the O/O must resume annual compliance tests. The following compliance tests are required: a VOC as hexane in ppmvd and lb/hr (measured per USEPA Reference Methods 25A and 18 or equivalent. [40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements]
13. The following records, either paper or computerized, shall be maintained on site for a

period of five (5) years and presented to District personnel upon request.

a. SDS and Rule 109 records

b. A log containing system inspection records and pressure differential recordings

c. All compliance tests including source test reports or records shall contain at a minimum the following information

    i. Date and time of VOC monitoring;

    ii. Results of VOC monitoring; and

    iii. Date and description of all maintenance, malfunctions, repairs, and carbon change out(s). [AVAQMD Rule 109 and 40 CFR 70.6 (a)(3)(B) – Periodic Monitoring]

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); AVAQMD 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); AVAQMD 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); AVAQMD 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); AVAQMD 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); AVAQMD 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); AVAQMD 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 emissions or compliance-related information that the AVAQMD may request in writing.
[40 CFR 70.6(a)(6)(v); AVAQMD 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); AVAQMD 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); AVAQMD 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); AVAQMD 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); AVAQMD Rule 3003(D)(1)(f)(x)]

12. Compliance with the terms of this permit shall be deemed compliance with applicable requirements as of the date of permit issuance provided that:
    a. Such applicable requirements are included and are specifically identified in the permit; or
    b. the Permitting Authority has determined in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determinations.

[40 CFR 70.6(f)(1); AVAQMD Rule 3003(G)(1)]

13. The Permit Shield 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); AVAQMD Rule 3003(G)(3)(a)]

14. The Permit Shield 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); AVAQMD Rule 3003(G)(3)(b)]

15. The Permit Shield shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.
[40 CFR 70.6(f)(3)(iii); AVAQMD Rule 3003(G)(3)(c)]

16. The Permit Shield 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); AVAQMD Rule 3003(G)(3)(d)]

17. The Permit Shield 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); AVAQMD Rule 3003(G)(3)(e)]

18. The Permit Shield 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); AVAQMD Rule 3003(G)(3)(f)]

19. The Permit Shield 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); AVAQMD 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 PROVISIONS

A. ALTERNATIVE OPERATING SCENARIO(s):

OFF PERMIT CHANGES:

I. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:

A. Permittee has applied for and obtained all permits and approvals required by AVAQMD Regulation II and Regulation XIII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of Rule 219; and

1. The proposed change is not:

a. Subject to any requirements under Title IV of the Federal Clean Air Act; or [*See AVAQMD 3003(E)(1)(c)(i)b.]*

b. A modification under Title I of the Federal Clean Air Act; or

c. A modification subject to Regulation XIII; and *[See AVAQMD 3003(E)(1)(c)(i) b.]*

d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and [*See AVAQMD 3003(E)(1)(c)(i)b.]*

e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See AVAQMD 3003(E)(1)(c)(i)b.]*

II. Procedure for "Off Permit" Changes

A. If a proposed "Off Permit Change" qualifies under Part V, Section (A)(I)(A)(1) above, permittee shall implement the change as follows:

1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See AVAQMD 3003(E)(1)(c)(ii)a.]*

2. In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:

a. A notification that this application is also an application for an "Off Permit" Change pursuant to this condition; and *[See AVAQMD 3003(E)(1)(c)(ii)b.]*

b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See AVAQMD 3003(E)(1)(c)(ii)b.]*

c. A list of any existing Applicable Requirements which would cease to apply as a result of the change. *[See AVAQMD 3003(E)(1)(c)(ii)b.]*

3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See AVAQMD 3003(E)(1)(c)(ii)c.]*

B. Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See AVAQMD 3003(E)(1)(c)(ii)a. and e.]*

C. Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate which evidences the Off Permit Change to this Title V permit. *[See AVAQMD 3003(E)(1)(c)(ii)d.]*

D. Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to AVAQMD Rule 3002(B)(3)(b). *[See AVAQMD 3003(E)(1)(c)(ii)d.]*

III. Other Requirements:

A. The provisions of AVAQMD Rule 3005 – Modifications do not apply to an Off Permit Change made pursuant to this condition.

B. The provisions of AVAQMD Rule 3003(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]*

[AVAQMD Rule 3003(E)(1)(c)]

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)

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:

CARB	California Air Resources Board
CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horse power
Btu	British thermal units
CCR	California Code of Regulations
CDM	compliance demonstration method
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO_2	carbon dioxide
District	Antelope Valley Air Quality Management District
AVAQMD	Antelope Valley Air Quality Management District
AV	Antelope Valley Air Quality Management District
GHG	Greenhouse Gas
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal units
MMBtu	million British thermal units
MMBtu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power

NH_3	ammonia
NMOC	non-methane organic compounds
NO_x	oxides of nitrogen
NO_2	nitrogen dioxide
O_2	oxygen
pH	pH (acidity measure of solution)
PM_{10}	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
SCAQMD	South Coast Air Quality Management District
scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO_x	oxides of sulfur
SO_2	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compounds

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.

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
109	*Recordkeeping For Volatile Organic Compound Emissions*	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	*Permit to Operate*	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	*Permit Conditions*	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

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
206	*Posting of Permit to Operate*	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,) Submitted as amended 8/19/1997 on 3/10/1998	Y	Current Rule Version = 8/19/1997: Current rule adds a provision for facility permits and requires that they be kept at the location for which they are issued. For compliance purposes the current version of the rule shall apply
207	*Altering or Falsifying Of Permit*	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	*Transfer And Voiding Of Permits*	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	*Provision for Sampling and Testing Facilities*	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	*Equipment Not Requiring a Written Permit*	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

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
					shall apply
225	*Federal Operating Permit Requirement*	SIP Pending	Submitted as adopted 3/17/1998 on 2/16/1999	Y	Current Rule Version = 1/18/11
301	*Permit Fees*	Not SIP		N	Current Rule Version = 7/16/2019
312	*Supplemental Fees for Federal Operating Permits*	Not SIP		N	Current Rule Version = 7/19/2016
401	*Visible Emissions*	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	*Fugitive Dust*	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	*Particulate Matter Concentration*	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	*Solid Particulate Matter, Weight*	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	*Liquid and Gaseous Air Contaminants*	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	*Circumvention*	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	*Combustion Contaminants*	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	*Breakdown Provisions*	Not SIP		N	Current Rule Version = 3/17/1998
431.1	*Sulfur Content*	8/21/2012	Approved 9/30/2013, 78	Y	Current Rule

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
	of Gaseous Fuels		FR 59840, 40 CFR 52.220(c)(429)(i)(B)(1)		Version = 8/21/2012
431.2	*Sulfur Content of Liquid Fuels*	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	*Usage of Solvents*	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	*Open Fires*	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	*Gasoline Transfer and Dispensing*	10/21/2008	Approved, 40 CFR 52.220(c)(366)(i)(C)(1)	Y	Current Rule Version = 10/21/08
1107	*Coating Of Metal Parts and Products*	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	*Emissions From Stationary, Non-road & Portable Internal Combustion*		Submitted as amended on 01/21/03 on 04/01/03	Y	Current Rule Version = 9/18/2018

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
	Engines				
1113	*Architectural Coatings*	3/18/2003	Approved 8/6/2004, 69 FR 52432, 40 CFR 52.220(c)(316)(i)(F)(1)	Y	Current Rule Version = 6/18/2013
1124	*Aerospace Assembly and Component Manufacturing Operations*	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 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	*Wood Products Coatings*	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	*Abrasive Blasting*	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	*Plastic, Rubber and Glass Coatings*	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

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
					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	*Emissions Of Oxides Of Nitrogen From Industrial, Institutional, And Commercial Boilers, Steam Generators, And Process Heaters*	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	*Polyester Resin Operations*	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	*Adhesive Applications*	9/20/2011	Approved 40 CFR 52.220(c)(411)(i)(D)(1)	Y	Current Version = 09/20/11
1171	*Solvent Cleaning*	9/13/1996	Approved 5/24/2001, 66 FR 28666, 40 CFR 52.220(c)(262)(i)(e)(2)	Y	Current Rule Version = 8/21/2018; Current version of the rule limits solvents used for cleaning of aerospace application equipment to 200 g/l VOC or 45 mmHg composite partial pressure at 20 degrees C. For compliance purposes the current version of the rule shall apply.
1401	*New Source Review for Toxic Air contaminants*	Not SIP		N	Current Rule Version = 8/15/2006
Reg XIII	*New Source Review*	SIP Pending	Submitted as amended 3/20/2001 on 10/31/2001;	Y	Current Rule Version =

District Rule	Title	SIP Rule Version	Citation	Federally enforceable?	Notes
			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 1/21/1981, 46 FR 5965, 40 CFR 52.220(c)(68)(i)		8/16/2016
3003	*Federal Operating Permits*	Not SIP		Y	Current Rule Version = 4/19/05
3011	*Greenhouse Gas Provisions of Federal Operating Permits*	Not SIP		Y	Current Rule Version = 1/18/2011

APPENDIX A – APPLICABLE RULE SUMMARIES

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 District 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 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^{o}C (68^{o}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^{o}C (68^{o}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^{o} C (68^{o} 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)]