1947 Galileo Ct., Suite 103 • Davis, California 95618

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January 31, 2014

Mr. Gerardo Rios, Chief
Permits Office
Air Division
U.S. E.P.A. – Region IX
75 Hawthorne Street
San Francisco, CA 94105

Re: Notice of Final Decision –Title V Permit F-00555-8

Dear Mr. Rios:

The District has issued the final Title V Permit F-00555-8 (enclosed) for the California State Prison – Solano located at 2100 Peabody Road in Vacaville, CA. The District received no comments during the regulatory and public noticing periods. The enclosed "Title V Permit Issuance Report" summarized the details for this project.

If you have any questions on this matter, please contact Kyle Rohlfing at (530) 757-3672 or toll-free in the (530), (916), and (707) area codes at (800) 287-3650.

Sincerely,

Frank DeMaris
Supervising Air Quality Engineer

Enclosures: Title V Permit F-00555-8, Title V Permit Issuance Report

cc (email only): Shaheerah Kelly, U.S. EPA - Permits Office

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TITLE V PERMIT ISSUANCE REPORT

Engineer: Kyle Rohlfing
Company Name: California State Prison – Solano
Permit Number: F-00555-8
Date: January 30, 2014

Purpose:
The Yolo-Solano Air Quality Management District (District) has prepared this Title V Permit Issuance Report to document that Title V Permit F-00555-8 is being finalized to incorporate changes to the facility's current Title V Permit F-00555-7 (issued on October 5, 2011). Title V Permit F-00555-8 incorporates only the changes proposed by Authority to Construct (ATC) C-13-34 that has been implemented into Permit to Operate (PTO) P-21-13.

Public/Source Comments:
As previously discussed in "Emission Evaluation and Statement of Basis Addendum C-13-34" (see file), the proposed Title V Permit was noticed according to the requirements of District Rule 3.8 (Federal Operating Permits). The District did not receive any written comments during the noticing periods.

EPA Comments:
The proposed Title V Permits was noticed according to the requirements of District Rule 3.8 (see file). The District did not receive any written comments during the noticing periods.

ARB Comments:
The proposed Title V Permits was noticed according to the requirements of District Rule 3.8 (see file). The District did not receive any written comments during the noticing periods.

Recommendation:
Issue Title V Permit F-00555-8 to incorporate the changes contained in ATC C-13-34.

Engineer: Kyle Rohlfing **Date:** 1/31/14

Reviewed By: Frank DeMaris **Date:** 1/31/2014

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
1947 Galileo Court, Suite 103, Davis, CA 95618
(530) 757-3650

TITLE V OPERATING PERMIT
Permit Number: F-00555-8

ISSUED TO:

California State Prison-Solano
2100 Peabody Road
Vacaville, CA 95696-4000

PLANT SITE LOCATION:

2100 Peabody Road
Vacaville, CA 95696-4000

ISSUED BY:

Mat Ehrhardt, P.E., Air Pollution Control Officer

1/31/14
Date

PROPOSED	July 25, 2013
EFFECTIVE	February 5, 2014
EXPIRATION	April 1, 2016

Nature of Business:	Correctional Detention Center
SIC Code:	9223

Responsible Official:

Name:	Donald Mims
Title:	Correctional Plant Manager II
Phone:	(707) 454-3286

Site Contact Person:

Name:	Hugh Carolan
Title:	Associate Hazardous Materials Specialist
Phone:	(707) 451-0182 ext. 5822

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I. FACILITY EMISSION UNITS AND EQUIPMENT LISTS:

A. Insignificant Emissions Units

Insignificant emissions units or exempted equipment may be supplemented, replaced or modified with non-identical equipment without notice provided exemption status has not changed as defined in current district or federal rules. The equipment listed in Table 1 is a partial listing of equipment currently identified as exempt or insignificant and not required to obtain an operating permit pursuant to Rule 3.2 of the Yolo-Solano Air Quality Management District.

Table 1 Exempted And Insignificant Emissions Units (partial listing)

Insignificant Equipment Description	Basis for Exemption
Stationary Internal Combustion (IC) Engine	Rule 3.2, Section 105.1
Metal Cutting Fluid	Rule 3.2, Section 113
Comfort Cooling Systems	Rule 3.2, Section 103
Misc. Maintenance Solvent Cleaning	Rule 3.2, Section 113
Welding Operations	Rule 3.2, Section 113
Book Printing Operation	Rule 3.2, Section 113

B. Significant Emissions Units

Each of the sources has been constructed pursuant to issuance of an authority to construct in accordance with District Rules 3.1 and 3.4.

Identification Number: **P-41-88(a1), Metal Parts & Products Coating Operation (Liquid and Powder Coating)**

Equipment Description: One (1) 16' x 16' x 30' liquid spray booth with HVLP guns; one (1) 10' x 10' x 34' powder spray booth with electrostatic guns; and one (1) 2.15 MMBtu/hr natural gas fired oven burner.

Control Equipment: Two (2) 20 HP exhaust fans with dry filter system serving the liquid booth; and one (1) 60 HP exhaust fan with dry cartridge filter system serving the powder booth.

Identification Number: **P-42-88, Enclosed Steel Shot Blasting**

Equipment Description: Pauli and Griffen Enclosed Blasting Booth, Model No. 1540, Serial No. 2657; and one (1) 50 HP air compressor.

Control Equipment: EPA-Approved Blasting Steel Shot, Dry Filter System (5,400 cfm)

Identification Number:	**P-53-88(a), Coating Operation: Automotive**
Equipment Description:	16' x 16' x 52'6" spray booth with HVLP gun(s) enclosed gun washer, and 0.4 MMBtu/hr permit exempt natural gas fired heater
Control Equipment:	Exhaust fan (10,000 CFM) with dry filter system
Identification Number:	**P-3-90, Wood Products Coating Operation**
Equipment Description:	8'4" x 7'4" x 10'2" spray booth with spray guns; Enclosed gun washer.
Control Equipment:	Exhaust fan (7,285 CFM) with dry filter system
Identification Number:	**P-35-92, Woodworking Operation**
Equipment Description:	Various woodworking equipment (total electric horsepower rating not to exceed 90 HP)
Control Equipment:	Baldor cyclone, Model #4104T, (18,000 cfm); Baghouse (8' x 18", 18 bags)
Identification Number:	**P-36-92, Woodworking Operation**
Equipment Description:	Jointer (3/4 hp), Table Saw (1½ HP), Radial Arm Saw (5 hp), Belt Sander (1 hp).
Control Equipment:	Torit cyclone, Model #36, (18,000 cfm); Baghouse (8' x 18", 12 bags)
Identification Number:	**P-77-92(a1), Letterpress and Silkscreen Printing Operation**
Equipment Description:	One (1) Heidelberg letterpress; three (3) Brandtjen & Kluge, Inc. letter presses; four (4) American M&M Cameo screen printing presses; one (1) AWT UV Dryer; and one (1) American Screen Printing UV dryer.
Control Equipment:	None.
Identification Number:	**P-27-95(a), Internal combustion (IC) engine powering an emergency generator**
Equipment Description:	960 BHP diesel fired Detroit Diesel internal combustion engine, Model No. 16V-92T 8163-7305, Serial No. 16VF006390, Model Year 1985, Non-Certified Engine, Generator #2.
Control Equipment:	Turbocharger.

Equipment Description:	14' x 9' x 26' spray booth with spray gun(s), and enclosed gun washer.
Control Equipment:	Exhaust fan with dry filter system.
Identification Number:	**P-55-97, Dryers for an Institutional Laundry Facility**
Equipment Description:	Three (3) 2.5 MMBtu/hr natural gas fired Challenge Dryers, Model No. CFG-1, Serial No.'s 593-410, 593-411, and 593-412.
Control Equipment:	None.
Identification Number:	**P-22-04(a), Coating Operation: Metal Parts and Products (Liquid & Powder Coating)**
Equipment Description:	One (1) 10' x 16' x 10' liquid spray booth with HVLP gun(s); one (1) 10' x 10' x 10' powder spray booth with electrostatic guns; and two (2) 0.75 MMBtu/hr natural gas fired oven burners.
Control Equipment:	One (1) 5 HP exhaust fan with dry filter system serving the liquid booth; and two (2) 3 HP exhaust fans with dry cartridge filter system serving the powder booth.
Identification Number:	**P-64-04, Emergency Internal Combustion (IC) Engine**
Equipment Description:	415 BHP diesel fired Detroit Diesel IC engine, Model No. 6063-MK35R, Serial No. 06R0719432.
Control Equipment:	Aftercooler and turbocharger
Identification Number:	**P-51-10, Emergency IC Engine**
Equipment Description:	165 BHP diesel fired John Deere IC engine, Model No. 6068TF275F, Serial No. PE6068T673022, Model Year 2006, EPA Certified Tier II Engine
Control Equipment:	Turbocharger.
Identification Number:	**P-21-13, Boiler: Space Heating**
Equipment Description:	One (1) 1.25 MMBtu natural gas fired Raypak boiler, Model No. MVB H7-1253, Serial No. 120433815
Control Equipment:	Low NOx burner

II. SPECIFIC UNIT REQUIREMENTS

A. Emission Limits

A.1 The emissions for each permit unit shall not exceed the following:

Table 2 Permitted Emission Limits

Permit	Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
P-41-88(a1)	VOC	230.8	1,089	1,076	1,131	1,085	2.14
	CO	4.3	344	348	351	351	0.70
	NO_x	5.2	409	414	418	418	0.83
	SO_x	Neg.	2	2	3	3	Neg.
	PM_{10}	48.8	328	325	337	328	0.65
P-42-88	PM_{10}	0.1	5	5	5	5	0.01
P-53-88(a)	VOC	29.2	1,619	1,637	1,655	1,655	2.17
	PM_{10}	2.3	210	213	215	215	0.28
P-3-90	VOC	36.2	1,040	1,040	1,040	1,040	0.52
P-35-92	PM_{10}	2.1	185	187	189	189	0.25
P-36-92	PM_{10}	2.3	185	187	189	189	0.28
P-77-92(a1)	VOC	22.7	130	130	130	130	0.24
P-27-95(a)	VOC	12.4	103	103	103	103	0.05
	CO	101.6	847	847	847	847	0.42
	NO_x	702.5	5,854	5,854	5,854	5,854	2.93
	SO_x	0.3	2	2	2	2	Neg.
	PM_{10}	41.8	348	348	348	348	0.17
P-28-95(a)	VOC	49.1	409	409	409	409	0.20
	CO	112.6	938	938	938	938	0.47
	NO_x	517.8	4,315	4,315	4,315	4,315	2.16
	SO_x	0.3	2	2	2	2	Neg.
	PM_{10}	37.0	308	308	308	308	0.15
P-29-95(a)	VOC	12.4	103	103	103	103	0.05
	CO	101.6	847	847	847	847	0.42
	NO_x	702.5	5,854	5,854	5,854	5,854	2.93
	SO_x	0.3	2	2	2	2	Neg.
	PM_{10}	41.8	348	348	348	348	0.17
P-30-95(a)	VOC	49.1	409	409	409	409	0.20
	CO	112.6	938	938	938	938	0.47
	NO_x	517.8	4,315	4,315	4,315	4,315	2.16
	SO_x	0.3	2	2	2	2	Neg.
	PM_{10}	37.0	308	308	308	308	0.15
P-31-95(a)	VOC	42.7	356	356	356	356	0.18
	CO	97.9	816	816	816	816	0.41
	NO_x	450.2	3,752	3,752	3,752	3,752	1.88
	SO_x	0.2	2	2	2	2	Neg.
	PM_{10}	32.2	268	268	268	268	0.13
P-133-95	VOC	41.4	2,153	2,153	2,153	2,153	5.23

	PM_{10}	5.9	306	306	306	306	0.71
P-167-95	VOC	12.6	819	819	819	819	0.46
	PM_{10}	0.4	27	27	27	27	0.02
P-55-97	VOC	0.4	34	34	34	34	0.06
	CO	1.5	135	135	135	135	0.23
	NO_x	7.1	643	643	643	643	1.11
	SO_x	Neg.	4	4	4	4	0.01
	PM_{10}	0.9	77	77	77	77	0.13
P-22-04(a)	VOC	115.7	595	606	637	637	1.24
	CO	3.0	272	275	278	278	0.55
	NO_x	3.6	324	328	331	331	0.66
	SO_x	Neg.	2	2	2	2	Neg.
	PM_{10}	25.3	221	224	231	231	0.45
P-64-04	VOC	2.2	18	18	18	18	0.01
	CO	9.9	82	82	82	82	0.04
	NO_x	96.6	805	805	805	805	0.40
	SO_x	0.1	1	1	1	1	Neg.
	PM_{10}	1.5	13	13	13	13	0.01
P-51-10	VOC	10.0	83	83	83	83	0.04
	CO	7.8	65	65	65	65	0.03
	NO_x	32.6	271	271	271	271	0.14
	SO_x	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
	PM_{10}	1.9	16	16	16	16	0.01
P-21-13	VOC	0.2	11	11	11	11	0.02
	CO	2.5	173	173	173	173	0.35
	NO_x	0.7	50	50	50	50	0.10
	SO_x	Neg.	1	1	1	1	Neg.
	PM_{10}	0.2	16	16	16	16	0.03

[District Rule 3.4]

A.2 The Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:

a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or

b. Greater than 20% opacity. [District Rule 2.3, District Rule 3.1, §402/P-3-90, P-42-88, P-55-97, P-133-95, P-167-95, P-22-04(a), P-41-88(a1), P-64-04, P-77-92(a1), P-35-92, P-36-92, and District Rule 3.4/C-08-258, C-10-30, C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

A.3 For **P-41-88(a1)**, the Permit Holder shall not release or discharge into the atmosphere from the liquid booth exhaust, particulate matter in excess of 0.007 grains per cubic feet of exhaust. [District Rule 3.4/C-02-142]

A.4 For **P-41-88(a1)**, the Permit Holder shall not release or discharge into the atmosphere from the powder booth exhaust, particulate matter in excess of 0.007 grains per cubic feet of exhaust. [District Rule 3.4/C-02-142]

A.5 For **P-22-04(a)**, the Permit Holder shall not release or discharge into the atmosphere from the liquid booth exhaust, particulate matter in excess of 0.03 grains per cubic feet of exhaust. [District Rule 3.4/C-07-176]

A.6 For **P-22-04(a)**, the Permit Holder shall not release or discharge into the atmosphere from the powder booth exhaust, particulate matter in excess of 0.02 grains per cubic feet of exhaust. [District Rule 3.4/C-07-176]

A.7 For **P-21-13**, the Permit Holder 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 (3) minute in any one (1) hour which is:

a. As dark or darker in shade that No. 1 on the Ringelmann Chart; or
b. Greater that 20% opacity. [District Rule 3.4/C-13-34]

A.8 For **P-21-13**, the Permit Holder shall not release into the atmosphere from any single source operation, particulate matter in excess of 0.1 grains per cubic foot of exhaust. [District Rule 2.11]

A.9 For **P-21-13**, the NOx emission concentration shall not exceed 20 parts per million by volume (ppmv) corrected to 3% O2. [District Rule 3.4/C-13-34]

B. Work Practice and Operational Requirements

Process Limits For Permit Units

P-41-88(a1), Metal Parts & Products Coating Operation

B.1 The general coating usage shall not exceed 100 gallons/day, 453 gallons/1st calendar quarter, 447 gallons/2nd calendar quarter, 471 gallons/3rd calendar quarter, 451 gallons /4th calendar quarter, and 1,782 gallons/year. [District Rule 3.4/C-02-142]

B.2 The powder coating usage shall not exceed 50 pounds/day, 2,490 pounds/1st calendar quarter, 2,495 pounds/2nd calendar quarter, 2,508 pounds/3rd calendar quarter, 2,508 pounds/4th calendar quarter, and 10,000 pounds/year. [District Rule 3.4/C-02-142]

B.3 The burner's maximum natural fuel consumption rate shall not exceed 0.0516 million cubic feet/day, 4.090 million cubic feet/1st calendar quarter, 4.140 million cubic feet/2nd calendar quarter, 4.180 million cubic feet/3rd calendar quarter, 4.180 million cubic feet/4th calendar quarter, and 16.590 million cubic feet/year. [District Rule 3.4/C-02-142]

P-22-04(a), Metal Parts & Products Coating Operation

B.4 The emissions of volatile organic compounds (VOCs) from the application of liquid coating shall not exceed 115.0 pounds/day, 552 pounds/1st calendar quarter, 564 pounds/2nd calendar quarter, 593 pounds/3rd calendar quarter, 593 pounds/4th calendar quarter, and 2,300 pounds/year. [District Rule 3.4/C-07-176]

B.5 The usage of powder coatings shall not exceed 50 pounds/day, 2,490 pounds/1st calendar quarter, 2,495 pounds/2nd calendar quarter, 2,508 pounds/3rd calendar quarter, 2,508 pounds/4th calendar quarter, and 10,000 pounds/year. [District Rule 3.4/C-07-176]

B.6 The burner's maximum natural fuel consumption rate shall not exceed 0.036 million cubic feet/day, 3.240 million cubic feet/1st calendar quarter, 3.276 million cubic feet/2nd calendar quarter, 3.312 million cubic feet/3rd calendar quarter, 3.312 million cubic feet/4th calendar quarter, and 13.140 million cubic feet/year. [District Rule 3.4/C-07-176]

P-41-88(a1) and P-22-04(a), Fuel Usage Cap

B.7 The combined natural gas usage of the equipment of P-41-88(a1) and P-22-04(a) shall not exceed 4.090 million cubic feet in the 1st calendar quarter, 4.140 million cubic feet in the 2nd calendar quarter, 4.180 million cubic feet in the 3rd calendar quarter, 4.180 million cubic feet in the 4th calendar quarter, and 16.590 million cubic feet in the calendar year. [District Rule 3.4/C-02-142, C-07-176]

P-42-88, Abrasive Blasting Operation

B.8 The process' steel shot (greater than 80 grit) consumption shall not exceed 25 pounds/day, 1,300 pounds/1st calendar quarter, 1,300 pounds/2nd calendar quarter, 1,300 pounds/3rd calendar quarter, 1,300 pounds/4th calendar quarter, and 2.50 tons/year. [District Rule 3.4/P-42-88]

P-53-88(a), Coating Operation: Automotive

B.9 Volatile Organic Compound (VOC) emissions from the coating operation shall not exceed 29.2 pounds/day, 1,619 pounds/1st calendar quarter, 1,637 pounds/2nd calendar quarter, 1,655 pounds/3rd calendar quarter, 1,655 pounds/4th calendar quarter, and 4,348 pounds/year. [District Rule 3.4/C-10-30]

P-3-90, Wood Products Coating Operation

B.10 The coating usage shall not exceed 3.0 gallons/day, 195 gallons/1st calendar quarter, 195 gallons/2nd calendar quarter, 195 gallons/3rd calendar quarter, 195 gallons/4th calendar quarter, and 300 gallons/year. [District Rule 3.4/P-3-90]

B.11 The surface preparation and cleanup solvent usage shall not exceed 5 gallons/day, 60 gallons/1st calendar quarter, 60 gallons/2nd calendar quarter, 60 gallons/3rd calendar quarter, 60 gallons/4th calendar quarter, and 60 gallons/year. [District Rule 3.4/P-3-90]

P-35-92, Woodworking Operation

B.12 The raw lumber throughput for the process shall not exceed 500 board-feet/day, 12,500 board-feet/1st calendar quarter, 12,500 board-feet/2nd calendar quarter, 12,500 board-feet/3rd calendar quarter, 12,500 board-feet/4th calendar quarter, and 12,500 board-feet/year. [District Rule 3.4/P-35-92]

P-36-92, Woodworking Operation

B.13 The raw lumber throughput for the process shall not exceed 500 board-feet/day, 12,500 board-feet/1st calendar quarter, 12,500 board-feet/2nd calendar quarter, 12,500 board-feet/3rd calendar quarter, 12,500 board-feet/4th calendar quarter, and 12,500 board-feet/year. [District Rule 3.4/P-36-92]

P-77-92(a1), Letterpress and Silkscreen Printing Operation

B.14 Volatile Organic Compound (VOC) emissions from the printing operation shall not exceed 22.7 pounds/day, 130 pounds/1st calendar quarter, 130 pounds/2nd calendar quarter, 130 pounds/3rd calendar quarter, 130 pounds/4th calendar quarter, and 483 pounds/calendar year. [District Rule 3.4/C-10-123]

P-27-95(a) & P-29-95(a), Emergency IC Engines

B.15 The maximum diesel fuel consumption of the engine shall not exceed 1,248 gallons/day, 10,400 gallons/1st calendar quarter, 10,400 gallons/2nd calendar quarter, 10,400 gallons/3rd calendar quarter, 10,400 gallons/4th calendar quarter, and 10,400 gallons/year. [District Rule 3.4/C-11-13 and C-11-15]

P-28-95(a) & P-30-95(a), Emergency IC Engines

B.16 The maximum diesel fuel consumption of the engine shall not exceed 1,104 gallons/day, 9,200 gallons/1st calendar quarter, 9,200 gallons/2nd calendar quarter, 9,200 gallons/3rd calendar quarter, 9,200 gallons/4th calendar quarter, and 9,200 gallons/year. [District Rule 3.4/C-11-14 and C-11-16]

P-31-95(a), Emergency IC Engine

B.17 The maximum diesel fuel consumption of the engine shall not exceed 960 gallons/day, 8,000 gallons/1st calendar quarter, 8,000 gallons/2nd calendar quarter, 8,000 gallons/3rd calendar quarter, 8,000 gallons/4th calendar quarter, and 8,000 gallons/year. [District Rule 3.4/C-11-17]

P-133-95, Automotive and Metal Parts Coating Operation

B.18 The automotive primer usage shall not exceed 312 gallons/1st calendar quarter, 312 gallons/2nd calendar quarter, 312 gallons/3rd calendar quarter, 312 gallons/4th calendar quarter, and 1,2501,248 gallons/year. [District Rule 3.4/P-133-95]

B.19 The automotive topcoat usage shall not exceed 312 gallons/1st calendar quarter, 312 gallons/2nd calendar quarter, 312 gallons/3rd calendar quarter, 312 gallons/4th calendar quarter, and 1,6751,248 gallons/year. [District Rule 3.4/P-133-95]

B.20 The metal parts and products general coating usage shall not exceed 624 gallons/1st calendar quarter, 624 gallons/2nd calendar quarter, 624 gallons/3rd calendar quarter, 624 gallons/4th calendar quarter, and 2,496 gallons/year. [District Rule 3.4/P-133-95]

B.21 The total usage of automotive or metal parts and products coatings shall not exceed 12 gallons/day. [District Rule 3.4/P-133-95]

B.22 The total coating usage on a quarterly basis shall be limited to any combination of compliant automotive and metal coatings listed not to exceed the permitted emission limits allowed by P-133-95. [District Rule 3.4/P-133-95]

B.23 The surface preparation and cleanup solvent usage shall not exceed 5.0 gallons/day, 260 gallons/1st calendar quarter, 260 gallons/2nd calendar quarter, 260 gallons/3rd calendar quarter, 260 gallons/4th calendar quarter, and 1,040 gallons/year. [District Rule 3.4/P-133-95]

P-167-95, Metal Parts & Products Coating Operation

B.24 The general coating usage shall not exceed 2.0 gallons/day, 130 gallons/1st calendar quarter, 130 gallons/2nd calendar quarter, 130 gallons/3rd calendar quarter, 130 gallons/4th calendar quarter, and 300 gallons/year. [District Rule 3.4/P-167-95]

B.25 The high gloss coating usage shall not exceed 1.0 gallons/day, 65 gallons/1st calendar quarter, 65 gallons/2nd calendar quarter, 65 gallons/3rd calendar quarter, 65 gallons/4th calendar quarter, and 150 gallons/year. [District Rule 3.4/P-167-95]

B.26 The pretreatment wash primer coating usage shall not exceed 1.0 gallons/day, 65 gallons/1st calendar quarter, 65 gallons/2nd calendar quarter, 65 gallons/3rd calendar quarter, 65 gallons/4th calendar quarter, and 150 gallons/year. [District Rule 3.4/P-167-95]

P-55-97, Institutional Laundry Facility

B.27 The maximum natural gas fuel consumption rate for the dryers shall not exceed 0.0714 million cubic feet/day, 6.43 million cubic feet/1st calendar quarter, 6.43 million cubic feet/2nd calendar quarter, 6.43 million cubic feet/3rd calendar quarter, 6.43 million cubic feet/4th calendar quarter, and 22.29 million cubic feet/year. [District Rule 3.4/P-55-97]

P-64-04, Emergency IC Engine

B.28 The unit's maximum diesel fuel consumption rate shall not exceed 418 gallons/day, 3,480 gallons/1st calendar quarter, 3,480 gallons/2nd calendar quarter, 3,480 gallons/3rd calendar quarter, 3,480 gallons/4th calendar quarter, and 3,480 gallons/year. [District Rule 3.4/C-02-360]

P-51-10, Emergency IC Engine

B.29 The unit's maximum diesel fuel consumption rate shall not exceed 207 gallons/day, 1,724 gallons/1st calendar quarter, 1,724 gallons/2nd calendar quarter, 1,724 gallons/3rd calendar quarter, 1,724 gallons/4th calendar quarter, and 1,724 gallons/year. [District Rule 3.4/C-08-258]

P-21-13, Boiler

B.30 The maximum amount of natural gas fuel consumption shall not exceed 0.03 million cubic feet/day, 2.061 million cubic feet/1st calendar quarter, 2.061 million cubic feet/2nd calendar quarter, 2.061 million cubic feet/3rd calendar quarter, 2.061 million cubic feet/4th calendar quarter, and 8.244 million cubic feet/year. [District Rule 3.4/C-13-34]

Metal Parts & Products Coating Operations

B.31 The Permit Holder shall not apply coatings to metal parts and products unless the coatings are applied using properly operated equipment, and by using one of the following application methods or other high transfer efficiency application equipment which has been approved, in writing, by the Air Pollution Control Officer (APCO):

a. Electrostatic attraction operated in accordance with manufacturer's recommendations;
b. High-volume, low-pressure (HVLP) spray system operated in accordance with manufacturer's recommendations;
c. Flow coat;
d. Dip coat;
e. Hand coat; or
f. Roll coat. [District Rule 2.25, §302]

B.32 For **P-41-88(a1) and P-22-04(a)**, all liquid coatings shall be applied in the liquid paint booths with filters in place and exhaust fans operating. [District Rule 3.4/C-02-142, C-07-176]

B.33 For **P-41-88(a1) and P-22-04(a)**, all powder coatings shall be applied in the powder paint booth with the filters in place, the electrostatic system and the exhaust fans operating. [District Rule 3.4/C-02-142, C-07-176]

B.34 For **P-167-95**, all painting shall be conducted in the booth with filters in place and fan operating. [District Rule 3.4/P-167-95]

B.35 For **P-41-88(a1) and P-22-04(a)**, the Permit Holder shall not apply any liquid coatings to metal parts and products, which containing in excess of 2.3 lb/gal (275 g/L), including any VOC-containing materials added to the original liquid coatings supplied by the manufacturer, excluding water and exempt compounds. [District Rule 2.25, §301/P-41-88(a1), C-07-176]

B.36 For **P-41-88(a1) and P-22-04(a)**, the Permit Holder shall not apply to metal parts and products any powder coatings which contain VOC in excess of 0.01 lb/lb of powder coating. [District Rule 3.4/C-02-142, C-07-176]

B.37 For **P-133-95**, the Permit Holder shall not apply any general coatings to metal parts and products, which containing in excess of 2.8 lb/gal (340 g/L), including any VOC-containing materials added to the original liquid coatings supplied by the manufacturer, excluding water and exempt compounds. [District Rule 2.25, §301/P-133-95]

B.38 A person shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits in Table 3. [Rule 2.25, §301]

TABLE 3			
Grams of VOC per Liter (or Pounds of VOC per Gallon) of Coating Less Water, and Less Exempt Compounds			
		VOC CONTENT G/L (LBS/GAL)	
	COATING CATEGORY	BAKED	AIR DRIED
General:		275 (2.3)	340 (2.8)
Specialty:	Etching Filler	420 (3.5)	420 (3.5)
	Solar-Absorbent	360 (3.0)	420 (3.5)
	Heat-Resistant	360 (3.0)	420 (3.5)
	High Gloss	360 (3.0)	420 (3.5)
	Metallic	360 (3.0)	420 (3.5)
	Extreme Performance	420 (3.5)	420 (3.5)
	Silicone Release	420 (3.5)	420 (3.5)
	High Performance Architectural	420 (3.5)	420 (3.5)
	Camouflage	360 (3.0)	420 (3.5)
	Vacuum-Metalizing	420 (3.5)	420 (3.5)
	Mold-Seal	420 (3.5)	420 (3.5)
	High Temperature	420 (3.5)	420 (3.5)
	Pan Backing	420 (3.5)	420 (3.5)
	Pretreatment Wash Primer*	420 (3.5)	420 (3.5)

* No maximum solids content restriction.

B.39 For **P-41-88(a1) and P-22-04(a)**, the Permit Holder shall not use any VOC-containing solvent material for the preparation or cleanup of surfaces, the cleaning of spray equipment, or the removal of paint. [District Rule 3.4/C-02-142, C-07-176]

B.40 For **P-133-95**, Effective January 1, 2011, the maximum VOC content of solvents used for product cleaning, and the cleaning of coating equipment shall not exceed 25 g/l (0.21 lb/gallon). [District Rule 3.1, §402/P-133-95]

B.41 For **P-133-95**, a person shall not perform surface preparation and cleanup unless one of the following cleaning devices or methods is used:

a. Wipe Cleaning;
b. Spray bottles or containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
c. Any other method approved by the District. [District Rule 3.1, §402/P-133-95]

B.42 For **P-133-95**, any person owning or operating any device used to clean spray equipment for coating applications shall comply with all the following requirements in addition to applicable VOC limits:

a. The system must fully enclose the spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures;
b. The system must be used according to the manufacturer's recommendations; and
c. The system must be closed when not in use. [District Rule 3.1, §402/P-133-95]

B.43 A person shall not specify the use of any coating to be applied to any metal parts and products subject to the provisions of this rule that does not meet the limits and requirements of this rule where such applications result in a violation of this rule. The requirements of this Section shall apply to all written or oral contracts. [District Rule 2.25, §401]

B.44 A person shall apply to the Air Pollution Control Officer to have a coating classified as an extreme performance coating prior to application of such coating. The Air Pollution Control Officer may classify a coating as an extreme performance coating provided that the petitioner demonstrates that the intended use of each coated object would require an extreme performance coating and has successfully demonstrated that general compliant coatings are unsuitable. [District Rule 2.25, §402]

B.45 For **P-133-95, P-41-88(a1), P-167-95 and P-22-04(a)**,the Permit Holder shall not apply a coating containing the following compounds in the stated amounts:
a. Cadmium (Cd), Chromium (Cr), lead (Pb), or nickel (Ni) in amounts greater than or equal to 0.1% by mass; or
b. Manganese (Mn) in amounts greater than or equal to 1.0 % by mass. [District Rule 3.1, §402/P-133-95, P-167-95, P-22-04(a), P-41-88(a1), and P-53-88(a)]

B.46 For **P-133-95, P-41-88(a1), P-167-95 and P-22-04(a)**,the Permit Holder shall not use any chemical strippers containing methylene chloride (MeCl) to remove dried coatings. [District Rule 3.1, §402/P-133-95, P-167-95, P-22-04(a), P-3-90, P-41-88(a1), and P-53-88(a)]

Automotive Coating Operations

B.47 For **P-53-88(a)**, the Permit Holder shall not apply to any motor vehicle, mobile equipment, or associated parts and components by any method other than high volume low pressure (HVLP) spray equipment, unless such equipment has written approval from the District. [District Rule 2.26 §304 and District Rule 3.4/C-10-30]

B.48 For **P-133-95**, the Permit Holder shall not apply coating to any Group I or II vehicles or mobile equipment or their parts and components, unless one of the following methods is used (operated in accordance with the manufacturer's recommendations):
a. Electrostatic application equipment;
b. High-volume low-pressure (HVLP) spray equipment;
c. Any other coating application method which has been demonstrated to has a transfer efficiency of 65% or greater and which is approved by the US EPA. [District Rule 2.26, §303/P-133-95]

B.49 For **P-53-88(a)**, all painting shall be conducted in the booth with filters in place, fan operating, and doors closed. [District Rule 3.4/C-10-30]

B.50 For **P-53-88(a)**, the Permit Holder shall not release or discharge into the atmosphere, particulate matter in excess of 0.001 grains per cubic foot of exhaust volume as calculated at standard conditions. [District Rule 3.4/C-10-30]

B.51 For **P-53-88(a)**, the Permit Holder shall not apply to any motor vehicle, mobile equipment, or associated parts and components, any coating with a VOC regulatory content (less water and exempt compounds) in excess of the following limits:

COATING TYPE	REGULATORY VOC CONTENT
Adhesion Promoter	540 g/l (4.5 lb/gal)
Clear Coating	250 g/l (2.1 lb/gal)
Color Coating	420 g/l (3.5 lb/gal)
Multi-Color Coating	680 g/l (5.7 lb/gal)
Pretreatment Coating	660 g/l (5.5 lb/gal)
Primer	250 g/l (2.1 lb/gal)
Primer Sealer	250 g/l (2.1 lb/gal)
Single-Stage Coating	340 g/l (2.8 lb/gal)
Temporary Protective Coating	60 g/l (0.5 lb/gal)
Truck Bed Liner Coating	310 g/l (2.6 lb/gal)
Underbody Coating	430 g/l (3.6 lb/gal)
Uniform Finish Coating	540 g/l (4.5 lb/gal)
Any Other Coating Type	250 g/l (2.1 lb/gal)

[District Rule 2.26 §302 and District Rule 3.4/C-10-30]

B.52 For **P-53-88(a)**, if anywhere on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed above, then the lowest VOC content limit shall apply. [District Rule 2.26, §303 and District Rule 3.4]

B.53 For **P-53-88(a)**, the Permit Holder shall not apply a coating containing the following compounds in the stated amounts:

a. Cadmium (Cd), Chromium (Cr), lead (Pb), or nickel (Ni) in amounts greater than or equal to 0.1% by mass; or

b. Manganese (Mn) in amounts greater than or equal to 1.0 % by mass. [District Rule 3.1, §402/P-53-88(a)]

B.54 For **P-53-88(a)**, the Permit Holder shall not use any chemical strippers containing methylene chloride (MeCl) to remove dried coatings. [District Rule 3.1, §402/P-53-88(a)]

B.55 For **P-53-88(a) and P-133-95**, the Permit Holder shall not use or possess any automotive coatings containing hexavalent chromium or cadmium. [District Rule 3.1, §402/P-133-95 and District Rule 3.4/C-10-30]

B.56 For **P-53-88(a) and P-133-95**, effective January 1, 2011, the maximum VOC content of solvents used for product cleaning, and the cleaning of coating equipment shall not exceed 25 g/l (0.21 lb/gallon). [District Rule 2.31 §301, District Rule 3.1 §402/P-133-95, and District Rule 3.4/C-10-30]

B.57 For **P-53-88(a) and P-133-95**, a person shall not perform surface preparation and cleanup unless one of the following cleaning devices or methods is used:

a. Wipe Cleaning;
b. Spray bottles or containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
c. Any other method approved by the District. [District Rule 3.1, §402/P-133-95 and District Rule 3.4/C-10-30]

B.58 For **P-53-88(a) and P-133-95**, any person owning or operating any device used to clean spray equipment for coating applications shall comply with all the following requirements in addition to applicable VOC limits:

a. The system must fully enclose the spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures;
b. The system must be used according to the manufacturer's recommendations; and
c. The system must be closed when not in use. [District Rule 3.1, P-133-95 and District Rule 3.4/C-10-30]

B.59 A person shall not refinish Group I vehicles, their parts and components, or Group II vehicles and mobile equipment where color match is required, using any coating with a VOC content in excess of the following limits, expressed as grams of VOC per liter (or pounds per gallon) of coating applied, excluding water and exempt compounds (as defined in Section 207 of this Rule), unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with an abatement device efficiency of at least 85 percent.

Table 4 Group I Automotive Coating VOC-content Limits

COATING	January 1, 1995 VOC
Pretreatment Wash Primer	420 g/l (3.5 lbs/gal)
Precoat	420 g/l (3.5 lbs/gal)
Primer/Primer Surfacer	250 g/l (2.1 lbs/gal)
Primer Sealer	340 g/l (2.8 lbs/gal)
Topcoat	460 g/l (3.8 lbs/gal)
Metallic/Iridescent Topcoat	540 g/l (4.5 lbs/gal)
Specialty Coating	840 g/l (7.0 lbs/gal)

[District Rule 2.26 §301.1/P-133-95]

B.60 A person shall not finish or refinish Group II vehicles and equipment or their parts and components where color match is not required, using any coating with a VOC content in excess of the following limits, expressed as grams of VOC per liter (or pounds per gallon) of coating applied, excluding water and exempt compounds (as defined in Section 207 of this Rule), unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with an abatement device efficiency of at least 85 percent.

Table 5 Group II Automotive Coating VOC-content Limits

COATING	January 1, 1995 VOC
Pretreatment Wash Primer	420 g/l (3.5 lbs/gal)
Precoat	420 g/l (3.5 lbs/gal)
Primer	250 g/l (2.1 lbs/gal)
Topcoat	340 g/l (2.8 lbs/gal)
Metallic/Iridescent Topcoat	420 g/l (3.5 lbs/gal)
Extreme Performance	420 g/l (3.5 lbs/gal)
Camouflage	420 g/l (3.5 lbs/gal)
Specialty Coating	840 g/l (7.0 lbs/gal)

[District Rule 2.26 §301.1/P-133-95]

Wood Coating Operations

B.61 No spray painting operations shall occur without properly functioning filtration systems. Filters shall be changed at least on a weekly basis. A spare set of filters shall be available at all times. [District Rule 3.4/P-3-90]

B.62 The Permit Holder shall not use any chemical strippers containing methylene chloride (MeCl) to remove dried coatings. [District Rule 3.1, §402/P-3-90]

Letterpress and Silkscreen Printing Operation

B.63 The maximum as-applied VOC-content (excluding water and exempt compounds) of letterpress inks shall not exceed 300 g/L (2.5 lb/gallon). [District Rule 3.4/C-10-123]

B.64 The maximum as-applied VOC-content (excluding water and exempt compounds) of the high-VOC silkscreen inks shall not exceed 840 g/L (7.0 lb/gallon). [District Rule 3.4/C-10-123]

B.65 The maximum as-applied VOC-content (excluding water and exempt compounds) of the medium-VOC silkscreen inks shall not exceed 540 g/L (4.5 lb/gallon). [District Rule 3.4/C-10-123]

B.66 The maximum as-applied VOC-content (excluding water and exempt compounds) of the low-VOC silkscreen inks shall not exceed 40 g/L (0.33 lb/gallon). [District Rule 3.4/C-10-123]

B.67 The maximum as-applied VOC-content (excluding water and exempt compounds) of adhesives used in the printing operation shall not exceed 660 g/L (5.50 lb/gallon). [District Rule 3.4/C-10-123]

B.68 The maximum as-applied VOC-content of solvents used for product cleaning or general applications shall not exceed 25 g/L (0.21 lb/gallon). [District Rule 3.4/C-10-123]

B.69 The maximum as-applied VOC-content of solvents used to clean silkscreen ink from application equipment shall not exceed 100 g/L (0.83 lb/gallon). [District Rule 3.4/C-10-123]

B.70 The maximum as-applied VOC-content of solvents used to clean letterpress ink from application equipment shall not exceed 238 g/L (1.99 lb/gallon). [District Rule 3.4/C-10-123]

B.71 The maximum as-applied VOC-content of solvents used to clean all other materials from application equipment shall not exceed 25 g/L (0.21 lb/gallon). [District Rule 3.4/C-10-123]

B.72 A person shall not perform surface preparation and cleanup using a solvent with a VOC content greater than 25 g/L unless one of the following cleaning devices or methods is used:

a. Wipe Cleaning;
b. Spray bottles or containers with a maximum capacity of 16 fluid ounces from which solvents are applied without a propellant-induced force; or
c. Any other method approved by the District. [District Rule 3.4/C-10-123]

Evaporation Loss Minimization

B.73 For **P-53-88(a), P-167-95, P-133-95, P-3-90, P-41-88(a1) and P-22-04(a)**, the Permit Holder shall use closed containers for the storage or disposal of cloth, paper, or other VOC containing materials (including paint, thinners, catalysts, reducers, solvent and spent solvent used for surface preparation, clean-up, and coating applications). [District Rule 3.1, §402/P-167-95, P-133-95, P-3-90, P-41-88(a1), P-22-04(a) and District Rule 3.4/C-10-30]

B.74 For **P-77-92(a1)**, the Permit Holder shall store all VOC-containing materials (including shop rags and towels) used in the printing operation, regardless of their VOC-content, in non-absorbent, non-leaking containers. The containers are to be kept closed at all times except when filling or emptying. [District Rule 3.4/C-10-123]

Emergency IC Engines

B.75 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), and P-31-95(a)**, the Permit Holder shall not operate the IC engine more than 40 hours per calendar year for maintenance and testing purposes, and such operation shall be scheduled in cooperation with the District so as to limit air quality impact. [District Rule 3.4/C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

B.76 For **P-64-04 and P-51-10**, the Permit Holder shall not operate the IC engine more than 50 hours per calendar year for maintenance and testing purposes, and such operation shall be scheduled in

cooperation with the District so as to limit air quality impact. [District Rule 3.4, §110.1/P-64-04C-02-360, C-08-258]

B.77 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), P-31-95(a), P-64-04 and P-51-10**, the Permit Holder shall not operate the IC engine more than 200 hours per calendar year. [District Rule 3.4, §110.2/P-64-04, C-02-360,C-08-258, C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

B.78 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), P-31-95(a), P-64-04, and P-51-10**, the Permit Holder shall not operate the IC engine for the supplying of power to a serving utility for distribution on the grid. [District Rule 3.4, §110.3/ P-64-04, C-02-360, C-08-258, C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

B.79 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), P-31-95(a), P-64-04, and P-51-10**, the Permit Holder's operation of the IC engine for reasons other than maintenance purposes shall be limited to actual interruptions of electrical power by the serving utility. [District Rule 3.4, §110.4/P-64-04, C-02-360, C-08-258, C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

B.80 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), and P-31-95(a)**, the Permit Holder shall only refuel the IC engine with CARB certified diesel fuel. [District Rule 3.4/C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

B.81 For **P-51-10**, the Permit Holder shall not operated the engine within one-hundred thirty-five (135) feet of the nearest shoulder of Peabody Road. [District Rule 3.4/C-08-258]

B.82 For **P-51-10**, the engine must not emit more than 6.9 g/HP-hr of nitrogen oxides. [40 CFR Part 60, Section 60.4205 (Subpart IIII)]

B.83 For **P-51-10**, the engine must be operated and maintained according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine. [40 CFR Part 60, Section 60.4206 (Subpart IIII)]

B.84 For **P-51-10**, the engine must use diesel fuel that meets the requirements of 40 CFR 80.510(b). [40 CFR Part 60, Section 60.4207 (Subpart IIII)]

Boiler: Space Heating

B.85 For **P-21-13**, the Permit Holder shall only fire the boiler on Public Utility Commission (PUC) grade pipeline natural gas. [District Rule 3.4/C-13-34]

C. Monitoring and Testing Requirements

C.1 For P-41-88(a1) and P-22-04(a), a non-resettable, totalizing gaseous fuel flow meter shall be utilized to measure the quantity (in cubic feet) of natural gas combusted by the equipment of permits P-41-88(a1) and P-22-04(a). [District Rule 3.4/P-41-88(a1), C-07-176]

C.2 For P-51-10, the Permit Holder shall install and maintain a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 3.4/C-08-258 and 40 CFR Part 60, Section 60.4209 (Subpart IIII)]

C.3 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), and P-31-95(a),** the Permit Holder shall install and maintain a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 3.4/C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

C.4 For **P-21-13**, the Permit Holder shall monitor and record the cumulative quarterly and annual natural gas fuel usage (in cubic feet). The records shall be updated quarterly and made available to the District upon request. [District Rule 3.4/C-13-34]

D. Recordkeeping Requirements

Woodworking Operations

D.1 For P-35-92, the Permit Holder shall maintain a list of the current wood-working equipment used at the facility. The list shall contain the horsepower rating of the equipment and be maintained with the permit. [District Rule 3.1, §402/P-35-92]

Institutional Laundry Facility

D.2 For P-55-97, the Permit Holder shall maintain records of the natural gas usage (in cubic feet) on a quarterly and yearly basis. The records shall be retained for a period of five years and shall be made available to the District upon request. [District Rule 3.1, §402/P-55-97]

Coating Operations

D.3 For **P-53-88(a), P-77-92(a1), P-167-95, P-133-95, P-3-90, P-41-88(a1) and P-22-04(a)**, the Permit Holder shall maintain a current list that includes the following for all VOC containing materials:

a. Material name and manufacturer's product data sheet or material safety data sheet (MSDS);
b. Material application method;
c. Material category and specific mix ratio;
d,. Actual VOC content (in g/l or lb/gallon); and
e. As-applied regulatory VOC content (in g/l or lb/gallon). [District Rule 3.1, §402/, P-167-95, P-133-95, P-3-90, P-41-88(a1), P-22-04(a) and District Rule 3.4/C-10-30, C-10-123]

D.4 For **P-22-04(a), P-41-88(a1), and P-133-95**, the Permit Holder shall maintain monthly records of coatings used on metal parts and products showing the types and amounts of coating used. [District Rule 2.25, §501.1(b)(i)/C-02-142, P-133-95, and C-07-176]

D.5 For **P-167-95**, the Permit Holder shall maintain records on a daily basis that include the coating and mix ratio of components in the coating used, the quantity of each coating applied, and corresponding VOC emissions. [District Rule 2.25, §501.1 and District Rule 3.4/P-167-95]

D.6 For **P-53-88(a), P-167-95, P-133-95, P-3-90, P-41-88(a1) and P-22-04(a)**, The Permit Holder shall maintain records on a monthly basis that include the solvents used, the quantity and mix ratio of each solvent applied, and the corresponding VOC emissions. [District Rule 3.1, §402/P-167-95, P-133-95, P-3-90, P-41-88(a1), P-22-04(a) and District Rule 3.4/C-10-30]

D.7 For **P-133-95**, the Permit Holder shall maintain records on a daily basis that include the automotive coating and mix ratio of components in the coating used and the quantity of each coating applied. [District Rule 2.26, §507.3]

D.8 For **P-53-88(a)**, the Permit Holder shall maintain records on a daily basis that include the coatings used, the quantity and mix ratio of each coating applied, and the corresponding VOC emissions. [District Rule 3.4/C-10-30]

D.9 For **P-53-88(a), P-77-92(a1), P-167-95, P-133-95, P-3-90, P-41-88(a1) and P-22-04(a)**, the Permit Holder shall maintain purchase records identifying the type, name, and volume of each VOC containing material, and any other records necessary to demonstrate compliance with this permit. [District Rule 3.1, §402/P-167-95, P-133-95, P-3-90, P-41-88(a1), P-22-04(a) and District Rule 3.4/C-10-30, C-10-123]

D.10 For **P-53-88(a), P-167-95, P-133-95, P-3-90, P-41-88(a1) and P-22-04(a)**, all required records shall be retained for a minimum of five (5) years and shall be made available for District inspection upon request. [District Rule 3.1, §402/P-167-95, P-133-95, P-3-90, P-41-88(a1), P-22-04(a) and District Rule 3.4/C-10-30]

Letterpress and Silkscreen Printing Operation

D.11 For **P-77-92(a1)**, the Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each ink and adhesive used in the printing operation. [District Rule 3.4/C-10-123]

D.12 For **P-77-92(a1)**, the Permit Holder shall on a monthly basis record the type, the amount, and the as-applied VOC-content of each solvent used in the printing operation.[District Rule 3.4/C-10-123]

Emergency IC Engines

D.13 For **P-27-95(a), P-28-95(a), P-29-95(a), P-30-95(a), P-31-95(a), and P-51-10**, the Permit Holder shall maintain a monthly log of usage that shall list and document the nature of use for each of the following:

a. Emergency use hours of operation;
b. Maintenance and testing hours of operation;
c. Initial start-up hours;
d. Fuel use through the retention of fuel purchase records that account for all fuel used in the engine and all fuel purchased for use in the engine, and at a minimum contain:
    i Identification of fuel as CARB diesel or an approved alternative;
    ii. Amount of fuel purchased;

iii. Date when fuel was purchased;
iv. Signature of owner/operator or representative who received the fuel;
v. Signature of the fuel provider indicating fuel was delivered. [District Rule 3.4/C-08-258, C-11-13, C-11-14, C-11-15, C-11-16, C-11-17]

D.14 For **P-51-10**, the Permit Holder shall retain the log for a minimum of 5 years from the date of entry. The records shall be maintained at a central location and shall be made available to District staff within 5 working days from the request. [District Rule 3.4/C-08-258]

Boiler: Space Heating

D.15 For **P-21-13**, all required records shall be retained for a minimum of five (5) years and shall be made available for District inspection upon request. [District Rule 3.8, §302.6(b)/C-13-34]

Fuel Usage

D.16 The Permit Holder shall maintain a quarterly log of natural gas usage for the process of P-41-88(a1) and P-22-04(a). [District Rule 3.4/C-02-142 and C-07-176]

III. FACILITY WIDE REQUIREMENTS

A. Opacity

A.1 The permit holder shall not discharge into the atmosphere from any single source of emission whatsoever, any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is:

a. As dark or darker in shade as that designated as No. 2 on the Ringlemann 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 subsection a. of this condition. [District Rule 2.3]

B. Nuisance

B.1 The permit holder shall not discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health, or safety of any such persons or the public or which cause to have a natural tendency to cause injury or damage to business or property. [This permit condition is federally enforceable because it derives from District Rule 2.5 - Nuisance that is currently part of the California State Implementation Plan (SIP). The District is taking steps to remove Rule 2.5 from the SIP. Once the U.S. EPA has taken final action to remove District Rule 2.5 from the SIP, this permit condition will become state-enforceable only]

C. Circumvention

C.1 The permit holder shall not build, erect, install or use any article, machine, equipment, or other contrivance, 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 Division 26, Part 3 and Part 4 of the Health and Safety Code of the State of California or District Rules or Regulations. [District Rule 2.17]

D. General Permit Requirements

D.1 No person shall build, erect, alter, or replace any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants, or the use of which may eliminate or reduce or control the issuance of air contaminants, without first obtaining an authorization to construct from the Air Pollution Control Officer as specified in Section 401 of District Rule 3.1. [District Rule 3.1, §301.1]

D.2 No person shall operate any facility, article, machine, equipment, or other contrivance, for which an authorization to construct is required by District Rules and Regulations without first obtaining a written permit from the Air Pollution Control Officer. [District Rule 3.1, §302.1]

D.3 No person shall operate any facility, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate or reduce or control the issuance of air contaminants, without obtaining a permit from the Air Pollution Control Officer or the Hearing Board. [District Rule 3.1, §302.2]

D.4 The Permits to Operate shall not be transferable, by operation of law or otherwise, from one location to another or from one piece of equipment to another. It shall be the transferee's responsibility to inform the District on assumption of ownership or operating control of any item under a permit from the District and for which a PTO will be required. For any such transfer as herein above described, said transferee shall submit an application for authorization in accordance with applicable District Rules. [District Rule 3.1, §304]

D.5 All Permits to Operate shall be renewable annually on the permit's anniversary date, commencing one year after the date of issuance. The Permit Holder shall pay a fee for the annual permit renewal. If the annual renewal fee is not paid by the specified due date, the District shall assess a penalty of not more than 50% of the fee due. Non-payment of renewal fees is grounds for permit cancellation. [District Rule 3.1, §305 and District Rule 4.1, §303 and §401]

D.6 Commencing work or operation under any Permit to Operate shall be deemed acceptance of all of the conditions so specified. [District Rule 3.1, §402]

D.7 The Permit Holder shall maintain a list of the current wood-working equipment used at the facility. The list shall contain the horsepower rating of the equipment and be maintained with the permit. [District Rule 3.1, §402/P-35-92]

D.8 The Permit Holder shall maintain records of the natural gas usage (in cubic feet) on a quarterly and yearly basis. The records shall be retained for a period of five years and shall be made available to the District upon request. [District Rule 3.1, §402/P-55-97]

D.9 The Permit Holder shall submit an annual throughput/production report at the end of each calendar year for each Permit to Operate. This report is due no later than March 31 for the previous year.

This report must include actual operating hours and actual amounts of materials processed (for materials that have process limits listed on the PTOs). Each type of material and each type of process must be listed separately. [District Rule 3.1, §405.1]

D.10 The owner or operator of any facility, article, machine, equipment, or other contrivance for which a permit to operate is in effect shall notify the District office whenever a breakdown, malfunction, or operational upset condition exists which would tend to increase emissions of air pollutants or whenever any operating condition contrary to any provision of the permit to operate exists. Such notice shall be given to the District no later than four hours after occurrence during regular workday hours or no later than two hours of the District workday following an occurrence not during regular District workday hours. The notice shall provide the District information as to causes and corrective action being taken, with a schedule for return to required operating conditions. [District Rule 3.1, §405.3]

D.11 The Permit Holder shall report all excess emissions to the District within ninety-six (96) hours of the occurrence of excess emissions. [District Rule 3.1, §405.4]

D.12 The Permit Holder shall firmly affix all Permits to Operate, an approved facsimile, or other approved identification bearing the permit number upon the facility, article, machine, equipment, or other contrivance in such a manner as to be clearly visible and accessible. In the event that the facility, article, machine, equipment, or other contrivance is so constructed or operated that the permit to operate cannot be so placed, the permit to operate shall be mounted so as to be clearly visible in an accessible place within 25 feet of the facility, article, machine, equipment, or other contrivance, or maintained readily available at all times on the operating premises. [District Rule 3.1, §408]

E. Federal Requirements - General

E.1 The Permit Holder shall comply with the following General Provisions of 40 CFR 60, Subpart A:

State Authority	
40 CFR 60.10 (a) and (b)	A state or political subdivision thereof may establish standards at least as stringent as federal regulations and may require a facility to obtain permits.
Circumvention	
40 CFR 60.12	The permit holder must not build or use any equipment that conceals or dilutes an emission that would otherwise constitute a violation of an applicable standard.
Modification	
40 CFR 60.14 (a)	Modifications are physical or operational changes that result in increases in emission rate.
40 CFR 60.14 (b)	Emission rate determination procedures.

40 CFR 60.14 (c)	Stationary source and/or expansion applicability requirements.
40 CFR 60.14 (e)	Exemptions to the definition of modification.
40 CFR 60.14 (f)	Special provisions from another subpart will supercede and conflicting general provision.
40 CFR 60.14 (g)	Compliance must be achieved within 180 days of completion of a modification.
Reconstruction	
40 CFR 60.15 (a)	Any existing facility upon reconstruction becomes and affected facility irrespective of any change in emission rate.
40 CFR 60.15 (b)	Reconstruction is replacement of components such that the fixed capital costs of components is more than 50% of the cost of a new facility, or it is technologically and economically feasible to meet applicable standards of this part.
40 CFR 60.15 (c)	Definition of fixed capitol costs.
40 CFR 60.15 (d)	Notification prior to reconstruction.
40 CFR 60.15 (e)	30 day reconstruction notification review.
40 CFR 60.15 (f)	Reconstruction review guidelines.
40 CFR 60.15 (g)	Reconstruction definition refinement by other subparts.
Priority List	
40 CFR 60.16	List of Major Source Categories
General Notification and Reporting Requirements	
40 CFR 60.19 (a)	Unless otherwise specified in a subpart, "days" means "calendar days."
40 CFR 60.19 (b)	General postmarking requirements.
40 CFR 60.19 (c)	Change of postmarking requirements through mutual agreement.
40 CFR 60.19 (d)	Coordination of State and federal report submission through mutual agreement.
40 CFR 60.19 (e)	Coordination of multiple source report submission through mutual agreement.
40 CFR 60.19 (f)	Postmark and/or reporting frequency adjustment procedures.

E.2 The Permit Holder shall comply with the following applicable General Provisions of 40 CFR 63, Subpart A:

Prohibited Activities and Circumvention	
40 CFR 63.4 (a)	A source must not operate in violation of the requirements
40 CFR 63.4 (b)	The permit holder must not build or use any equipment that conceals or dilutes an emission that would otherwise constitute a violation of an applicable standard.
40 CFR 63.4 (c)	The permit holder must not divide operations of the same facility or phasing of reconstruction activities to avoid becoming subject to new source requirements.
Preconstruction Review and Notification Requirements	
40 CFR 63.5 (a)	Applicability of preconstruction review and notification requirements.
40 CFR 63.5 (b)	Requirements for existing, newly constructed, and reconstructed sources.
40 CFR 63.5 (d)	Requirements for construction or reconstruction applications.
40 CFR 63.5 (e)	Standards for approval or denial of construction or reconstruction applications.
40 CFR 63.5 (f)	Approval may be based on State preconstruction review assuming the procedure is substantially equivalent.
Compliance with Standards and Maintenance Requirements	
40 CFR 63.6 (a)	Standards of applicable requirements apply unless the source is granted an extension of compliance or an exemption from compliance.
40 CFR 63.6 (b)	Compliance dates for new and reconstructed sources.
40 CFR 63.6 (c)	Compliance dates for existing sources.
40 CFR 63.6 (e)	Operation and maintenance requirements
40 CFR 63.6 (f)	Compliance with non-opacity emission standards.
40 CFR 63.6 (g)	Procedures for use of an alternative non-opacity emission standard.
40 CFR 63.6 (i)	Applicable requirements concerning an extension of compliance with emission standards.
40 CFR 63.6 (j)	Presidential compliance exemption.
Notification Requirements	
40 CFR 63.9 (a)	Applicability and notification requirements and proper notification recipient.
40 CFR 63.9 (b)	Requirements for initial notifications.

40 CFR 63.9 (c)	Request for extension of compliance.
40 CFR 63.9 (d)	Notifications if subject to special compliance requirements.
40 CFR 63.9 (h)	Compliance notification requirement details.
40 CFR 63.9 (i)	Adjustment to time periods or postmark deadlines.
40 CFR 63.9 (j)	Revision of information previously reported.
Recordkeeping and Reporting Requirements	
40 CFR 63.10 (a)	Applicability and notification requirements and proper notification recipient.
40 CFR 63.10 (b)	General recordkeeping requirements.
40 CFR 63.10 (d)	General reporting requirements.
40 CFR 63.10 (f)	Waiver of recordkeeping or reporting requirements.
State Authority and Delegations	
40 CFR 63.12	A state or political subdivision thereof may establish standards at least as stringent as federal regulations and may require a facility to obtain permits. All information submitted to the EPA shall also be submitted to the appropriate state agency.

IV. TITLE V GENERAL REQUIREMENTS

A. Right of Entry

A.1 The permit shall require that the source allow the entry of the District, ARB, or U.S. EPA officials for the purpose of inspection and sampling, including:

a. Inspection of the stationary source, including equipment, work practices, operations, and emissions-related activity;
b. Inspection and duplication of records required by the permit to operate; and
c. Source sampling or other monitoring activities. [District Rule 3.8, §302.10]

B. Compliance with Permit Conditions:

B.1 The Permit Holder shall comply with all Title V permit conditions. [District Rule 3.8, §302.11(a)]

B.2 The permit does not convey property rights or exclusive privilege of any sort. [District Rule 3.8, §302.11(b)]

B.3 Non-compliance with any permit condition is grounds for permit termination, revocation and reissuance, modification, enforcement action, or denial of permit renewal. [District Rule 3.8, §302.11(c)]

B.4 The Permit Holder shall not use the "need to halt or reduce a permitted activity in order to maintain compliance" as a defense for non-compliance with any permit condition. [District Rule 3.8, §302.11(d)]

B.5 A pending permit action or notification of anticipated non-compliance does not stay any permit condition. [District Rule 3.8, §302.11(e)]

B.6 Within a reasonable time period, the Permit Holder shall furnish any information requested by the APCO, in writing, for the purpose of determining:

a. Compliance with the permit; or
b. Whether or not cause exists for a permit or enforcement action. [District Rule 3.8, §302.11(f)]

C. Emergency Provisions:

C.1 Within two weeks of an emergency event, the owner or operator shall submit to the District a properly signed contemporaneous log or other relevant evidence demonstrating that:

a. An emergency occurred;
b. The Permit Holder can identify the cause(s) of the emergency;
c. The facility was being properly operated at the time of the emergency;
d. All steps were taken to minimize the emissions resulting from the emergency; and
e. Within two working days of the emergency event, the Permit Holder provided the District with a description of the emergency and any mitigating or corrective actions taken; and
f. In any enforcement proceeding, the Permit Holder has the burden of proof for establishing that an emergency occurred. [District Rule 3.8, §302.12]

D. Severability

D.1 If any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgment shall not affect or invalidate the remainder of these conditions. [District Rule 3.8, §302.13]

E. Compliance Certification

E.1 The Responsible Official shall submit a compliance certification to the U.S. EPA and the APCO every twelve (12) months unless required more frequently by an applicable requirement. The twelve (12) month period shall be January 1 through December 31, and shall be submitted by January 31 following the reporting period, unless otherwise approved in writing by the District. All compliance reports and other documents required to be submitted to the District by the responsible official shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. [District Rule 3.4, §409 and District Rule 3.8, §302.14(a)]

E.2 The compliance certification shall identify the basis for each permit term or condition (e.g., specify the emissions limitation, standard, or work practice) and a means of monitoring compliance with

the term or condition consistent with Sections 302.5, 302.6, and 302.7 of Rule 3.8. [District Rule 3.8, §302.14(b)]

E.3 The compliance certification shall include a statement of the compliance status, whether compliance was continuous or intermittent, and method(s) used to determine compliance for the current time period and over the entire reporting period. [District Rule 3.8, §302.14(c)]

E.4 The compliance certification shall include any additional inspection, monitoring, or entry requirement that may be promulgated pursuant to Sections 114(a) and 504(b) of the Federal Clean Air Act. [District Rule 3.8, §302.14(d)]

F. Permit Life

F.1 The Title V permit shall expire five (5) years from the date of issuance. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted. [District Rule 3.8, §302.15]

G. Payment of Fees

G.1 An owner or operator shall pay the appropriate Title V permit fees on schedule. If fees are not paid on schedule, the permit is forfeited. Operation without a permit subjects the source to potential enforcement action by the District and the U.S. EPA pursuant to Section 502(a) of the CAA. [District Rule 3.8, §302.16]

H. Permit Revision Exemption

H.1 No permit revision shall be required under any approved economic incentives, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in the permit. [District Rule 3.8, §302.22]

I. Application Requirements

I.1 An owner or operator shall submit a standard District application for renewal of the Title V permit, no earlier than 18 months and no later than six months before the expiration date of the current permit to operate. [District Rule 3.8, §402.2]

I.2 An owner or operator shall submit a standard District application for each emissions unit affected by a proposed permit revision that qualifies as a significant Title V permit modification. The application shall be submitted after obtaining any required preconstruction permits. Upon request by the APCO, the owner or operator shall submit copies of the latest preconstruction permit for each affected emissions unit. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. [District Rule 3.8, §402.3]

I.3 An owner or operator shall submit a standard District application for each emissions unit affected by the proposed permit revision that qualifies as a minor permit modification. The application shall be submitted after obtaining any required preconstruction permits. The emissions unit(s) shall not commence operation until the APCO approves the permit revision. In the application, the owner

or operator shall include the following:

a. A description of the proposed permit revision, any change in emissions, and additional applicable federal requirements that will apply;
b. Proposed permit terms and conditions; and
c. A certification by a responsible official that the permit revision meets criteria for use of minor permit modification procedures and a request that such procedures be used. [District Rule 3.8, §402.4]

J. Permit Reopening for Cause

J.1 Circumstances that are cause for reopening and revision of a permit include, but are not limited to, the following:

a. The need to correct a material mistake or inaccurate statement;
b. The need to revise or revoke a permit to operate to assure compliance with applicable federal requirements;
c. The need to incorporate any new, revised, or additional applicable federal requirements, if the remaining authorized life of the permit is three (3) years or greater, no later than 18 months after the promulgation of such requirement (where less than three (3) years remain in the authorized life of the permit, the APCO shall incorporate the requirements into the permit to operate upon renewal); or
d. Additional requirements promulgated pursuant to Title IV as they become applicable to any acid rain unit governed by the permit. [District Rule 3.8, §413.1]

K. Recordkeeping

K.1 The permit holder shall record maintenance of all monitoring and support information required by any applicable federal requirement, including:

a. Date, place, and time of sampling;
b. Operating conditions at the time of sampling;
c. Date, place, and method of analysis; and
d. Results of the analysis. [District Rule 3.8, §302.6(a)]

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K.2 The permit holder shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of sample collection, measurement, report, or application. [District Rule 3.8, §302.6(b)]

L. Reporting Requirements

L.1 Any deviation from permit requirements, including that attributable to upset conditions (as defined in the permit), shall be promptly reported to the APCO. For the purpose of this condition prompt means as soon as reasonably possible, but no later than 10 days after detection. [District Rule 3.8, §302.7(a)]

L.2 A semi-annual monitoring report shall be submitted at least once every six (6) consecutive calendar months and shall identify any deviation from permit requirements, including that previously reported to the APCO pursuant to Section 302.7(a) of Rule 3.8. The six (6) month periods shall be January 1 through June 30 and July 1 through December 31. The reports shall be

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submitted by July 30 and January 30 following each reporting period, respectively, unless otherwise approved in writing by the District.[District Rule 3.4, §409 and District 3.8, §302.7(b)]

L.3 All reports of deviation from permit requirements shall include the probable cause of the deviation and any preventive or corrective action taken. [District Rule 3.8, §302.7(c)]

L.4 Each monitoring report shall be accompanied by a written statement from the responsible official that certifies the truth, accuracy, and completeness of the report. [District Rule 3.8, §302.7(e)]