San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

APR 0 3 2014

Mr. Steven Sylvester
G-3 Enterprises - Label Division
2612 Crows Landing Road
Modesto, CA 95358

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # N-3309
Project # N-1140082

Dear Mr. Sylvester:

Enclosed for your review is the District's analysis of G-3 Enterprises - Label Division's application for the Federally Mandated Operating Permit for its operation at 2612 Crows Landing Road in Modesto, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Rupi Gill, Permit Services Manager, at (209) 557-6400.

Sincerely,

David Warner
Director of Permit Services

Enclosures

cc: Mike Tollstrup, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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San Joaquin Valley
Air Pollution Control District

Proposed Initial Title V Permit Evaluation
G-3 Enterprises - Label Division
N-3309

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INITIAL TITLE V PERMIT EVALUATION
GRAPHIC ARTS FACILITY

Engineer: Mark Schonhoff
Date: March 19, 2014

Facility Number:	N-3309
Facility Name:	G-3 Enterprises - Label Division
Mailing Address:	2612 Crows Landing Road Modesto, CA 95358
Contact Name:	Steven Sylvester
Telephone:	(209) 341-6804
Responsible Official:	John Kalal
Title:	VP - Manufacturing
Project Number:	N-1140082
Deemed Complete:	February 24, 2014

I. PROPOSAL

As required by District Rule 2520, G-3 Enterprises applied for a Title V operating permit. The existing permit will be reviewed and modified to reflect all applicable District and Federal rules.

The purpose of this evaluation is to provide the legal and factual basis for all applicable requirements and to determine if the facility will comply with these requirements.

II. FACILITY LOCATION

2612 Crows Landing Road
Modesto, CA

III. EQUIPMENT LISTING

N-3309-1-3

HEIDELBERG SPEEDMASTER OFFSET LITHOGRAPHIC 6-COLOR PRINTING PRESS, SERIAL NUMBER 72SP+L

N-3309-14-1

HEIDELBERG MODEL CD-74 8-COLOR OFFSET LITHOGRAPHIC PRINTING PRESS

N-3309-17-1

278 BHP CUMMINS MODEL NT380-IF DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

N-3309-20-1

FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408991)

N-3309-21-1

FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408993)

N-3309-22-1

GRAPHIC ARTS PRINTING OPERATION SERVED BY A MARK ANDY XP5000 FLEXOGRAPHIC PRINTING PRESS (SN 1459025)

N-3309-23-1

PRINTING PLATE MANUFACTURING OPERATION CONSISTING OF A DEGRAFF CONCEPTS 305P PLATE PROCESSOR AND A DEGRAFF CONCEPTS 305EDLF PLATE EXPOSURE LIGHT FINISHER AND DRYER

N-3309-24-1

GRAPHIC ARTS PRINTING OPERATION SERVED BY A 6-COLOR CMR MODEL RG101 500/6 GRAVURE TYPE PRINTING PRESS AND A 2.5 MMBTU/HR NATURAL GAS FIRED DRYING OVEN. THE PRESS AND THE DRYING OVEN ARE INSIDE OF AN ENCLOSURE THAT IS VENTED TO A CMM GROUP 08018 RTO-15000-M-95 REGENERATIVE THERMAL OXIDIZER.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant is requesting the use of the following model general permit template:

A. Template SJV-UM-0-3 Facility Wide Umbrella

The applicant has requested the utilization of template number SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

V. SCOPE OF EPA AND PUBLIC REVIEW

Certain segments of the proposed operating permit are based on model general permit templates that have been previously subjected to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA or public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for the model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V operating permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review:

Conditions 1 through 40 of the requirements for permit N-3309-0-1.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

District Rule 2201, New and Modified Stationary Source Review Rule (last amended April 21, 2011)

District Rule 2520, Federally Mandated Operating Permits (last amended June 21, 2001)

District Rule 4101, Visible Emissions (last amended February 17, 2005)

District Rule 4201, Particulate Matter Concentration
(last amended December 17, 1992)

District Rule 4351, Boilers, Steam Generators and Process heaters – Phase 1
(last amended August 21, 2003)

District Rule 4305, Boilers, Steam Generators and Process heaters – Phase 2
(last amended August 21, 2003)

District Rule 4306, Boilers, Steam Generators and Process heaters – Phase 3
(last amended October 16, 2008)

District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators and Process Heaters Greater than 5.0 MMBtu/hr
(last amended October 16, 2008)

District Rule 4308, Boilers, Steam Generators and Process Heaters – 0.075 MMBtu/hr to less than 2.0 MMBtu/hr
(last amended December 17, 2009)

District Rule 4309, Dryers, Dehydrators and Ovens
(last amended December 15, 2005)

District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings
(last amended December 18, 2008)

District Rule 4701, Internal Combustion Engines – Phase I
(last amended August 21, 2003)

District Rule 4702, Internal Combustion Engines
(amended January 18, 2007 ⇒ November 14, 2013)

District Rule 4661, Organic Solvents
(last amended September 20, 2007)

District Rule 4801, Sulfur Compounds
(last amended December 17, 1992)

40 CFR Part 60 Subpart QQ, Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing

40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

40 CFR Part 63, Subpart KK, National Emission Standards for the Printing and Publishing Industry

40 CFR Part 63, Subpart JJJJ, National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating

40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

40 CFR Part 82 Subpart B, Stratospheric Ozone
(amended November 9, 2007 ⇒ amended June 25, 2013)

40 CFR Part 82 Subpart F, Stratospheric Ozone
(amended June 8, 2008 ⇒ amended June 25, 2013)

40 CFR Part 64, Compliance Assurance Monitoring (CAM)

VII. RULES NOT FEDERALLY ENFORECEABLE

District Rule 4102, Nuisance (amended December 17, 1992)

VIII. Permit Requirements

This section includes the Federally enforceable requirements. Clarification of equipment descriptions and the correction of typographical errors that do not change the meaning of an equipment description or condition will be made but not be discussed.

District 1081, Source Sampling
(last amended December 16, 1993)

The purpose of this rule is to ensure that any source operation that emits or may emit air contaminants provides adequate and safe facilities for use during emission sampling. This rule also specifies that the methods and procedures for source testing, sample collection and compliance determinations be on the PTO's.

New Title V Permit Number	Condition Numbers	Requirement	Basis
N-3309-24-1	27	Sampling Ports and Access	Section 3.0
	28	Sample Collection	Section 4.0
	26	Test Methods	Section 5.0
	29, 30	Test Procedures	Section 6.0
	25, 28	Administrative Requirements	Section 7.0

District Rule 2201, New and Modified Stationary Source Review Rule (last amended April 21, 2011)

The permit units listed on the following table were subject to a District NSR Rule upon application for Authority to Construct (ATC). In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting PTOs were addressed to define how NSR permit terms should be incorporated into the Title V permit.

New Title V Permit Number	Condition Numbers
N-3309-1-3	5, 9, 10, 13, 14, 15, 16, 17, 18
N-3309-14-1	5, 9, 10, 13, 14, 15, 16, 17, 18
N-3309-17-1	11
N-3309-20-1	4, 5, 6, 12, 13, 16, 18, 19, 20
N-3309-21-1	4, 5, 6, 12, 13, 16, 18, 19, 20
N-3309-22-1	5, 6, 7, 13, 14, 17, 19, 20, 21
N-3309-23-1	2, 3, 4, 5, 6, 7, 8, 9, 12, 13
N-3309-24-1	9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 33, 34, 35, 38

District Rule 2520, Federally Mandated Operating Permits (last amended June 21, 2001

General Umbrella Template SJV-UM-0-3 addresses this rule, therefore, no discussion is required.

Greenhouse Gas Discussion

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

District Rule 4201, Particulate Matter Concentration
(last amended December 17, 1992)

This rule limits the particulate matter concentration to 0.1 grains per dry standard cubic foot of exhaust flow.

N-3309-1-3, N-3309-14-1, N-3309-20-1, N-3309-21-1, N-3309-22-1 and N-3309-23-1:

These units do not have particulate matter emissions, therefore, no rule applicability analysis is required.

N-3309-17-1 and N-3309-24-1:

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-17-1 N-3309-24-1	2 2	Limit the Particulate Matter Concentration	Section 3.0

District Rule 4351, Boilers, Steam Generators and Process heaters – Phase 1
(last amended August 21, 2003)

District Rule 4305, Boilers, Steam Generators and Process heaters – Phase 2
(last amended August 21, 2003)

District Rule 4306, Boilers, Steam Generators and Process heaters – Phase 3
(last amended October 16, 2008)

District Rule 4307, Boilers, Steam Generators and Process Heaters – 0.075 MMBtu/hr to less than 2.0 MMBtu/hr
(last amended December 17, 2009)

District Rule 4308, Boilers, Steam Generators and Process Heaters – 0.075 MMBtu/hr to less than 2.0 MMBtu/hr
(last amended December 17, 2009)

District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators and Process Heaters Greater than 5.0 MMBtu/hr
(last amended October 16, 2008)

Unit N-3309-24 includes a 2.5 MMBtu/hr natural gas fired tunnel drier. Such units are excluded from the definition of Process Heater, therefore, the rules listed above do not apply.

District Rule 4309, Dryers, Dehydrators and Ovens
(last amended December 15, 2005)

Permit unit N-3309-24 includes 2.5 MMBtu/hr natural gas fired tunnel drier. This rule applies only to dryers rated at 5.0 MMBtu/hr or more, therefore, it does not apply.

District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-1-3	4	VOC content limits (non-flexographic specialty inks, adhesives and coatings)	Sect 5.1 (table 1)
N-3309-14-1	4		Sect 5.1 (table 1)
N-3309-20-1	5, 6		Sect 5.1 (table 1)
N-3309-21-1	5, 6		Sect 5.1 (table 1)
N-3309-22-1	6, 7		Sect 5.1 (table 1)
N-3309-24-1	N/A		N/A – Note 1
N-3309-1-3	5	VOC content limits (Fountain solution)	Sect 5.1 (table 2)
N-3309-14-1	5		Sect 5.1 (table 2)
N-3309-20-1	7		Sect 5.1 (table 2)
N-3309-21-1	7		Sect 5.1 (table 2)
N-3309-22-1	8		Sect 5.1 (table 2)
N-3309-24-1	N/A		N/A – Note 1
N-3309-20-1	5,6	VOC content limits (flexographic specialty inks)	Sect 5.2.1
N-3309-21-1	5,6		
N-3309-22-1	6,7		
N-3309-20-1	8	Flexographic specialty ink use rate	Sect 5.2.1
N-3309-21-1	8		
N-3309-22-1	9		
N-3309-1 N-3309-14	N/A	Cold web offset lithographic fountain solution requirements	N/A – the units are sheet-fed units
All	N/A	VOC content limits (paper, film, foil or fabric coating operations)	Sect 5.5 – Note 2
Continued – Next Page			

Note 1: This unit includes an emission control system that complies with section 5.6.2 of this rule. Such units are not subject to the VOC content limits of Tables 1 and 2.

Note 2: The coatings applied are applied in association with printing operations. Therefore, the operations are Graphic Arts Printing Operations subject to section 5.1 (they are not paper, film, foil or fabric coating operations subject to section 5.5).

District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings - continued
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-24-1	9	Emission Control System Capture and Control Requirement	Sect 5.6.2
	10	Thermal Oxidizer Minimum Temperature Requirement	Sect 5.6.2
N-3309-1-3 N-3309-14-1 N-3309-20-1 N-3309-21-1 N-3309-22-1 N-3309-24-1	2 2 2 2 3 4	Coating application equipment	Sect 5.7 – note 3
N-3309-1-3 N-3309-14-1 N-3309-20-1 N-3309-21-1 N-3309-22-1 N-3309-24-1	6 6 9 9 10 6	VOC content limits (solvents)	Sect 5.8.1 (table 7)
N-3309-1-3 N-3309-14-1 N-3309-20-1 N-3309-21-1 N-3309-22-1 N-3309-24-1	7 7 10 10 11 7	Solvent atomization restriction	Sect 5.8.4
N-3309-20-1 N-3309-21-1 N-3309-22-1	9 9 10	Solvent cleaning methods for specialty flexographic operations	Sect 5.8.2, 5.8.3

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Note 3: Section 5.7 of this rule allows several coating application methods. However, since the permits do not allow particulate matter emissions from graphic arts material application, the spray methods allowed by section 5.7 of the rule will not be allowed by the permits.

District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings - continued
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-1-3 N-3309-14-1 N-3309-20-1 N-3309-21-1 N-3309-22-1 N-3309-24-1	8 8 11 11 12 8	Organic solvent storage and disposal	Sect 5.9
N-3309-1-3 N-3309-14-1 N-3309-20-1 N-3309-21-1 N-3309-22-1 N-3309-24-1	3 3 3 3 4 5	Work practices	Sect 5.10
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District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings - continued
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
		Record keeping	
	18	Record retention duration	Sect 6.1
	11	Material list	Sect 6.1.1
	12, 13	Monthly ink use records	Sect 6.1.2.1
N-3309-1-3 N-3309-14-1	13	Monthly coating adhesive, wash primer and solvent usage	Sect 6.1.2.2
	14	Monthly fountain solution usage	Sect 6.1.2.3
	N/A	Daily non-compliant material usage	Sect 6.1.3 (use of non-compliant materials is not permitted)
		Record keeping	
	20	Record retention duration	Sect 6.1
	14	Material list	Sect 6.1.1
	15, 16	Monthly ink use records	Sect 6.1.2.1
N-3309-20-1 N-3309-21-1	16	Monthly coating adhesive, wash primer and solvent usage	Sect 6.1.2.2
	17	Monthly fountain solution usage	Sect 6.1.2.3
	N/A	Daily non-compliant material usage	Sect 6.1.3 (use of non-compliant materials is not permitted)
	16	Daily specialty flexographic ink usage	Sect 6.1.4

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District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings - continued
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-22-1		Record keeping	
	21	Record retention duration	Sect 6.1
	15	Material list	Sect 6.1.1
	17	Monthly ink use records	Sect 6.1.2.1
	16, 17	Monthly coating adhesive, wash primer and solvent usage	Sect 6.1.2.2
	18	Monthly fountain solution usage	Sect 6.1.2.3
	N/A	Daily non-compliant material usage	Sect 6.1.3 (use of non-compliant materials is not permitted)
	17	Daily specialty flexographic ink usage	Sect 6.1.4
Continued – Next Page			

District Rule 4607, Graphic Arts and Paper, Film, Foil and Fabric Coatings - continued
(last amended December 18, 2008)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-24-1		Record keeping	
	38	Record retention duration	Sect 6.1
	31	Material list	Sect 6.1.1
	32, 33	Monthly ink use records	Sect 6.1.2.1
	33	Monthly coating adhesive, wash primer and solvent usage	Sect 6.1.2.2
	34	Monthly fountain solution usage	Sect 6.1.2.3
	36	Daily non-compliant material usage	Sect 6.1.3 – Note 4
	23	Continuous Monitoring of Emission Control System Combustion Chamber Temperature	Sect 6.1.5
	24	Source Testing for Emission Control System Efficiency	Sect 6.4
	26	Source Test Methods	Sect 6.4
	37	Records of Emission Control System Combustion Temperature	Sect 6.1.5
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Note 4: The use of materials that do not meet the VOC content limits of this rule is allowed because an emission control system that meets the requirements of Section 5.6 of this rule is in use.

District Rule 4661, Organic Solvents
(last amended September 20, 2007)

N-3309-1-3, N-3309-14-1, N-3309-17-1, N-3309-20-1, N-3309-21-1, N-3309-22-1 and N-3309-24-1:

These units are subject to District Rule 4607 (Graphic Arts and Paper, Film, Foil and Fabric Coatings) and are therefore exempt from Rule 4661 per section 4.2.7.

N-3309-23-1 (Printing Plate Manufacturing Operation)

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-23-1	N/A – Note 1	VOC emission limit	Sect 5.8
	N/A – Note 1	Organic solvent cleaning, storage and disposal	Sect 5.10
		Record keeping	
	10	Materials list	Sect 6.1.2.1
	11	Daily material usage	Sect 6.1.2.2
	13	Record retention duration	Sect 6.1.4

Note 1: Section 5.10 of this rule states that compliance with Rule 4663 is required when performing organic solvent cleaning and storage and disposal of organic solvents, waste solvents, coatings, adhesives, catalysts and thinners. Coatings, adhesives, catalysts and thinners are not used in this operation and the materials used do not meet the Rule 4663 definition of "Solvent". Therefore, this requirement does not apply.

District Rule 4701, Internal Combustion Engines – Phase 1
(last amended August 21, 2003)

New Title V Permit Number	Condition Numbers	Requirement	Basis
N-3309-17-1	12	Exemption for standby engines (not exempt from the administrative requirements) – Hour Limit	Sect. 4.2.1 & 3.22
	N/A	Administrative Requirements Emission Control Plan (ECP) (not subject to an ECP because it is not subject to a section 5.1 emission limit)	6.1
	15	Record Keeping	Sect. 6.2.2
	18	Record keeping duration	Sect 6.2.3

District Rule 4702, Internal Combustion Engines
(amended January 18, 2007 ⇒ August 18, 2011)

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion engine with a rated brake horsepower greater than 25 horsepower.

Current District Rule 4702 (amended 8/18/11) has not been SIP approved. Attachment C contains the streamlining comparison of the SIP approved District Rule 4702 (1/18/07) to the current District Rule 4702 to show the current rule is as stringent, if not more stringent, than the SIP approved version.

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-17-1	5	Proper Engine Operation	Sect 4.2 & 5.9.2
	6	Monitoring of operational characteristics	Sect 4.2 & 5.9.3
	4	Non resettable elapsed time meter	Sect 4.2 & 5.9.4
	12	Hours of operation limit	Sect 3.15 & 4.3
	15	Record Keeping	Sect 6.2.3
	18	Record Retention Duration	Sect 6.2.3

District Rule 4801, Sulfur Compounds
(last amended December 17, 1992)

This rule is applicable to units that emit sulfur compounds. The fuel fired equipment at this facility is expected to emit sulfur compounds. District Rule 4801 was last amended on December 17, 1992, and has been submitted to the EPA to replace San Joaquin County Rule 407 in the SIP. This District Rule is at least as stringent as the county rule, as demonstrated by the following comparison:

Comparison of District Rule 4801 and Stanislaus County Rule 407		
REQUIREMENT	Rule 4801	Rule 407
A person shall not discharge into the atmosphere sulfur compounds exceeding in concentration at the point of discharge 0.2 percent by volume calculated as sulfur dioxide on a dry basis averaged over 15 consecutive minutes.	✓	✓
EPA Method 8 and ARB Method 1-100 shall be used to determine such emissions.	✓	

Compliance Determination:

While burning natural gas, the use of PUC quality natural gas is required. The maximum allowable sulfur content of such fuel is 5 gr/100 scf (equivalent to a SOx emission rate of 0.00285 lb/MMBtu – District Policy APR-1720). Therefore, while firing on natural gas, compliance with this rule will be met.

New Title V Permit Number	Condition Number	Requirement	Basis
N-3309-17-1 N-3309-24-1	3 3	Limit the sulfur compound emissions, as SO_2, to 2000 ppmv (equivalent to 0.2% by volume)	Section 3.1

40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

N-3309-17-1 (278 bhp diesel fired emergency fire pump)

The unit was installed in 1971 and per Section 60.4200(a)(1)(ii) such fire pump engines must meet the requirements of Table 3 of this subpart. Per Table 3, there are no requirements for engines of this rating that are older than model year 2009.

40 CFR Part 63, Subpart KK, National Emission Standards for the Printing and Publishing Industry

§63.820 Applicability

This facility has establish itself as an area source of HAP emissions by limiting its HAP potential to emit (Condition 41 of Permit N-3309-0-1), as described in §63.820(a)(2). Pursuant to §63.820(a)(3), area sources are only subject to the provisions of §63.829(d) and §63.830(b)(1) of this subpart.

§63.829(d) states that the owner or operator must keep records of all required measurements and calculations needed to demonstrate compliance with the HAP emission limit.

§63.830(b)(1) requires the facility to submit an initial notification to the District. The Initial TV permit application includes the data required by the notification; therefore, this requirement has been satisfied.

The following conditions will be included on the new Title V permits. Refer to the table below for the condition numbers on a permit basis:

Total stationary source emissions shall not exceed 10 tons in any rolling-12 month period of any single hazardous air pollutant (HAP) (as defined in 40 CFR 63.2) and 25 tons in any rolling-12 month period of any combination of HAPs. [District Rule 4002 and 40 CFR 63 Subpart KK]

The operator shall maintain records of the emissions of each individual HAP and of the combined HAP emissions. The records shall be kept on a rolling 12-month basis and shall be updated at least monthly. District approved estimating techniques shall be used to determine the HAP emissions. The monthly records shall include records of all required measurements and calculations necessary to demonstrate compliance, including the mass of all HAP containing materials used and the mass fraction of each HAP present in each HAP containing material. [District Rule 4002 and 40 CFR Part 63 Subpart KK] Y

New Title V Permit Number	Condition #	Requirement	Basis
N-3309-0-1	41	HAP emission limit	40 CFR Part 63.820(a)(3)
N-3309-0-1	42	HAP emission records	40 CFR Part 63.829(d)

40 CFR Part 60 Subpart QQ, Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing

This subpart applies to publication rotogravure printing.

N-3309-1-3, N-3309-14-1, N-3309-17-1, N-3309-20-1, N-3309-21-1, N-3309-22-1 and N-3309-23-1:

None of these units is rotogravure printing unit, therefore, they are not subject to this rule.

N-3309-24-1:

This unit is a rotogravure printing press. However, the facility prints only labels and therefore does not engage in printing activities that meet the definition of Publication Rotogravure Printing. Since Publication Rotogravure Printing is not performed, this rule does not apply. The definition is shown below for reference.

Publication rotogravure printing press means any number of rotogravure printing units capable of printing simultaneously on the same continuous web or substrate and includes any associated device for continuously cutting and folding the printed web, where the following saleable paper products are printed:

Catalogues, including mail order and premium,

Direct mail advertisements, including circulars, letters, pamphlets, cards, and printed envelopes,

Display advertisements, including general posters, outdoor advertisements, car cards, window posters; counter and floor displays; point-of-purchase, and other printed display material,

Magazines,

Miscellaneous advertisements, including brochures, pamphlets, catalogue sheets, circular folders, announcements, package inserts, book jackets, market circulars, magazine inserts, and shopping news,

Newspapers, magazine and comic supplements for newspapers, and preprinted newspaper inserts, including hi-fi and spectacolor rolls and sections,

Periodicals, and

Telephone and other directories, including business reference services.

40 CFR Part 63, Subpart JJJJ, National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating

Per section 63.3290, this subpart applies only to Major HAP sources as defined in Section 63.2. It was determined during the processing of the application for Authority-to-Construct N-3309-24-0 (Project N-1121433) that the facility is not currently a major HAP source. Since this facility is not a Major HAP source, this subpart does not apply.

40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Emissions (RICE)

N-3309-17-1 (278 bhp diesel fired emergency fire pump)

The unit is an existing RICE located at an Area Source of HAP emissions and it was installed prior to June 12, 2006. Such engines are subject units per section 63.6590(a)(1)(iii).

New Title V Permit #	Description	Condition #	Requirement	Basis
N-3309-17-1	278 bhp diesel fired emergency fie pump		Comply with the applicable requirements of table 2d	63.6603(a)
		7	Change oil and filter every 500 hours of operation or annually, whichever comes first	Table 2d (category 4) – note 1
		8	Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary	Table 2d (category 4) – note 1
		9	Inspect all belts and hoses every 500 hours of operation or annually, whichever comes first, and replace as necessary	Table 2d (category 4) – note 1

Note 1: The maintenance conditions will include the following wording, which is from footnote 2 of Table 2d:

If the unit is operating during an emergency and it is not possible to shut it down in order to perform this maintenance, or if performing the maintenance on the required schedule would otherwise pose an unacceptable risk under federal, state or local law, it may be delayed until the emergency is over or the unacceptable risk under federal, state or local law is abated. The maintenance shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state or local law has abated. The operator shall report any failure to perform the required maintenance on the schedule required. The report shall include the federal, state or local law under which the risk was deemed unacceptable.

40 CFR 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Emissions (RICE) - Continued

New Title V Permit #	Description	Condition #	Requirement	Basis
N-3309-17-1	278 bhp diesel fired emergency fire pump	N/A	Fuel Requirements: This requirement does not come into effect until 1/1/2015	63.6604
		5	Operate the units in a manner consistent with safety and good air pollution control practices for minimizing emissions	63.6625(e)(3)
		5	Require that the engine and after-treatment control devices (if any) be operated and maintained in accordance with manufacturer's emission related written instructions Or Develop and follow 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	63.6625(e)(3) & Table 6 (Sect 9)
		4	Require a non-resettable hour meter	63.6625(f)
		10	Idle time limit	63.6625(h)
		12	Limit non-emergency operation to 100 hr/yr	63.6640(f)(2)(i)
		17	Inspection & maintenance records	63.6655(e)(2)
		15	Operating time records	63.6655(f)

40 CFR Part 64, Compliance Assurance Monitoring (CAM)

For a unit to be subject to CAM, all of the following must be true:

1. The facility must be a Major Source
2. The unit must have an emission limit that is complied with utilizing a control device
3. The uncontrolled emissions from the unit must be in excess of the Major Source threshold.

Only unit N-3309-24 utilizes a control device to comply with an emission limit and that device controls only VOC. Therefore, CAM must be addressed only for VOC.

N-3309-24-1 (Printing Operation Served by a Thermal Oxidizer)

As shown in the Application Review document for the original permitting action for this unit, the potential to emit of VOC from the press is 33,937 lb/yr. Since the uncontrolled VOC emissions are equal to or greater than the Major Source threshold of 20,000 lb/yr and since an emission control device is used to meet the VOC emission limit, CAM will be required. Sections 64.5(a) and 64.5(b) of 40 CFR Part 64 will be examined to determine the CAM deadline.

Section 64.5(a) – Large Pollutant-Specific Emission Units:

The deadline specified in this section applies to emission units whose controlled and uncontrolled emissions are equal to or greater than the applicable Major Source threshold. Both the controlled and uncontrolled potential VOC emissions are in excess of the Major Source threshold, therefore, the CAM deadline specified in this section applies. Per section 64.5(a)(1)(i), CAM is required at the time the initial Title V permit is issued. CAM requirements will therefore be included on the permit at this time.

Section 64.5(b) – Other Pollutant-Specific Emission Units:

The deadline specified in this section applies to emission units whose uncontrolled emissions are equal to or greater than the applicable Major Source threshold but their controlled emissions are not. Since both the controlled and uncontrolled VOC emissions are equal to or greater than the Major Source threshold, this section does not apply.

CAM requirements:

The VOC emission limit was determined by direct calculation, using the maximum material usages and actual VOC contents and then applying a 98% by weight thermal oxidizer VOC control rate.

The thermal oxidizer is equipped with a continuous temperature monitoring and recording device - and the combustion chamber temperature set point is required to be maintained at at least the temperature at which 98% control was demonstrated by source testing. This minimum temperature in combination with the continuous combustion chamber temperature monitoring and recording is acceptable for use as CAM. The following conditions will be utilized to enforce CAM requirements:

New Title V Condition Number	Requirements	Basis
9	98% VOC Control Requirement	40 CFR part 64.3(a)(2)
10	Minimum thermal oxidizer combustion chamber temperature requirement	40 CFR part 64.3(a)(2)
23	Continuous monitoring and recording of combustion chamber temperature.	40 CFR part 64.3(a)(1)
38	Record keeping duration	40 CFR part 64.9(b) & 70.6(a)(3)(ii)(B)

Non-Federally Enforceable Rules:

District Rule 4102, Nuisance (amended December 17, 1992)

Any permit conditions attributable solely to these rules will be identified as non-Federally enforceable.

IX. Permit Shields

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Permit to Operate is considered compliance with all applicable requirements upon which those conditions are based.

A. Requirements addressed by Model General Permit Templates

1. Model General Permit Template SJV-UM-03

The facility submitted a Title V General Permit Template Qualification form for the use of Facility-Wide Umbrella General Permit Template SJV-UM-0-3. Therefore, the permit shields granted in General Permit Template SJV-UM-03 are included as conditions 39 and 40 of permit N-3852-0-1.

B. Permit Shield Requirements Not Addressed by Model General Permit Templates

1. None.

X. Permit Conditions

See Appendix A – Draft Initial Title V Operating Permit

XI. Appendices

Appendix A: Draft Initial Title V Operating Permit
Appendix B: Detailed Facility List
Appendix C: Rule 4702 Streamlining Comparison

Appendix A
Draft Initial Title V Operating Permit

San Joaquin Valley
Air Pollution Control District

FACILITY: N-3309-0-1 **EXPIRATION DATE:** 10/31/2014

FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit

11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit

12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit

13. {4374} It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit

14. {4375} The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit

15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit

16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit

17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit

18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit

19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit

20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit

21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit

24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit

25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit

26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit

27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit

28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee 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. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit

29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit

30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit

31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit

32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit

33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit

35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit

37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit

38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit

39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

40. {4401} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

41. The facility-wide emissions of hazardous air pollutants (HAPs) shall not exceed 10 tons in any rolling 12-month period of any single HAP (as defined in 40 CFR 63.2) and 25 tons in any rolling 12-month period of any combination of HAPs. [District Rule 4002 and 40 CFR Part 63 Subpart KK] Federally Enforceable Through Title V Permit

42. The operator shall maintain records of the emissions of each individual HAP and of the combined HAP emissions. The records shall be kept on a rolling 12-month basis and shall be updated at least monthly. District approved estimating techniques shall be used to determine the HAP emissions. The monthly records shall include records of all required measurements and calculations necessary to demonstrate compliance, including the mass of all HAP containing materials used and the mass fraction of each HAP present in each HAP containing material. [District Rule 4002 and 40 CFR Part 63 Subpart KK] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

43. On MM/DD/Year, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-1-3 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
HEIDELBERG SPEEDMASTER OFFSET LITHOGRAPHIC 6-COLOR PRINTING PRESS, SERIAL NUMBER 72SP+L

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
3. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
4. Except as otherwise specified in this permit, the VOC content of the materials used shall not exceed: Inks and coatings; 2.5 lb/gal (less water and exempt compounds); Adhesives; 1.25 lb/gal (less water and exempt compounds). [District Rule 4607] Federally Enforceable Through Title V Permit
5. For high end graphics, the VOC content shall be less than 30% VOC by weight for inks (less water and exempt compounds) and less than 5% by volume for fountain solutions. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
6. The VOC content of solvents used shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit
7. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
8. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The VOC emissions from this unit shall not exceed 118.3 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

10. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit
12. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
14. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
15. A record of the VOC content of inks used for high end graphics, in percent by weight, less water and exempt compounds, shall be kept. [District Rule 2201] Federally Enforceable Through Title V Permit
16. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
17. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
18. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-14-1

EXPIRATION DATE: 10/31/2014

EQUIPMENT DESCRIPTION:
HEIDELBERG MODEL CD-74 8-COLOR OFFSET LITHOGRAPHIC PRINTING PRESS

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
3. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
4. Except as otherwise specified in this permit, the VOC content of the materials used shall not exceed: Inks and coatings; 2.5 lb/gal (less water and exempt compounds); Adhesives; 1.25 lb/gal (less water and exempt compounds). [District Rule 4607] Federally Enforceable Through Title V Permit
5. For high end graphics, the VOC content shall be less than 30% VOC by weight for inks (less water and exempt compounds) and less than 5% by volume for fountain solutions. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The VOC content of solvents used shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit
7. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
8. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The VOC emissions from this unit shall not exceed 142.3 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

10. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit

11. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit

12. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit

13. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

14. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

15. A record of the VOC content of inks used for high end graphics, in percent by weight, less water and exempt compounds, shall be kept. [District Rule 2201] Federally Enforceable Through Title V Permit

16. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit

17. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit

18. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-17-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
278 BHP CUMMINS MODEL NT380-IF DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rules 4701 and 4702 and 17 CCR 93115 and 40 CFR Part 63.6625(h)] Federally Enforceable Through Title V Permit
5. The engine shall be operated and maintained in accordance with the manufacturer's emission related written instructions and in a manner consistent with safety and good air pollution control practice for minimizing emissions. Alternatively, the facility may develop and implement a plan that provides maintenance that is consistent with good air pollution control practice for minimizing emissions. [District Rule 4702 and 40 CFR Parts 63.6605(b) and 63.6625(e)(3) and 40 CFR Part 63 Subpart ZZZZ Table 6] Federally Enforceable Through Title V Permit
6. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
7. The motor oil and the motor oil filter shall be changed at least every 500 hours of operation or annually, whichever comes first. Alternatively, an oil analysis program as described in 40 CFR 63.6625(i) may be used to extended the specified oil change requirement. If the unit is operating during an emergency and it is not possible to shut it down in order to perform this maintenance, or if performing the maintenance on the required schedule would otherwise pose an unacceptable risk under federal, state or local law, it may be delayed until the emergency is over or the unacceptable risk under federal, state or local law is abated. The maintenance shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state or local law has abated. The operator shall report any failure to perform the required maintenance on the schedule required. The report shall include the federal, state or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

8. The air cleaner shall be inspected at least once every 1,000 hours or annually, whichever comes first, and replaced as necessary. If the unit is operating during an emergency and it is not possible to shut it down in order to perform this maintenance, or if performing the maintenance on the required schedule would otherwise pose an unacceptable risk under federal, state or local law, it may be delayed until the emergency is over or the unacceptable risk under federal, state or local law is abated. The maintenance shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state or local law has abated. The operator shall report any failure to perform the required maintenance on the schedule required. The report shall include the federal, state or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit

9. All belts and hoses shall be inspected at least once every 500 hours of operation or annually, whichever comes first, and replaced as necessary. If the unit is operating during an emergency and it is not possible to shut it down in order to perform this maintenance, or if performing the maintenance on the required schedule would otherwise pose an unacceptable risk under federal, state or local law, it may be delayed until the emergency is over or the unacceptable risk under federal, state or local law is abated. The maintenance shall be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state or local law has abated. The operator shall report any failure to perform the required maintenance on the schedule required. The report shall include the federal, state or local law under which the risk was deemed unacceptable. [40 CFR Part 63 Subpart ZZZZ - Table 2d] Federally Enforceable Through Title V Permit

10. The operator shall minimize the engine's time spent at idle during start-up and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63.6625(h)]

11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit

12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rules 4701 and 4702 and 17 CCR 93115 and 40 CFR Part 60.6640(f)(2)(i)] Federally Enforceable Through Title V Permit

13. If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115] Federally Enforceable Through Title V Permit

14. If this engine is located on the grounds of a K-12 school, it shall not be operated for non-emergency purposes, including maintenance and testing, whenever there is a school sponsored activity. [17 CCR 93115] Federally Enforceable Through Title V Permit

15. The permittee shall maintain monthly operating records. The records shall include the following information: (1) total hours of operation; (2) Type of fuel used; (3) purpose of operation (for example: load testing, weekly testing, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 4701, 4702 and 17 CCR 93115 and 40 CFR Part 63.6655(f)] Federally Enforceable Through Title V Permit

16. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit

17. The facility shall maintain records of all inspections and maintenance of the engine. [40 CFR Part 63.6655(e)(2)] Federally Enforceable Through Title V Permit

18. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-20-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408991)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
3. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
4. Only UV curable inks and coatings shall be utilized. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the inks used shall not exceed 0.031 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
6. The VOC content of the coatings used shall not exceed 0.07 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The VOC content of fountain solutions shall not exceed 8.0 percent by volume. [District Rule 4607] Federally Enforceable Through Title V Permit
8. The use of specialty inks, as defined in District Rule 4607, shall not exceed 2 gallons in a calendar day and 120 gallons in a calendar year. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The VOC content of solvents used shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit
10. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

11. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
12. VOC emissions from this unit shall not exceed 8.5 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit
15. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit
16. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. Separate records for specialty inks and non-specialty inks shall be kept. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
17. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607] Federally Enforceable Through Title V Permit
18. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
19. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-21-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408993)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
3. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
4. Only UV curable inks and coatings shall be utilized. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The VOC content of the inks used shall not exceed 0.031 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
6. The VOC content of the coatings used shall not exceed 0.07 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The VOC content of fountain solutions shall not exceed 8.0 percent by volume. [District Rule 4607] Federally Enforceable Through Title V Permit
8. The use of specialty inks, as defined in District Rule 4607, shall not exceed 2 gallons in a calendar day and 120 gallons in a calendar year. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The VOC content of solvents used shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit
10. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

11. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
12. VOC emissions from this unit shall not exceed 8.5 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit
15. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit
16. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. Separate records for specialty inks and non-specialty inks shall be kept. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
17. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607] Federally Enforceable Through Title V Permit
18. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
19. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-22-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
GRAPHIC ARTS PRINTING OPERATION SERVED BY A MARK ANDY XP5000 FLEXOGRAPHIC PRINTING PRESS (SN 1459025)

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
4. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
5. Only UV curable inks and coatings shall be utilized. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The VOC content of the inks used shall not exceed 0.031 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
7. The VOC content of the coatings used shall not exceed 0.07 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
8. The VOC content of fountain solutions shall not exceed 8.0 percent by volume. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The use of specialty inks, as defined in District Rule 4607, shall not exceed 2 gallons in a calendar day and 120 gallons in a calendar year. [District Rule 4607] Federally Enforceable Through Title V Permit
10. The VOC content of solvents used shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

11. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
12. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. VOC emissions from this unit shall not exceed 8.5 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit
16. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit
17. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. Separate records for specialty inks and non-specialty inks shall be kept. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
18. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607] Federally Enforceable Through Title V Permit
19. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
20. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
21. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-23-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
PRINTING PLATE MANUFACTURING OPERATION CONSISTING OF A DEGRAFF CONCEPTS 305P PLATE PROCESSOR AND A DEGRAFF CONCEPTS 305EDLF PLATE EXPOSURE LIGHT FINISHER AND DRYER

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. The VOC content of the processor solvents used shall not exceed 7.3 lb/gal (less water and exempt compounds). [District Rule 2201] Federally Enforceable Through Title V Permit
3. The VOC emissions from the processor shall not exceed 0.019 lb per square foot of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The VOC emissions from the dryer shall not exceed 0.025 lb per square foot of material throughput. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The material throughput shall not exceed 360 square feet during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23, on a rolling 12-month basis, shall not exceed 35,933 pounds. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The operator shall store and dispose of fresh and spent solvents and waste solvent cleaning materials such as cloth, paper, etc. in closed, non-absorbent and non-leaking containers. The containers shall remain closed at all times except when depositing or removing material or when it is empty. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The operator shall keep a daily record of the number of square feet of material processed. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The operator shall keep records of the VOC content of the processor solvents used (less water and exempt compounds). The records shall include the product ID and the VOC content, less water and exempt compounds. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The operator shall maintain and have available on site, a current list of materials in use that provides all of the data necessary to evaluate compliance, including the following information as applicable: (1) specific manufacturer's name of solvent-containing material, including solvents, catalysts and thinners; (2) VOC content of each solvent-containing material, as used, in g/l or lb/gal. [District Rule 4661] Federally Enforceable Through Title V Permit
11. The operator shall keep daily usage records that include the following information; (1) material name, (2) volume of material used (gallons), (3) specific solvents, catalysts and thinners added to the materials, (4) volume of each solvent, catalyst and thinner added (gallons), (5) when the material is a mixture of different materials that are blended by the operator, the mix ratio of the batch shall be recorded and the VOC content of the batch shall be calculated and recorded in order to determine compliance with the VOC emission limits. [District Rule 4661] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

12. A record of the combined VOC emissions from permit units N-3309-1, N-3309-14, N-3309-20, N-3309-21, N-3309-22 and N-3309-23 , on a rolling 12-month basis, shall be kept. The records shall be updated at least monthly. [District Rule 2201] Federally Enforceable Through Title V Permit

13. All records shall be retained for a period of at least 5 years and shall be made available to APCO, ARB and EPA upon request. [District Rules 2201 and 4661] Federally Enforceable Through Title V Permit

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-3309-24-1 **EXPIRATION DATE:** 10/31/2014

EQUIPMENT DESCRIPTION:
GRAPHIC ARTS PRINTING OPERATION SERVED BY A 6-COLOR CMR MODEL RG101 500/6 GRAVURE TYPE PRINTING PRESS AND A 2.5 MMBTU/HR NATURAL GAS FIRED DRYING OVEN. THE PRESS AND THE DRYING OVEN ARE INSIDE OF AN ENCLOSURE THAT IS VENTED TO A CMM GROUP 08018 RTO-15000-M-95 REGENERATIVE THERMAL OXIDIZER.

PERMIT UNIT REQUIREMENTS

1. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Merced County Rule 407 and District Rule 4801] Federally Enforceable Through Title V Permit
4. Only flow coater, roll coater, dip coater, foam coater, die coater and hand application methods shall be used to apply coatings. [District Rule 4607] Federally Enforceable Through Title V Permit
5. The operator shall properly use and properly operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607] Federally Enforceable Through Title V Permit
6. The VOC content of solvents used outside of the VOC control system shall comply with Table 7 of District Rule 4607. If using solvents with VOC contents in excess of 25 g/l (0.21 lb/gal), cleaning shall be performed utilizing only the following methods: (1) wipe cleaning or, (2) application of solvent from hand-held bottles from which solvents are dispensed without a propellant-induced force or, (3) non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container or, (4) solvent flushing method in which the cleaning solvent is discharged into a container that 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 it into the open air. The solvent may be flushed through the system by air or hydraulic pressure or by pumping. [District Rule 4607] Federally Enforceable Through Title V Permit
7. Solvent shall not be atomized into the open air unless it is vented to a VOC control device that complies with section 5.6 of District Rule 4607. This provision shall not apply to printing operations where roller or blanket wash is applied automatically and the cleaning of nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with spray bottles or containers from which the solvents are dispensed with a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
8. The operator shall store and dispose of fresh and spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners and inks in closed, non-absorbent, non-leaking, self closing containers. The containers shall remain closed at all times except when depositing or removing their contents or when they are empty. [District Rule 4607] Federally Enforceable Through Title V Permit
9. The capture and control system shall provide at least 98% capture and control of the VOCs from the printing press and drier. [District Rules 2201 and 4607 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

10. The combustion chamber temperature of the regenerative thermal oxidizer (RTO) shall be maintained at at least 1,411 degrees F at all times that the printing press is in operation. [District Rules 2201 and 4607 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
11. The VOC emissions due to the use of graphic arts materials shall not exceed 135.8 pounds during anyone day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The VOC emissions shall not exceed 8,545 pounds during any one calendar quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The NOx emissions from the drier shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
14. The CO emissions from the drier shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
15. The VOC emissions from the drier shall not exceed 0.00011 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
16. The SOx emissions from the drier shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The PM10 emissions from the drier shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
18. The NOx emissions from the RTO shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The CO emissions from the RTO shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The VOC emissions from the RTO shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The SOx emissions from the RTO shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The PM10 emissions from the RTO shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The RTO shall be equipped with a device that continuously monitors and records the temperature of the combustion chamber. The monitoring and recording device shall be in operation at all times that the RTO is in operation. [District Rules 2201 and 4607 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
24. Source testing to determine the VOC destruction efficiency of the RTO shall be conducted annually. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
25. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
26. The VOC control efficiency of the RTO shall be determined using EPA Test Methods 2, 2A or 2D for measuring flow rates and EPA test Methods 25, 25A or 25B for measuring total gaseous organic concentrations at the inlet and outlet of the oxidizer. EPA method 18 or ARB Method 22 shall be used to determine the emissions of exempt compounds. [District Rule 4607] Federally Enforceable Through Title V Permit
27. Sampling facilities for source testing shall be provided in accordance with the provisions of Rule 1081 (Source Sampling). [District Rule 1081] Federally Enforceable Through Title V Permit
28. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

29. All emissions measurements shall be made with the equipment operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 1081] Federally Enforceable Through Title V Permit

30. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rule 1081] Federally Enforceable Through Title V Permit

31. The operator shall maintain a current file documenting the coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. The file shall include a material safety data sheet or product data sheet for each material showing the material name, manufacturer's name, VOC content as applied, specific mixing instructions and density. [District Rule 4607] Federally Enforceable Through Title V Permit

32. The operator shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods; (1) group the quantity of all inks used and identify the maximum VOC content and use the maximum density of 1,010 g/l (8.44 lb/gal), (2) report process inks and pantone inks separately and use specific VOC content and density values for each process ink, and the highest VOC content and the maximum density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (3) report process inks and pantone inks separately and use the maximum VOC content and minimum density value for both process and pantone inks, or use the density of 1,010 g/l (8.44 lb/gal) for pantone inks or, (4) itemize each ink and pantone ink and use the specific VOC content and density value for each. [District Rule 4607] Federally Enforceable Through Title V Permit

33. The operator shall record, on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer and solvent (including cleaning solvents) used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

34. The operator shall record, on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit

35. A record of the average daily VOC emissions from this unit, based on the monthly material usage records and the number of days of operation during that month, shall be kept. The record shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit

36. The operator shall record, on a daily basis, the amount of inks, coatings, adhesives, fountain solutions, wash primers and solvents (including non-compliant cleaning solvents) used that do not comply with the VOC content limits of Rule 4607. [District Rule 4607] Federally Enforceable Through Title V Permit

37. Permittee shall keep records of the RTO combustion chamber temperature. [District Rule 4607] Federally Enforceable Through Title V Permit

38. All records shall be maintained for a period of at least five years and shall be made available to the District, ARB and EPA upon request. [District Rules 2201 and 4607 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

Appendix B
Detailed Facility List

Detailed Facility Report

For Facility=3309
Sorted by Facility Name and Permit Number

G-3 ENTERPRISES, LABEL DIVISION
2612 CROWS LANDING RD
MODESTO, CA 95358-9400

FAC # N 3309
STATUS: A
TELEPHONE: 2093413082

TYPE: TitleV
TOXIC ID: 51477

EXPIRE ON: 10/31/2014
AREA: 5 /
INSP. DATE: 04/14

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-3309-1-2	123.6 hp	3020-01 D	1	314.00	314.00	A	HEIDELBERG SPEEDMASTER LITHOGRAPHIC 6-COLOR PRINTING PRESS, SERIAL NUMBER 72SP+L
N-3309-2-0	5.5 HP	3020-01 A	1	87.00	87.00	D	HEIDELBERG KORD LITHOGRAPHIC 1-COLOR PRINTING PRESS, S/N 358589 ** DELETED ON 4/22/99 PER APPLICANTS REQUEST **
N-3309-3-0	0.5 HP	3020-01 A	1	87.00	87.00	D	HAMADA 600 CD LITHOGRAPHIC PRINTING PRESS, S/N HR9771 ** DELETED ON 4/22/99 PER APPLICANTS REQUEST **
N-3309-4-0	0.75 HP	3020-01 A	1	87.00	87.00	D	MULTILITH 1250 LITHOGRAPHIC PRINTING PRESS, S/N CNS1821085 ** DELETED ON 4/22/99 PER APPLICANTS REQUEST **
N-3309-5-0	MISCELLANEOUS	3020-06	1	105.00	105.00	D	KODAK PLATE PROCESSOR S/N 1888
N-3309-9-0	MISCELLANEOUS	3020-06	1	105.00	105.00	D	LOGITECH FILM PROCESSOR S/N 141120
N-3309-10-0	MISCELLANEOUS	3020-06	1	105.00	105.00	D	ENCO CONTRACT PROOFING PROCESSOR S/N 2F2172
N-3309-14-0	240 hp	3020-01 E	1	412.00	412.00	A	HEIDELBERG MODEL CD-74 8-COLOR LITHOGRAPHIC PRINTING PRESS
N-3309-16-0	13 HP	3020-01 A	1	87.00	87.00	D	GALLUS MODEL EM280 11 UNIT FLEXOGRAPHIC PRINTING PRESS S/N 230404
N-3309-17-0	278 HP	3020-10 C	1	240.00	240.00	A	278 BHP CUMMINS MODEL NT380-IF DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP
N-3309-18-1	339 hp electric motor	3020-01 E	1	412.00	412.00	D	GRAPHIC ARTS OPERATION SERVED BY A GALLUS MODEL EM410S 12 UNIT FLEXOGRAPHIC PRINTING PRESS AND AN ELECTRIC HEATING ELEMENT
N-3309-19-0	20 hp electric motor	3020-01 A	1	87.00	87.00	D	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MARK ANDY MODEL XP5000 FLEXOGRAPHIC PRINTING PRESS WITH A UV DRYING SYSTEM (SERIAL NUMBER 1384478).
N-3309-20-0	20 hp	3020-01 A	1	87.00	87.00	A	FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408991)
N-3309-21-0	20 hp	3020-01 A	1	87.00	87.00	A	FLEXOGRAPHIC PRINTING OPERATION SERVED BY A 12-COLOR MARK ANDY XP-5000 PRESS (SN 1408993)
N-3309-22-0	20 horsepower	3020-01 A	1	87.00	87.00	A	GRAPHIC ARTS PRINTING OPERATION SERVED BY A MARK ANDY XP5000 FLEXOGRAPHIC PRINTING PRESS (SN 1459025)
N-3309-23-0	16 kVA	3020-03 A	1	87.00	87.00	A	PRINTING PLATE MANUFACTURING OPERATION CONSISTING OF A DEGRAFF CONCEPTS 305P PLATE PROCESSOR AND A DEGRAFF CONCEPTS 305EDLF PLATE EXPOSURE LIGHT FINISHER AND DRYER

Detailed Facility Report

For Facility=3309

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-3309-24-0	7.5 MMBtu/hr	3020-02 G	1	815.00	815.00	A	GRAPHIC ARTS PRINTING OPERATION WITH A CMR RG101 500/6 6-COLOR GRAVURE PRINTING PRESS SERVED BY A CMM GROUP 08018 RTO-15000-M-95 REGENERATIVE THERMAL OXIDIZER

Number of Facilities Reported: 1

Appendix C
Rule 4702 Streamlining Comparison

Comparison of the Non-SIP amended version (amended August 18, 2011) of District Rule 4702 (Internal Combustion Engines) with the SIP approved version (amended January 18, 2007) of District Rule 4702 (Internal Combustion Engines – Phase 2)

Section	SIP Version of Rule 4702 (Amended January 18, 2007)	Non-SIP Version of Rule 4702 (Amended August 18, 2011)	Conclusion
1.0 Purpose	1.0 The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.	1.0 The purpose of this rule is to limit the emissions of nitrogen oxides (NOx), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SOx) from internal combustion engines.	There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.
2.0 Applicability	2.0 This rule applies to any internal combustion engine with a rated brake horsepower greater than 50 horsepower.	2.0 This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.	There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.
4.0 Exemptions	4.1 The requirements of this rule shall not apply to the following engines: 4.1.1 An engine used to propel implements of husbandry, as that term is defined in Section 36000 of the California Vehicle Code, as that section existed on January 1, 2003. 4.1.2 An engine used exclusively to power a wind machine. 4.1.3 A de-rated spark-ignited engine not used in agricultural operations, provided the de-rating occurred before June 1, 2004. 4.1.4 A de-rated spark-ignited engine used in agricultural operations or a de-rated compression-ignited engine, provided the de-rating occurred before June 1, 2005. 4.1.5 An engine used exclusively to power Mobile Agricultural Equipment. 4.2 Except for the requirements of Section 5.7 and Section 6.2.3, the requirements of this rule shall not apply to: 4.2.1 An emergency standby engine as defined in Section 3.0 of this rule, and provided that it is operated with a nonresettable elapsed operating time meter. In lieu of a nonresettable time meter, the owner of an emergency engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.2.2 An internal combustion engine that is	4.1 The requirements of this rule shall not apply to the following engines: 4.1.1 An engine used to propel implements of husbandry, as that term is defined in Section 36000 of the California Vehicle Code, as that section existed on January 1, 2003. 4.1.2 An engine used exclusively to power a wind machine. 4.1.3 A de-rated spark-ignited engine not used in agricultural operations, provided the de-rating occurred before June 1, 2004. 4.1.4 A de-rated spark-ignited engine used in agricultural operations or a de-rated compression-ignited engine, provided the de-rating occurred before June 1, 2005. 4.1.5 An engine used exclusively to power Mobile Agricultural Equipment. 4.1.6 An internal combustion engine registered as a portable emissions unit under the Statewide Portable Equipment Registration Program pursuant to California Code of Regulations Title 13, Division 3, Chapter 9, Article 5, Sections 2450-2465. 4.1.7 An internal combustion engine registered as a portable emissions unit under Rule 2280 (Portable Equipment Registration). 4.2 Except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby engine or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter. 4.2.1 In lieu of operating a nonresettable	The non-SIP version of this rule includes several operations that are not required to meet the requirements of this rule. These operations were added to clarify what operations are subject to this rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.

	operated no more than 200 hours per calendar year as determined by an operational nonresettable elapsed operating time meter and provided the engine is not used to perform any of the functions specified in Section 4.2.2.1 through Section 4.2.2.3 below. In lieu of a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.2.2.1 To generate electrical power that is either fed into the electrical utility power grid or used to reduce electrical power purchased by a stationary source, 4.2.2.2 To generate mechanical power that is used to reduce electrical power purchased by a stationary source, or 4.2.2.3 In a distributed generation application. 4.3 Except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to: 4.3.1 An internal combustion engine that meets the following conditions: 4.3.1.1 The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood, and 4.3.1.2 Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed operating time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine, and 4.3.1.3 The engine is operated with a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 4.3.2 An internal combustion engine registered as a portable emissions unit	elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time, provided that the alternative is approved by the APCO and EPA and is allowed by the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator must demonstrate that the alternative device, method, or technique is equivalent to using a nonresettable elapsed time meter. 4.2.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 4.3 Except for the administrative requirements of Section 6.2.3, the requirements of this rule shall not apply to the following: 4.3.1 An internal combustion engine that meets the following conditions: 4.3.1.1 The engine is operated exclusively to preserve or protect property, human life, or public health during a disaster or state of emergency, such as a fire or flood; and 4.3.1.2 Except for operations associated with Section 4.3.1.1, the engine is limited to operate no more than 100 hours per calendar year as determined by an operational nonresettable elapsed time meter, for periodic maintenance, periodic readiness testing, and readiness testing during and after repair work of the engine; and 4.3.1.3 The engine is operated with an operational nonresettable elapsed time meter. In lieu of installing a nonresettable elapsed time meter, the operator of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA. The operator of the engine shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 4.3.2 Military Tactical Equipment and engines used to retract military aircraft arresting gear cables, 4.4 For existing facilities, a replacement unit installed for the sole purpose of complying with the requirements of this rule shall be considered to be an emission control technique and shall be exempt from the Best Available Control Technology (BACT) and offsets requirements of District Rule 2201 (New and Modified Stationary Source Review Rule) provided that all other requirements of Rule 2201 are met.	

	under Rule 2280 (Portable Equipment Registration) or the Statewide Portable Equipment Registration Program pursuant to Sections 2450-2465, Article 5, Title 13, California Code of Regulations. 4.3.3 Military Tactical Equipment and engines used to retract military aircraft arresting gear cables. 4.4. A replacement engine installed for the sole purpose of complying with the requirements of this rule shall be exempt from the Best Available Control Technology (BACT) and Offsets requirements of District Rule 2201 (New and Modified Stationary Source Review Rule) provided that all of the following conditions are met: 4.4.1 The replacement engine is of equal or lesser horsepower rating of the engine being replaced, 4.4.2 The replacement engine is subject to the same operational parameters (e.g. hours of operation, fuel use limitations, etc.) as the engine being replaced, 4.4.3 The replacement engine performs the same function as the engine being replaced, and 4.4.4 The emissions of the replacement engine are no greater than the emissions of the engine being replaced.	4.5 Except for the requirements of Section 5.1, the requirements of this rule shall not apply to stationary engines rated at least 25 Brake Horsepower, up to, and including 50 Brake Horsepower.	
5.0 Requirements	**Note:** Section 5.0 requirements refer to Tables 1 through 4, which list the emission limits/standards for various categories of IC engines subject to this rule. These Tables are included at the end of this Stringency Comparison for each version of the rule.		
	N/A	5.1 Stationary Engines Rated at Least 25 Brake Horsepower, Up To, and Including 50 Brake Horsepower and Used in Non-Agricultural Operations (Non-AO) 5.1.1 On and after July 1, 2012, no person shall sell or offer for sale any non-AO spark-ignited engine or any non-AO compression-ignited engine unless the engine meets the applicable requirements and emission limits specified in 40 Code of Federal Regulation (CFR) 60 Subpart IIII (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines) and 40 CFR 60 Subpart JJJJ (Standards of Performance for Stationary Spark Ignition Internal Combustion Engines) for the year in which the ownership of the engine changes. 5.1.2 By January 1, 2013, the operator shall submit a one-time report that includes the number of engines at the stationary source, and the following information for each engine: 5.1.2.1 Location of each engine, 5.1.2.2 Engine manufacturer,	**The SIP version does not apply to engines rated between 25 and 50 bhp. Therefore, the Non-SIP Version of the rule is more stringent.**

		5.1.2.3 Model designation and engine serial number, 5.1.2.4 Rated brake horsepower, 5.1.2.5 Type of fuel and type of ignition, 5.1.2.6 Combustion type: rich-burn, lean-burn, or compression ignition, 5.1.2.7 Purpose, and intended use, of the engine, 5.1.2.8 Typical daily operating schedule, and 5.1.2.9 Fuel consumption (cubic feet for gas or gallons for liquid fuel) for the previous one-year period.	
	5.1 Engine Emission Limits/Standards 5.1.1 Spark-Ignited Internal Combustion Engine Emission Limits/Standards - The owner of a spark-ignited internal combustion engine shall not operate it in such a manner that results in emissions exceeding the limits in Table 1 below for the appropriate engine type according to the compliance schedules listed in Section 7.0 or according to the compliance dates specified in Table 1 below. A spark-ignited engine shall comply with the applicable emission limits pursuant to Section 5.1 or Section 8.0.	5.2 Stationary Engines Rated at Greater than 50 Brake Horsepower (>50 bhp) 5.2.1 Spark Ignited Engines Used in non-AO - Table 1 Emission Limits/Standards The operator of a spark-ignited internal combustion engine rated at >50 bhp that is used exclusively in non-AO shall not operate it in such a manner that results in emissions exceeding the limits in Table 1 for the appropriate engine type until such time that the engine has demonstrated compliance with Table 2 emission limits pursuant to the compliance deadlines in Section 7.5. In lieu of complying with Table 1 emission limits, the operator of a spark-ignited engine shall comply with the applicable emission limits pursuant to Section 8.0. 5.2.2 Spark-Ignited Engines Used in non-AO – Table 2 Emission Limits/Standards On and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine > 50 bhp that is used in non-AO shall comply with all the applicable requirements of the rule and one of the following, on an engine-by-engine basis: 5.2.2.1 On and after the compliance schedule specified in Section 7.5, the operator of a spark-ignited engine that is used exclusively in non-AO shall comply with Sections 5.2.2.1.1 through 5.2.2.1.3 on an engine-by-engine basis: 5.2.2.1.1 NOx, CO, and VOC emission limits pursuant to Table 2; 5.2.2.1.2 SOx control requirements of Section 5.7, pursuant to the deadlines specified in Section 7.5; and 5.2.2.1.3 Monitoring requirements of Section 5.10, pursuant to the deadlines specified in Section 7.5. 5.2.2.2 In lieu of complying with the NOx emission limit requirement of Section 5.2.2.1.1, an operator may pay an annual fee to the District, as specified in Section 5.6, pursuant to Section 7.6.	**The requirements of Table 1 of both versions of the rule are identical. Table 2 from the non-SIP version found at the end of this document has emissions requirements that are more stringent than the requirements of Table 1 in both versions of the Rule. The standards of the non-SIP version are at least as stringent as the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.**

		5.2.2.2.1 Engines in the fee payment program shall have actual emissions not greater than the applicable limits in Table 1 during the entire time the engine is part of the fee payment program. 5.2.2.2.2 Compliance with Section 5.7 and 5.10, pursuant to the deadlines specified in Section 7.5, is also required as part of the fee payment option. 5.2.2.3 In lieu of complying with the NOx, CO, and VOC limits of Table 2 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. An operator electing this option shall not be eligible to participate in the fee payment option outlined in Section 5.2.2.2 and Section 5.6. 5.2.3 Spark-Ignited Engines Used Exclusively in Agricultural Operations (AO) 5.2.3.1 The operator of a spark-ignited internal combustion engine rated at >50 bhp that is used exclusively in AO shall not operate it in such a manner that results in emissions exceeding the limits in Table 3 for the appropriate engine type on an engine-by-engine basis. 5.2.3.2 In lieu of complying with the NOx, CO, and VOC limits of Table 3 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. 5.2.3.3 An operator of an AO spark-ignited engine that is subject to the applicable requirements of Table 3 shall not replace such engine with an engine that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced.	

	5.1.2 Compression-Ignited Internal Combustion Engine Emission Limits/Standards and Compliance Schedules – The owner of a compression-ignited internal combustion engine shall repower, replace or control the engine to comply with the applicable limits/standards and compliance dates in Table 2 below. The annual hours of operation shall be determined on a calendar year basis. A compression-ignited engine shall comply with the applicable emission limits/standards pursuant to Section 5.1.2 or Section 8.0. 5.1.3 On and after June 1, 2006, the owner of an AO rich-burn spark-ignited engine, AO lean-burn spark-ignited engine, or AO compression-ignited engine that is subject to the requirements of Section 5.1 shall not replace such engine with a rich-burn spark-ignited, lean-burn spark-ignited, or compression-ignited engine, respectively, that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced. 5.1.4 The owner of a non-certified compression-ignited engine, in place on June 1, 2006, shall comply with the Emission Limit/Standard and Compliance Date in Table 2 based on the non-certified compression-ignited engine that was in place on June 1, 2006, unless the owner meets one of the following conditions: 5.1.4.1 Replaces the non-certified compression-ignited engine with a non-modified Tier 3 or a non-modified Tier 4 engine after June 1, 2006, 5.1.4.2 Controls the non-certified compression-ignited engine after June 1, 2006, to emit emissions less than, or equal to, 80 ppm NOx, 2,000 ppm CO, and 750 ppm VOC, (corrected to 15% oxygen on a dry basis), or 5.1.4.3 Replaces the non-certified compression-ignited engine after June 1, 2006, with an engine or other source with emissions less than, or equal to, 80 ppm NOx, 2,000 ppm CO, and 750 ppm VOC (corrected to 15% oxygen on a dry basis).	5.2.4 Certified Compression-Ignited Engines (AO and non-AO) The operator of a certified compression-ignited engine rated >50 bhp shall comply with the following requirements: 5.2.4.1 Repower, replace, or control the engine's emissions to comply with the applicable limits/standards in Table 4 on an engine-by-engine basis by the compliance dates as specified in Table 4. 5.2.4.2 The annual hours of operation shall be determined on a calendar year basis. 5.2.4.3 In lieu of complying with the NOx, CO, and VOC limits of Table 4 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0. 5.2.4.4 An operator of an AO compression-ignited engine that is subject to the applicable requirements of Table 4 shall not replace such engine with an engine that emits more emissions of NOx, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced. 5.2.5 Non-Certified Compression-Ignited Engines (AO and Non-AO) The operator of a non-certified compression-ignited engine, in place on or before June 1, 2006, shall comply with the Emission Limit/Standard and Compliance Date in Table 4 based on the non-certified compression ignited engine that was in place on June 1, 2006, unless the operator meets one of the following conditions: 5.2.5.1 Replace the non-certified compression-ignited engine with a nonmodified Tier 3 or a non-modified Tier 4 engine after June 1, 2006; 5.2.5.2 Control the non-certified compression-ignited engine after June 1, 2006, to emit emissions less than, or equal to, 80 ppmv NOx, 2,000 ppmv CO, and 750 ppmv VOC (corrected to 15% oxygen on a dry basis); or 5.2.5.3 Replace the non-certified compression-ignited engine after June 1, 2006, with an engine or other source with emissions less than, or equal to, 80 ppmv NOx, 2,000 ppmv CO, and 750 ppmv VOC (corrected to 15% oxygen on a dry basis).	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.2 All continuous emission monitoring systems (CEMS) emissions measurements shall be averaged over a period of 15 consecutive minutes. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. 5.3 Percent emission reductions, if used to comply with the NOx emission limits of Section 5.1, shall be calculated as follows: 5.3.1 For engines with external control devices that are not operated in combination with a second emission control device or technique, percent reduction shall be calculated using emission samples taken at the inlet and outlet of the control device. 5.3.2 For engines without external control devices and for engines with an external control device in combination with a second emission control device or technique, percent reduction shall be based on source test results for the uncontrolled engine and the engine after the control device or technique has been employed. In this situation, the engine's typical operating parameters, loading, and duty cycle shall be documented and repeated at each successive post-control source test to ensure that the engine is meeting the percent reduction limit. When representative source sampling prior to the application of an emissions control technology or technique is not available, the APCO may approve the use of a manufacturer's uncontrolled emissions information or source sampling from a similar, uncontrolled engine. 5.4 The owner of an internal combustion engine that uses percent emission reduction to comply with the NOx emission limits of Section 5.1 shall provide an accessible inlet and outlet on the external control device or the engine as appropriate for taking emission samples and as approved by the APCO.	5.3 All continuous emission monitoring systems (CEMS) emissions measurements shall be averaged over a period of 15 consecutive minutes. Any 15-consecutiveminute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. 5.4 Percent emission reductions, if used to comply with the NOx emission limits of Section 5.2, shall be calculated as follows: 5.4.1 For engines with external control devices that are not operated in combination with a second emission control device or technique, percent reduction shall be calculated using emission samples taken at the inlet and outlet of the control device. 5.4.2 For engines without external control devices and for engines with an external control device in combination with a second emission control device or technique, percent reduction shall be based on source test results for the uncontrolled engine and the engine after the control device or technique has been employed. In this situation, the engine's typical operating parameters, loading, and duty cycle shall be documented and repeated at each successive post-control source test to ensure that the engine is meeting the percent reduction limit. When representative source sampling prior to the application of an emissions control technology or technique is not available, the APCO may approve the use of a manufacturer's uncontrolled emissions information or source sampling from a similar, uncontrolled engine. 5.5 The operator of an internal combustion engine that uses percent emission reduction to comply with the NOx emission limits of Section 5.2 shall provide an accessible inlet and outlet on the external control device or the engine as appropriate for taking emission samples and as approved by the APCO.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	N/A	5.6 Payment of an Annual Fee In Lieu of Complying with a NOx Emission Limit The operator of a non-AO spark-ignited engine who elects to comply under Section 5.2.2.2 shall comply with the requirements of Sections 5.6 by the schedule specified in Section 7.6 and all other applicable provisions of this rule. 5.6.1 An operator shall pay a total annual fee to the District based on the total NO_x emissions from those engines that will be subject to Section 5.2.2.2. The annual fee shall be calculated in the following manner: 5.6.1.1 The operator shall calculate the total emissions for all engines operating at a stationary source that will comply with Section 5.2.2.2. The total NOx emissions	**The annual fee option applies to units subject to Table 2.**

		shall be calculated in accordance with Section 5.6.1.3. 5.6.1.2 The total annual fee shall be calculated in accordance with Section 5.6.1.4. These calculations include only the units that have been identified to comply with Section 5.2.2.2. 5.6.1.3 Total Emissions (TE) Calculation E (engine) = A x B x C x D x 2.147 x 10-16 Where: E (engine) = Annual NOx emissions for each unit, in tons/year. A = NOx emission limit for the Permit-to-Operate, in ppmvd corrected to 15% oxygen. B = Annual fuel use (ft3/year) C = Fuel higher heating value (Btu/ft3) – for natural gas use 1,000 Btu/ft3 D = Fuel F-Factor at 60oF (Dscf/MMBtu) – for natural gas use 8,579 Dscf/MMBtu TE = ΣE(engine) Where: ΣE(engine) = Sum of all NOx emissions from all units in the annual fee program, in tons per year. 5.6.1.4 Total Annual Fee Calculation Total Annual Fee = (TE x FR) + Administrative Fee Where: TE = Total Emissions, in tons per year, as calculated in Section 5.6.1.3. FR (Fee Rate) = the cost of NOx reductions, in dollars per ton, as established by District Rule 9510. Under no circumstances shall the cost per ton of NO_X reductions exceed the cost effectiveness threshold for the Carl Moyer Cost Effectiveness, as established by the applicable state law. Administrative Fee = 4% x (TE x FR)	

	5.5 California Reformulated Gasoline shall be used as the fuel for all gasoline-fired, spark-ignited internal combustion engines.	5.7 Sulfur Oxides (SOx) Emission Control Requirements On and after the compliance schedule specified in Section 7.5, operators of non-AO spark-ignited engines and non-AO compression-ignited engines shall comply with one of the following requirements: 5.7.1 Operate the engine exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases; or 5.7.2 Limit gaseous fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or 5.7.3 Use California Reformulated Gasoline for gasoline-fired spark-ignited engines; or 5.7.4 Use California Reformulated Diesel for compression-ignited engines; or 5.7.5 Operate the engine on liquid fuel that contains no more than 15 ppm sulfur, as determined by the test method specified in Section 6.4.6; or 5.7.6 Install and properly operate an emission control system that reduces SO2 emissions by at least 95% by weight as determined by the test method specified in Section 6.4.6.	**The non-SIP version of this rule contains SOx emissions control requirements not found in the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	5.6 Monitoring Requirements A The owner of a non-AO spark-ignited engine subject to the requirements of Section 5.1 or any engine subject to the requirements of Section 8.0 shall comply with the following requirements: 5.6.1 For each engine with a rated brake horsepower of 1,000 hp or greater and which is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition to operate more than 2,000 hours per calendar year, or with an external emission control device, either install, operate, and maintain continuous monitoring equipment for NOx, CO, and oxygen, as identified in Rule 1080 (Stack Monitoring), or install, operate, and maintain APCO-approved alternate monitoring. The monitoring system may be a continuous emissions monitoring system (CEMS), a parametric emissions monitoring system (PEMS), or an alternative monitoring system approved by the APCO. APCO-approved alternate monitoring shall consist of one or more of the following: 5.6.1.1 Periodic NOx and CO emission concentrations, 5.6.1.2 Engine exhaust oxygen concentration, 5.6.1.3 Air-to-fuel ratio, 5.6.1.4 Flow rate of reducing agents added to engine exhaust, 5.6.1.5 Catalyst inlet and exhaust temperature,	5.8 Monitoring Requirements: Non-AO Spark-Ignited Engines and Engines in an AECP (Section 8.0) The operator of a non-AO spark-ignited engine subject to the requirements of Section 5.2 or any engine subject to the requirements of Section 8.0 shall comply with the following requirements: 5.8.1 For each engine with a rated brake horsepower of 1,000 bhp or greater and which is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition to operate more than 2,000 hours per calendar year, or with an external emission control device, either install, operate, and maintain continuous monitoring equipment for NOx, CO, and oxygen, as identified in Rule 1080 (Stack Monitoring), or install, operate, and maintain APCO approved alternate monitoring. The monitoring system may be a continuous emissions monitoring system (CEMS), a parametric emissions monitoring system (PEMS), or an alternative monitoring system approved by the APCO. APCO-approved alternate monitoring shall consist of one or more of the following: 5.8.1.1 Periodic NOx and CO emission concentrations, 5.8.1.2 Engine exhaust oxygen concentration, 5.8.1.3 Air-to-fuel ratio, 5.8.1.4 Flow rate of reducing agents added to engine exhaust,	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.6.1.6 Catalyst inlet and exhaust oxygen concentration, 5.6.1.7 Other operational characteristics. 5.6.2 For each engine not subject to Section 5.6.1, monitor operational characteristics recommended by the engine manufacturer or emission control system supplier, and approved by the APCO. 5.6.3 For each engine with an alternative monitoring system, submit to, and receive approval from the APCO, adequate verification of the alternative monitoring system's acceptability. This would include data demonstrating the system's accuracy under typical operating conditions for the specific application and any other information or data deemed necessary in assessing the acceptability of the alternative monitoring system. 5.6.4 For each engine with an APCO approved CEMS, operate the CEMS in compliance with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Appendix B (Performance Specifications), 40 CFR Appendix F (Quality Assurance Procedures), and applicable provisions of Rule 1080 (Stack Monitoring). 5.6.5 For each engine, have the data gathering and retrieval capabilities of an installed monitoring system described in Section 5.6 approved by the APCO. 5.6.6 For each engine, install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 5.6.7 For each engine, implement the Inspection and Monitoring (I&M) plan, if any, submitted to and approved by the APCO pursuant to Section 6.5. 5.6.8 For each engine, collect data through the I&M plan in a form approved by the APCO. 5.6.9 For each engine use a portable NOx analyzer to take NOx emission readings to verify compliance with the emission requirements of Section 5.1 or Section 8.0 during each calendar quarter in which a source test is not performed and the engine is operated. All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt	5.8.1.5 Catalyst inlet and exhaust temperature, 5.8.1.6 Catalyst inlet and exhaust oxygen concentration, or 5.8.1.7 Other operational characteristics. 5.8.2 For each engine not subject to Section 5.8.1, monitor operational characteristics recommended by the engine manufacturer or emission control system supplier, and approved by the APCO. 5.8.3 For each engine with an alternative monitoring system, submit to, and receive approval from the APCO, adequate verification of the alternative monitoring system's acceptability. This would include data demonstrating the system's accuracy under typical operating conditions for the specific application and any other information or data deemed necessary in assessing the acceptability of the alternative monitoring system. 5.8.4 For each engine with an APCO approved CEMS, operate the CEMS in compliance with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Appendix B (Performance Specifications), 40 CFR Appendix F (Quality Assurance Procedures), and applicable provisions of Rule 1080 (Stack Monitoring). 5.8.5 For each engine, have the data gathering and retrieval capabilities of an installed monitoring system described in Section 5.8 approved by the APCO. 5.8.6 For each engine, install and operate a nonresettable elapsed time meter. 5.8.6.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition. 5.8.6.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 5.8.7 For each engine, implement the Inspection and Monitoring (I&M) plan, if any, submitted to and approved by the APCO pursuant to Section 6.5. 5.8.8 For each engine, collect data through the I&M plan in a form approved by the APCO. 5.8.9 For each engine, use a portable NOx analyzer to take NOx emission readings to verify compliance with the emission requirements of Section 5.2 or Section 8.0 during each calendar quarter in which a	

	Equipment Registration. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutive-minute period. 5.6.10 The APCO shall not approve an alternative monitoring system unless it is documented that continued operation within ranges of specified emissions-related performance indicators or operational characteristics provides a reasonable assurance of compliance with applicable emission limits. The operator shall source test over the proposed range of surrogate operating parameters to demonstrate compliance with the applicable emission standards. 5.6.11 For each engine subject to Section 8.0, install and operate a nonresettable fuel meter. In lieu of installing a nonresettable fuel meter, the owner may use an alternative device, method, or technique in determining daily fuel consumption provided that the alternative is approved by the APCO. The owner shall properly maintain, operate, and calibrate the required fuel meter in accordance with the manufacturer's instructions.	source test is not performed and the engine is operated. 5.8.9.1 If an engine is operated less than 120 calendar days per calendar year, take one NOx emission reading during the calendar year in which a source test is not performed and the engine is operated. 5.8.9.2 All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. 5.8.9.3 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.8.9.4 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.8.9.5 NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutiveminute period. 5.8.10 The APCO shall not approve an alternative monitoring system unless it is documented that continued operation within ranges of specified emissions related performance indicators or operational characteristics provides a reasonable assurance of compliance with applicable emission limits. The operator shall source test over the proposed range of surrogate operating parameters to demonstrate compliance with the applicable emission standards. 5.8.11 For each engine subject to Section 8.0, install and operate a nonresettable fuel meter. 5.8.11.1 In lieu of installing a nonresettable fuel meter, the operator may use an alternative device, method, or technique in determining daily fuel consumption provided that the alternative is approved by the APCO and EPA. 5.8.11.2 The operator shall properly maintain, operate, and calibrate the required fuel meter in accordance with the manufacturer's instructions.	
	5.7 Monitoring Requirements B 5.7.1 The owner of any of the following engines shall comply with the requirements specified	5.9 Monitoring Requirements: All Other Engines 5.9.1 The operator of any of the following engines shall comply with the requirements	**There is no change in the requirements of this section. Therefore, the non-SIP version of the**

	In Section 5.7.2 through Section 5.7.5 below: 5.7.1.1 An AO spark-ignited engine subject to the requirements of Section 5.1, 5.7.1.2 A compression-ignited engine subject to the requirements of Section 5.1, or 5.7.1.3 An engine subject to Section 4.2. 5.7.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier. 5.7.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier. 5.7.4 Install and operate a nonresettable elapsed operating time meter. In lieu of installing a nonresettable time meter, the owner of an engine may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and is allowed by Permit-to-Operate or Permit-Exempt Equipment Registration condition. The owner of the engine shall properly maintain and operate the time meter or alternative device in accordance with the manufacturer's instructions. 5.7.5 The owner of an AO spark-ignited engine that has been retro-fitted with a NOx exhaust control that has not been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements, or a compression-ignited engine that has been retro-fitted with a NOx exhaust control shall comply with the following: 5.7.5.1 Use a portable NOx analyzer to take NOx emission readings to demonstrate compliance with the emission requirements of Section 5.1. 5.7.5.2 The owner of a compression-ignited engine that is subject to the limits/standards of Section 5.1.2 Table 2 Category 1,d shall use a portable NOx analyzer to take NOx emission readings at least once every six months that the engine is operated. 5.7.5.3 The owner of any other engine that has been retro-fitted with a NOx exhaust control shall use a portable NOx analyzer to take NOx emission readings at least once every 24 months that the engine is operated. 5.7.5.4 All emission readings shall be taken with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration.	specified in Section 5.9.2 through Section 5.9.5 below: 5.9.1.1 An AO spark-ignited engine subject to the requirements of Section 5.2; 5.9.1.2 A compression-ignited engine subject to the requirements of Section 5.2; or 5.9.1.3 An engine subject to Section 4.2. 5.9.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier. 5.9.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier. 5.9.4 Install and operate a nonresettable elapsed time meter. 5.9.4.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition. 5.9.4.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions. 5.9.5 The operator of an AO spark-ignited engine that has been retro-fitted with a NOx exhaust control that has not been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements, or a compression ignited engine that has been retro-fitted with a NOx exhaust control shall comply with the following: 5.9.5.1 Use a portable NOx analyzer to take NOx emission readings to demonstrate compliance with the emission requirements of Section 5.2. 5.9.5.2 The operator of a compression-ignited engine that is subject to the limits/standards of Section 5.2 Table 4 Category 1.d shall use a portable NOx analyzer to take NOx emission readings at least once every six (6) months that the engine is operated. 5.9.5.3 The operator of any other engine that has been retro-fitted with a NOx exhaust control shall use a portable NOx analyzer to take NOx emission readings at least once every 24 months that the engine is operated. 5.9.5.4 All emission readings shall be taken with the engine operating either at	rule is as stringent as the SIP version of the rule.

	5.7.5.5 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.7.5.6 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.7.5.7 NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutive-minute period.	conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. 5.9.5.5 The portable NOx analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. 5.9.5.6 All NOx emissions readings shall be reported to the APCO in a manner approved by the APCO. 5.9.5.7 NOx emission readings taken pursuant to this section shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings evenly spaced out over the 15 consecutive minute period.	
		5.10 SOx Emissions Monitoring Requirements On and after the compliance schedule specified in Section 7.5, an operator of a non-AO engine shall comply with the following requirements: 5.10.1 An operator of an engine complying with Sections 5.7.2 or 5.7.5 shall perform an annual sulfur fuel analysis in accordance with the test methods in Section 6.4. The operator shall keep the records of the fuel analysis and shall provide it to the District upon request, 5.10.2 An operator of an engine complying with Section 5.7.6 by installing and operating a control device with at least 95% by weight SOx reduction efficiency shall submit for approval by the APCO the proposed the key system operating parameters and frequency of the monitoring and recording not later than July 1, 2013, and 5.10.3 An operator of an engine complying with Section 5.7.6 shall perform an annual source test unless a more frequent sampling and reporting period is included in the Permit-to-Operate. Source tests shall be performed in accordance with the test methods in Section 6.4.	**The non-SIP approved version contains SO_x emissions monitoring requirements not required in the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.8 Permit-Exempt Equipment Registration Requirements The owner of an engine used exclusively in agricultural operations shall register such engine pursuant to Rule 2250 (Permit-Exempt Equipment Registration), except for an engine that meets any one of the following conditions: 5.8.1 The engine is required to have a Permit-to-Operate pursuant to California Health and Safety Code Section 42301.16, or 5.8.2 The engine is not required to comply with Section 5.1 of this rule.	5.11 Permit-Exempt Equipment Registration Requirements The operator of an engine used exclusively in agricultural operations shall register such engine pursuant to Rule 2250 (Permit-Exempt Equipment Registration), except for an engine that meets any one of the following conditions: 5.11.1 The engine is required to have a Permit-to-Operate pursuant to California Health and Safety Code Section 42301.16; or 5.11.2 The engine is not required to comply with Section 5.2 of this rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
6.0 Administrative Requirements	6.1 Emission Control Plan The owner of an engine subject to the requirements of Section 5.1 or Section 8.0, except for an engine specified in Section 6.1.1, of this rule shall submit to the APCO an APCO-approvable emission control plan of all actions to be taken to satisfy the emission requirements of Section 5.1 and the compliance schedules of Section 7.0. 6.1.1 The requirement to submit an emission control plan shall not apply to an engine specified below: 6.1.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0, 6.1.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0, 6.1.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0, 6.1.1.4 An engine subject to Section 4.2, or 6.1.1.5 An engine subject to Section 4.3. 6.1.1.6 An engine with an operating exhaust control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.1.2 Such emission control plan shall contain the following information, as applicable for each engine: 6.1.2.1 Permit-to-Operate number, Authority-to-Construct number, or Permit-Exempt Equipment Registration number 6.1.2.2 Engine manufacturer 6.1.2.3 Model designation and engine serial	6.1 Emission Control Plan The operator of an engine subject to the requirements of Section 5.2 of this rule shall submit to the APCO an APCO-approvable emission control plan of all actions to be taken to satisfy the emission requirements of Section 5.2 and the compliance schedules of Section 7.0. If there is no change to the previously-approved emission control plan, the operator shall submit a letter to the District indicating that the previously approved plan is still valid. 6.1.1 The requirement to submit an emission control plan shall apply to the following engines: 6.1.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.1.1.2 Engines subject to Section 8.0; 6.1.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0; 6.1.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.1.2 Such emission control plan shall contain the following information, as applicable for each engine: 6.1.2.1 Permit-to-Operate number, Authority-to-Construct number, or Permit-Exempt Equipment Registration number, 6.1.2.2 Engine manufacturer, 6.1.2.3 Model designation and engine serial number, 6.1.2.4 Rated brake horsepower, 6.1.2.5 Type of fuel and type of ignition, 6.1.2.6 Combustion type: rich-burn or lean-	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet these section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	number 6.1.2.4 Rated brake horsepower 6.1.2.5 Type of fuel and type of ignition 6.1.2.6 Combustion type: rich-burn or lean-burn 6.1.2.7 Total hours of operation in the previous one-year period, including typical daily operating schedule 6.1.2.8 Fuel consumption (cubic feet for gas or gallons for liquid) for the previous one-year period 6.1.2.9 Stack modifications to facilitate continuous in-stack monitoring and to facilitate source testing 6.1.2.10 Type of control to be applied, including in-stack monitoring specifications 6.1.2.11 Applicable emission limits 6.1.2.12 Documentation showing existing emissions of NOx, VOC, and CO, and 6.1.2.13 Date that the engine will be in full compliance with Rule 4702. 6.1.3 The emission control plan shall identify the type of emission control device or technique to be applied to each engine and a construction/removal schedule, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission requirements of this rule. 6.1.4 For an engine being permanently removed from service, the emission control plan shall include a letter of intent pursuant to Section 7.2.	burn, 6.1.2.7 Total hours of operation in the previous one-year period, including typical daily operating schedule, 6.1.2.8 Fuel consumption (cubic feet for gas or gallons for liquid) for the previous one-year period, 6.1.2.9 Stack modifications to facilitate continuous in-stack monitoring and to facilitate source testing, 6.1.2.10 Type of control to be applied, including in-stack monitoring specifications, 6.1.2.11 Applicable emission limits, 6.1.2.12 Documentation showing existing emissions of NOx, VOC, and CO, and 6.1.2.13 Date that the engine will be in full compliance with this rule. 6.1.3 The emission control plan shall identify the type of emission control device or technique to be applied to each engine and a construction/removal schedule, or shall provide support documentation sufficient to demonstrate that the engine is in compliance with the emission requirements of this rule. 6.1.4 For an engine being permanently removed from service, the emission control plan shall include a letter of intent pursuant to Section 7.2.	
	6.2 Recordkeeping 6.2.1 Except for engines subject to Section 4.0, the owner of an engine subject to the requirements of Section 5.1 of this rule shall maintain an engine operating log to demonstrate compliance with this rule. This information shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The engine operating log shall include, on a monthly basis, the following information: 6.2.1.1 Total hours of operation, 6.2.1.2 Type of fuel used, 6.2.1.3 Maintenance or modifications performed, 6.2.1.4 Monitoring data, 6.2.1.5 Compliance source test results, and	6.2 Recordkeeping 6.2.1 The operator of an engine subject to the requirements of Section 5.2 of this rule shall maintain an engine operating log to demonstrate compliance with this rule. This information shall be retained for a period of at least five years, shall be readily available, and be made available to the APCO upon request. The engine operating log shall include, on a monthly basis, the following information: 6.2.1.1 Total hours of operation, 6.2.1.2 Type of fuel used, 6.2.1.3 Maintenance or modifications performed, 6.2.1.4 Monitoring data, 6.2.1.5 Compliance source test results, and	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.2.1.6 Any other information necessary to demonstrate compliance with this rule. 6.2.1.7 For an engine subject to Section 8.0, the quantity (cubic feet of gas or gallons of liquid) of fuel used on a daily basis. 6.2.2 The data collected pursuant to the requirements of Section 5.6 and Section 5.7, shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request. 6.2.3 An owner claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: 6.2.3.1 Total hours of operation, 6.2.3.2 The type of fuel used, 6.2.3.3 The purpose for operating the engine, 6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and 6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.	6.2.1.6 Any other information necessary to demonstrate compliance with this rule. 6.2.1.7 For an engine subject to Section 8.0, the quantity (cubic feet of gas or gallons of liquid) of fuel used on a daily basis. 6.2.2 The data collected pursuant to the requirements of Section 5.8 and Section 5.9 shall be maintained for at least five years, shall be readily available, and made available to the APCO upon request. 6.2.3 An operator claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: 6.2.3.1 Total hours of operation, 6.2.3.2 The type of fuel used, 6.2.3.3 The purpose for operating the engine, 6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and 6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.	
	6.3 Compliance Testing The owner of an engine subject to the requirements of Section 5.1 or the requirements of Section 8.0, shall comply with the following requirements, except for an engine specified in Section 6.3.1: 6.3.1 The requirements of Section 6.3.2 through Section 6.3.4 shall not apply to any of the following engines: 6.3.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0, 6.3.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.3.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.3.1.4 An engine subject to Section 4.2. 6.3.1.5 An engine subject to Section 4.3. 6.3.1.6 An engine with an operating exhaust	6.3 Compliance Testing The operator of an engine subject to the requirements of Section 5.2 or the requirements of Section 8.0 shall comply with the following requirements: 6.3.1 The requirements of Section 6.3.2 through Section 6.3.4 shall apply to the following engines: 6.3.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.3.1.2 Engines subject to Section 8.0; 6.3.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0; 6.3.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.3.2 Demonstrate compliance with applicable limits, ppmv or percent reduction, in accordance with the test methods in Section 6.4, as specified below: 6.3.2.1 By the applicable date specified in	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet this section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.3.2 Demonstrate compliance with applicable limits, ppmv or percent reduction, in accordance with the test methods in Section 6.4, as specified below: 6.3.2.1 By the applicable date specified in Section 5.1.1, Section 5.1.2, Section 7.3, Section 7.4, Section 7.5, or Section 7.6 and at least once every 24 months thereafter, except for an engine subject to Section 6.3.2.2. 6.3.2.2 By the applicable date specified in Section 5.1.1, Section 5.1.2,Section 7.3, Section 7.4, Section 7.5, or Section 7.6 and at least once every 60 months thereafter, for an AO spark-ignited engine that has been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.3.2.3 A portable NOx analyzer may be used to show initial compliance with the applicable limits/standards in Section 5.1 for AO spark-ignited engines, provided the criteria specified in Sections 6.3.2.3.1 to 6.3.2.3.5 are met, and a source test is conducted in accordance with Section 6.3.2 within 12 months from the required compliance date. 6.3.2.3.1 A minimum of 15 minutes of runtime must be measured with data recorded at a minimum of 15, evenly spaced time intervals. Compliance is to be determined with the arithmetic average of the oxygen-corrected data. 6.3.2.3.2 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer calibration records shall be made available at the District's request. 6.3.2.3.3 The analyzer shall be checked with EPA protocol span gas at the beginning and end of each test day. The results of these checks shall be recorded and copies submitted to the District with each engine test. If the analyzer exhibits more than a 10% deviation from the span check, the instrument must be re-calibrated. Any analysis performed prior to an end-of-day span check failure shall be void. 6.3.2.3.4. The test results of each engine, including span check results, shall be submitted to the District within 30 days of the test date. Test results shall clearly identify the engine tested including: owner, location, permit or	Section 5.2, and at least once every 24 months thereafter, except for an engine subject to Section 6.3.2.2 By the applicable date specified in Section 5.2 and at least once every 60 months thereafter, for an AO spark-ignited engine that has been retro-fitted with a catalytic emission control device. 6.3.2.3 A portable NOx analyzer may be used to show initial compliance with the applicable limits/standards in Section 5.2 for AO spark ignited engines, provided the criteria specified in Sections 6.3.2.3.1 to 6.3.2.3.5 are met, and a source test is conducted in accordance with Section 6.3.2 within 12 months from the required compliance date. 6.3.2.3.1 A minimum of 15 minutes of runtime must be measured with data recorded at a minimum of 15, evenly spaced time intervals. Compliance is to be determined with the arithmetic average of the oxygen corrected data; 6.3.2.3.2 The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer calibration records shall be made available at the District's request; 6.3.2.3.3 The analyzer shall be checked with EPA protocol span gas at the beginning and end of each test day. The results of these checks shall be recorded and copies submitted to the District with each engine test. If the analyzer exhibits more than a 10% deviation from the span check, the instrument must be recalibrated. Any analysis performed prior to an end-of-day span check failure shall be void; 6.3.2.3.4 The test results of each engine, including span check results, shall be submitted to the District within 30 days of the test date. Test results shall clearly identify the engine tested including operator, location, permit or registration number, manufacturer, model, and serial number; and 6.3.2.3.5 The analyzer utilized for each check shall be clearly identified in the material submitted with the test results. Identification shall include manufacturer and serial number of the analyzer used, and the last calibration date. 6.3.3 Conduct emissions source testing with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. For emissions source testing performed pursuant to Section 6.3.2 for the	

	registration number, manufacturer, model, and serial number. 6.3.2.3.5. The analyzer utilized for each check shall be clearly identified in the material submitted with the test results. Identification shall include manufacturer and serial number of the analyzer used, and the last calibration date. 6.3.3 Conduct emissions source testing with the engine operating either at conditions representative of normal operations or conditions specified in the Permit-to-Operate or Permit-Exempt Equipment Registration. For emissions source testing performed pursuant to Section 6.3.2 for the purpose of determining compliance with an applicable standard or numerical limitation, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15 percent oxygen. For engines that comply with a percent reduction limit in Table 1, the percent reduction of NOx emissions shall also be reported. 6.3.4 In addition to other information, the source test protocol shall describe which critical parameters will be measured and how the appropriate range for these parameters shall be established. The range for these parameters shall be incorporated into the I&M plan. 6.3.5 Engines that are limited by Permit-to-Operate or Permit-Exempt Equipment Registration condition to be fueled exclusively with PUC quality natural gas shall not be subject to the reoccurring source test requirements of Section 6.3.2 for VOC emissions.	purpose of determining compliance with an applicable standard or numerical limitation, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC shall be reported as methane. VOC, NOx, and CO concentrations shall be reported in ppmv, corrected to 15 percent oxygen. For engines that comply with a percent reduction limit, the percent reduction of NO_x emissions shall also be reported. 6.3.4 In addition to other information, the source test protocol shall describe which critical parameters will be measured and how the appropriate range for these parameters shall be established. The range for these parameters shall be incorporated into the I&M plan. 6.3.5 Engines that are limited by Permit-to-Operate or Permit-Exempt Equipment Registration condition to be fueled exclusively with PUC quality natural gas shall not be subject to the reoccurring source test requirements of Section 6.3.2 for VOC emissions.	
	6.3.6 Representative Testing For spark-ignited engines, in lieu of compliance with the applicable requirements of Section 6.3.2, compliance with the applicable emission limits in Section 5.1 shall be demonstrated by submittal of annual emission test results, within 30 days of the test date, to the District, from a unit or units that represents a specified group of units, provided all of the following are requirements are satisfied: 6.3.6.1 The units are located at the same stationary source; 6.3.6.2 The units were produced by the same manufacturer, have the same model number or other manufacturer's designation in common, and have the same rated capacity and operating specifications;	6.3.6 Representetive Testing For spark-ignited engines, in lieu of compliance with the applicable requirements of Section 6.3.2, compliance with the applicable emission limits in Section 5.2 shall be demonstrated by submittal of annual emission test results, within 30 days of the test date, to the District, from a unit or units that represents a specified group of units, provided all of the following requirements are satisfied: 6.3.6.1 The units are located at the same stationary source; 6.3.6.2 The units were produced by the same manufacturer, have the same model number or other manufacturer's designation in common, and have the same rated	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.3.6.3 The units are operated and maintained in a similar manner; and 6.3.6.4 At least 20% of the total number of units are tested during each annual test cycle. 6.3.6.5 The District, based on documentation submitted by the stationary source: 6.3.6.5.1 Determines that the margin of compliance for the identical units tested is significant and can be maintained on an on-going basis; or 6.3.6.5.2 Determines based on a review of sufficient emissions data that, though the margin of compliance is not substantial, other factors allow for the determination that the variability of emissions for identical tested units is low enough for confidence that the untested unit will be in compliance. These factors may include, but are not limited to, the following: 6.3.6.5.2.1 Historical records at the tested unit 6.3.6.5.2.2 Fuel characteristics yielding low variability and therefore assurance that emissions will be constant and below allowable levels; 6.3.6.5.2.3 Statistical analysis of a robust emissions data set demonstrate sufficiently low variability to convey assurance that the margin of compliance, though small, is reliable. 6.3.6.6 Should any of the representative units exceed the required emission limits, or if the District notifies the operator that the criteria in Sections 6.3.6.1 through 6.3.6.5 have not been fulfilled, each of the units in the group shall individually demonstrate compliance by emissions testing. Failure to complete emissions testing within 90 days of the failed test shall result in the untested units being in violation of this rule. After compliance with the requirements of Section 6.3.6.6 has been demonstrated, subsequent source testing shall be performed pursuant to Sections 6.3.2 or 6.3.6.	capacity and operating specifications; 6.3.6.3 The units are operated and maintained in a similar manner; and 6.3.6.4 At least 20% of the total number of units are tested during each annual test cycle. 6.3.6.5 The District, based on documentation submitted by the stationary source: 6.3.6.5.1 Determines that the margin of compliance for the identical units tested is significant and can be maintained on an on-going basis; or 6.3.6.5.2 Determines based on a review of sufficient emissions data that, though the margin of compliance is not substantial, other factors allow for the determination that the variability of emissions for identical tested units is low enough for confidence that the untested unit will be in compliance. These factors may include, but are not limited to, the following: 6.3.6.5.2.1 Historical records at the tested unit showing consistent invariant load; 6.3.6.5.2.2 Fuel characteristics yielding low variability and therefore assurance that emissions will be constant and below allowable levels; 6.3.6.5.2.3 Statistical analysis of a robust emissions data set demonstrating sufficiently low variability to convey assurance that the margin of compliance, though small, is reliable. 6.3.6.6 Should any of the representative units exceed the required emission limits, or if the District notifies the operator that the criteria in Sections 6.3.6.1 through 6.3.6.5 have not been fulfilled, each of the units in the group shall individually demonstrate compliance by emissions testing. Failure to complete emissions testing within 90 days of the failed test shall result in the untested units being in violation of this rule. After compliance with the requirements of this section has been demonstrated, subsequent source testing shall be performed pursuant to Sections 6.3.2 or 6.3.6.	
	6.4 Test Methods Compliance with the requirements of Section 5.0 shall be determined, as required, in accordance with the following test procedures or any other method approved by EPA and the APCO: 6.4.1 Oxides of nitrogen - EPA Method 7E, or ARB Method 100. 6.4.2 Carbon monoxide - EPA Method 10, or ARB Method 100.	6.4 Test Methods Compliance with the requirements of Section 5.2 shall be determined, as required, in accordance with the following test procedures or any other method approved by EPA and the APCO: 6.4.1 Oxides of nitrogen - EPA Method 7E, or ARB Method 100. 6.4.2 Carbon monoxide - EPA Method 10, or ARB Method 100.	**The Non-SIP approved version of this rule added SO_x test methods to the SIP approved version of this rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	6.4.3 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100. 6.4.4 Volatile organic compounds - EPA Method 25A or 25B, or ARB Method 100. 6.4.5 Operating horsepower determination - any method approved by EPA and the APCO.	6.4.3 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100. 6.4.4 Volatile organic compounds - EPA Method 25A or 25B, or ARB Method 100. Methane and ethane, which are exempt compounds, shall be excluded from the result of the test. 6.4.5 Operating horsepower determination - any method approved by EPA and the APCO. 6.4.6 SOx Test Methods 6.4.6.1 Oxides of sulfur – EPA Method 6C, EPA Method 8, or ARB Method 100. 6.4.6.2 Determination of total sulfur as hydrogen sulfide (H2S) content – EPA Method 11 or EPA Method 15, as appropriate. 6.4.6.3 Sulfur content of liquid fuel – American Society for Testing and Materials (ASTM) D 6920-03 or ASTM D 5453-99. 6.4.6.4 The SOx emission control system efficiency shall be determined using the following: % Control Efficiency = [(CSO2, inlet – CSO2, outlet) / CSO2, inlet] X 100 Where: CSO2, inlet = concentration of SOx (expressed as SO2) at the inlet side of the SOx emission control system, in lb/Dscf CSO2, outlet = concentration of SOx (expressed as SO2) at the outlet side of the SOx emission control system, in lb/Dscf 6.4.7 The Higher Heating Value (hhv) of the fuel shall be determined by one of the following test methods: 6.4.7.1 ASTM D 240-02 or ASTM D 3282-88 for liquid hydrocarbon fuels. 6.4.7.2 ASTM D 1826-94 or ASTM 1945-96 in conjunction with ASTM D 3588-89 for gaseous fuel.	

	6.5 Inspection and Monitoring (I&M) Plan The owner of an engine that is subject to the requirements of Section 5.1 or the requirements of Section 8.0, except for an engine specified in Section 6.5.1, shall submit to the APCO for approval, an I&M plan that specifies all actions to be taken to satisfy the following requirements and the requirements of Section 5.6. The actions to be identified in the I&M plan shall include, but are not limited to, the information specified below: 6.5.1 The requirements of Section 6.5.2 through Section 6.5.9 shall not apply to any of the following engines: 6.5.1.1 A certified compression-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.5.1.2 A certified spark-ignited engine that has not been retro-fitted with an exhaust control and is not subject to the requirements of Section 8.0. 6.5.1.3 An AO spark-ignited engine that has not been retro-fitted with a catalytic emission control device and is not subject to the requirements of Section 8.0. 6.5.1.4 An engine subject to Section 4.2. 6.5.1.5 An engine subject to Section 4.3. 6.5.1.6 An engine with an operating exhaust control system that has been certified in accordance with Section 9.0 Exhaust Control System Certification Requirements. 6.5.2 Procedures requiring the owner or operator to establish ranges for control equipment parameters, engine operating parameters, and engine exhaust oxygen concentrations that source testing has shown result in pollutant concentrations within the rule limits. 6.5.3 Procedures for monthly inspections as approved by the APCO. The applicable control equipment parameters and engine operating parameters will be inspected and monitored monthly in conformance with a regular inspection schedule listed in the I&M plan. 6.5.4 Procedures for the corrective actions on the noncompliant parameter(s) that the owner or operator will take when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.5 Procedures for the owner or operator to notify the APCO when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust	6.5 Inspection and Monitoring (I&M) Plan The operator of an engine that is subject to the requirements of Section 5.2 or the requirements of Section 8.0 shall submit to the APCO for approval, an I&M plan that specifies all actions to be taken to satisfy the following requirements and the requirements of Section 5.8. The actions to be identified in the I&M plan shall include, but are not limited to, the information specified below. If there is no change to the previously approved I&M plan, the operator shall submit a letter to the District indicating that previously approved plan is still valid. 6.5.1 The requirements of Section 6.5.2 through Section 6.5.9 shall apply to the following engines: 6.5.1.1 Engines that have been retrofitted with an exhaust control device, except those certified per Section 9.0; 6.5.1.2 Engines subject to Section 8.0; 6.5.1.3 An AO spark-ignited engine that is subject to the requirements of Section 8.0. 6.5.1.4 An AO spark-ignited engine that has been retrofitted with a catalytic emission control and is not subject to the requirements of Section 8.0. 6.5.2 Procedures requiring the operator to establish ranges for control equipment parameters, engine operating parameters, and engine exhaust oxygen concentrations that source testing has shown result in pollutant concentrations within the rule limits. 6.5.3 Procedures for monthly inspections as approved by the APCO. The applicable control equipment parameters and engine operating parameters will be inspected and monitored monthly in conformance with a regular inspection schedule listed in the I&M plan. 6.5.4 Procedures for the corrective actions on the noncompliant parameter(s) that the operator will take when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.5 Procedures for the operator to notify the APCO when an engine is found to be operating outside the acceptable range for control equipment parameters, engine operating parameters, and engine exhaust NOx, CO, VOC, or oxygen concentrations. 6.5.6 Procedures for preventive and corrective maintenance performed for the purpose of maintaining an engine in proper operating	**The non-SIP approved version of this rule includes what engine categories are subject to this section. The SIP approved version has a list of what engines are exempt from this section. However, there is no change in the actual engine categories that are required to meet these section requirements. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	NOx, CO, VOC, or oxygen concentrations. 6.5.6 Procedures for preventive and corrective maintenance performed for the purpose of maintaining an engine in proper operating condition. 6.5.7 Procedures and a schedule for using a portable NOx analyzer to take NOx emission readings pursuant to Section 5.6.9. 6.5.8 Procedures for collecting and recording required data and other information in a form approved by the APCO including, but not limited to, data collected through the I&M plan and the monitoring systems described in Sections 5.6.1 and 5.6.2. Data collected through the I&M plan shall have retrieval capabilities as approved by the APCO. 6.5.9 Procedures for revising the I&M plan. The I&M plan shall be updated to reflect any change in operation. The I&M plan shall be updated prior to any planned change in operation. An engine owner that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the APCO no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For new engines and modifications to existing engines, the I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit-to-Operate or Permit-Exempt Equipment Registration. The owner of an engine may request a change to the I&M plan at any time.	condition. 6.5.7 Procedures and a schedule for using a portable NOx analyzer to take NO_x emission readings pursuant to Section 5.8.9. 6.5.8 Procedures for collecting and recording required data and other information in a form approved by the APCO including, but not limited to, data collected through the I&M plan and the monitoring systems described in Sections 5.8.1 and 5.8.2. Data collected through the I&M plan shall have retrieval capabilities as approved by the APCO. 6.5.9 Procedures for revising the I&M plan. The I&M plan shall be updated to reflect any change in operation. The I&M plan shall be updated prior to any planned change in operation. An engine operator that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the APCO no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For new engines and modifications to existing engines, the I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator of an engine may request a change to the I&M plan at any time.	
7.0 Compliance Schedules	7.1 Loss of Exemption The owner of an engine which becomes subject to the emission limits/standards of this rule through loss of exemption shall not operate the subject engine, except as required for obtaining a new or modified Permit-to-Operate or Permit-Exempt Equipment Registration for the engine, until the owner demonstrates that the subject engine is in full compliance with the requirements of this rule.	7.1 Loss of Exemption The operator of an engine which becomes subject to the emission limits/standards of this rule through loss of exemption shall not operate the subject engine, except as required for obtaining a new or modified Permit-to-Operate or Permit-Exempt Equipment Registration for the engine, until the operator demonstrates that the subject engine is in full compliance with the requirements of this rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	7.2 Permanent Removal of an Engine The owner of an engine who elects to permanently remove the engine from service shall comply with all of the following conditions: 7.2.1 Comply with all applicable requirements of this rule until the engine is permanently removed from service; 7.2.2 Submit a letter to the APCO no later than 14 days before the engine is permanently removed from service, stating the intent to	7.2 Permanent Removal of an Engine The operator of an engine who elects to permanently remove the engine from service shall comply with all of the following conditions: 7.2.1 Comply with all applicable requirements of this rule until the engine is permanently removed from service; 7.2.2 Submit a letter to the APCO no later than 14 days before the engine is permanently	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	permanently remove the engine from service. The engine removal letter can be submitted with the emission control plan, if any; and 7.2.3 Permanently remove the engine from service and officially surrender the Permit-to-Operate or Permit-Exempt Equipment Registration, if any, to the APCO no later than 30 days after the engine is permanently removed from service.	removed from service, stating the intent to permanently remove the engine from service. The engine removal letter can be submitted with the emission control plan, if any; and 7.2.3 Permanently remove the engine from service and officially surrender the Permit-to-Operate or Permit-Exempt Equipment Registration, if any, to the APCO no later than 30 days after the engine is permanently removed from	
	7.3 Compliance Schedule for an AO Compression-Ignited Engine 7.3.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, Permit-Exempt Equipment Registration Application and Authority-to-Construct for an AO Compression-Ignited Engine 7.3.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than January 1, 2006. 7.3.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of Rule 4702, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, no later than six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702. 7.3.1.3 The owner of an engine that is subject to Section 5.1 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan, no later than three months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702. 7.3.2 Compliance Schedule - Monitoring and Recordkeeping for an AO Compression-Ignited Engine Subject to Section 5.1 and Section 5.7 On and after June 1, 2006, the owner of an engine that is subject to Section 5.1 and Section 5.7 of Rule 4702 shall be in compliance with the requirements of Section 5.7, Section 6.2.1.1, and Section 6.2.1.2. 7.3.3 Compliance Schedule - General for an AO Compression-Ignited Engine	7.3 AO Compression-Ignited Engine 7.3.1 The operator of an AO compression-ignited engine that is subject to Section 5.2 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of this rule, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, no later than six months before the engine is required to be in compliance with the requirements of Section 5.2. 7.3.2 The operator of an AO compression-ignited engine that is subject to Section 5.2 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan, no later than three months before the engine is required to be in compliance with the requirements of Section 5.2. 7.3.3 Unless otherwise specified, the operator of an engine that is subject to the requirements of Section 5.2 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates in Table 4.	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	7.3.3.1 On and after January 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.2 or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.3.3.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.2.		
	7.4 Compliance Schedule for an AO Spark-Ignited Engine 7.4.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, Permit-Exempt Equipment Registration Application and Authority-to-Construct for an AO Spark-Ignited Engine 7.4.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than January 1, 2006. 7.4.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Authority-to-Construct application in order to comply with the requirements of Rule 4702, shall submit the Authority-to-Construct application, and any required Emission Control Plan or I&M Plan, by June 1, 2006, or six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.4.1.3 The owner of an engine that is subject to Section 5.1 and that is required to submit a Permit-Exempt Equipment Registration application in order to comply with the requirements of Rule 4702, shall submit the Permit-Exempt Equipment Registration application, and any required Emission Control Plan or I&M Plan by January 1, 2007, or three months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.4.2 Compliance Schedule - Monitoring and Recordkeeping for an AO Spark-Ignited Engine Subject to Section 5.1 and Section 5.7 On and after June 1, 2006, the owner of an engine that is subject to Section 5.1 and Section 5.7 of Rule 4702 shall be in compliance with the requirements of Section 5.7.3 through Section		**AO spark-ignited engines are were required to be in full compliance with this rule by 1/1/10. The requirements from this section of the rule are obsolete and not required on the Non-SIP approved version of the rule. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	5.7.5, Section 6.2.1.1, and Section 6.2.1.2. 7.4.3 Compliance Schedule - General for an AO Spark-Ignited Engine 7.4.3.1 On and after June 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.2 or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.4.3.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.1.		
	7.5 Compliance Schedule for a Non-AO Compression-Ignited Engine 7.5.1 Compliance Schedule - Submission of Emission Control Plan, I&M Plan, and Authority-to-Construct for a Non-AO Compression-Ignited Engine 7.5.1.1 The owner of an engine that is subject to Section 4.2 or Section 4.3 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than June 1, 2006. 7.5.1.2 The owner of an engine that is subject to Section 5.1 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) by June 1, 2006 or six months before the engine is required to be in compliance with the requirements of Section 5.1 of Rule 4702, whichever is later. 7.5.2 Compliance Schedule - General for a Non-AO Compression-Ignited Engine 7.5.2.1 On and after June 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.1, Section 4.2, or Section 4.3 of Rule 4702 shall be in full compliance with Rule 4702. 7.5.2.2 Unless otherwise specified, the owner of an engine that is subject to the requirements of Section 5.1 of Rule 4702 shall be in full compliance with Rule 4702 by the indicated dates pursuant to Section 5.1.2. 7.5.2.3 The owner of an engine that is subject to the requirements of Section 4.0 or Section 5.0 of Rule 4701 (Internal Combustion Engines – Phase 1) shall no longer be subject to the requirements of Rule 4701 pursuant to the following requirements: 7.5.2.3.1 For an engine that is subject to the requirements of Section 4.1, Section 4.2, or	7.4 Non-AO Compression-Ignited Engine 7.4.1 The operator of a non-AO compression-ignited engine that is subject to Section 5.2 and that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with rule requirements, shall submit such document(s) no later than six months before the engine is required to be in compliance with the requirements of Section 5.2. 7.4.2 Unless otherwise specified, the operator of an engine that is subject to the requirements of Section 5.2 shall be in full compliance with Rule 4702 by the indicated dates in Table 4.	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	Section 4.3 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702, or 7.5.2.3.2 For an engine that is subject to the requirements of Section 5.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702.		
	7.6 Compliance Schedule for a Non-AO Spark-Ignited Engine 7.6.1Compliance Schedule - Submission of Emission Control Plan, I&M Plan, and Authority-to-Construct for a Non-AO Spark-Ignited Engine Effective on and after June 16, 2005, the owner of an engine that is required to submit an Emission Control Plan, an I&M Plan, or an Authority-to-Construct in order to comply with the requirements of Rule 4702, shall submit such document(s) no later than six months before the engine is required to be in full compliance with Rule 4702. 7.6.2Compliance Schedule – Emission Limits for a Non-AO Spark-Ignited Engine The owner of a non-AO spark-ignited engine subject to the requirements of Rule 4702 shall not operate the engine unless the owner demonstrates and maintains the engine in compliance with the applicable requirements of Rule 4702 by the indicated dates below. Compliance Schedule 1 – Non-AO Spark-Ignited Engine For the purposes of Section 7.6, the total number of non-AO spark-ignited engines at a stationary source on a specified date includes those non-AO spark-ignited engines subject to Rule 4702 pursuant to Section 2.0 and excludes any engines exempt from Rule 4702 pursuant to Section 4.1 on the specified date. 7.6.3Compliance Schedule - General for a Non-AO Spark-Ignited Engine 7.6.3.1 On and after January 1, 2006, unless otherwise specified, the owner of an engine that is subject to the requirements of Section 4.1 of Rule 4702 shall be in full compliance with Rule 4702.	Note: This section refers to Table 5. Table 5 can be found as an attachment to this document. 7.5 Non-AO Spark-Ignited Engine 7.5.1 An operator with non-AO spark-ignited engines at a stationary source subject to Table 2 or Section 8.0 emission limits, SOx control requirements of Section 5.7, and the SOx monitoring requirements of Section 5.10 shall comply with the schedule specified in Table 5. 7.5.2 As shown in Table 5, the column labeled: 7.5.2.1 "Emission Control Plan" identifies the date by which the operator shall submit an emission control plan pursuant to the applicable provisions of Section 6.1. The emission control plan shall identify all the Non-AO spark-ignited engines subject to Table 2 emission limits, SOx control and monitoring requirements. The emission control plan shall identify all the steps to be taken to comply with this rule. If there is no change to the previously approved emission control plan, the operator does not need to submit a new emission control plan. However, the operator shall submit a letter to the District indicating that previously approved plan is still valid. 7.5.2.2 "Authority to Construct and Inspection and Maintenance Plan" identifies the date by which the operator shall submit an Authority to Construct (if needed) and an Inspection and Monitoring Plan as specified in the applicable provisions of Section 6.5 for each engine subject to Table 2 emission limits, SOx control and monitoring requirements. If there is no change to the previously approved I&M plan, the operator does not need to submit a new I&M Plan. However, the operator shall submit a letter to the District indicating that previously approved I&M plan is still valid. 7.5.2.3 "Full Compliance" identifies the date by which the operator shall demonstrate that each unit is in compliance with Table 2	**The Non-SIP approved version of this rule only includes current requirements from the SIP approved version. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	7.6.3.2 Unless otherwise specified, the owner of an engine subject to the requirements of Rule 4702 shall be in full compliance with Rule 4702 by the applicable compliance date pursuant to Section 7.6.2. 7.6.3.3 The owner of an engine that is subject to the requirements of Rule 4701 shall no longer be subject to the requirements of Rule 4701 pursuant to the following requirements: 7.6.3.3.1 For an engine that is subject to the requirements of Section 4.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on and after January 1, 2006, or 7.6.3.3.2 For an engine that is subject to the requirements of Section 4.2, Section 4.3, or Section 5.1 of Rule 4702, the requirements of Rule 4701 shall not apply effective on the date that such engine is required to be in full compliance with Rule 4702.	emission limits, SOx control and monitoring requirements.	
		7.6 Operator of Non-AO Spark-Ignited Engine Who Elects to Pay Fees In lieu of complying with Table 2 NOx emission limits, the operator of a non-AO spark-ignited engine who elects to pay annual fees under Section 5.2.2.2 and Section 5.6 shall comply with the following requirements: 7.6.1 By the date specified in Table 5, submit an Emission Control Plan which includes the following information: 7.6.1.1 Number of engines at a stationary source that will comply under Section 5.2.2.2, 7.6.1.2 Location of each engine, 7.6.1.3 Engine manufacturer, model designation, engine serial number, and Permit-to-Operate number, and 7.6.1.4 Each engine's rated brake horsepower, fuel type, and type of ignition. 7.6.2 The total annual fees shall be paid to the District in the following manner: 7.6.2.1 Payment shall be paid no later than June 30 of each year, for the emissions of the previous calender year, 7.6.2.2 The first payment is due to the District no later than June 30 of the year in which full compliance is required for the specified percent of engines at a stationary as specified in Table 5 that the operator has opted to pay the annual fees,	**This section was added to address a new unit category. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

		7.6.2.3 Should June 30 fall on a day when the District is closed, the payment shall be made by the next District working day after June 30, and 7.6.2.4 Payments shall continue annually until the engine either is permanently removed from use in the San Joaquin Valley Air Basin and the Permit-to-Operate is surrendered or the operator demonstrates compliance with the applicable Table 2 emission limits. 7.6.2.5 The emissions fee for units that operate for less than the full calendar year before demonstrating compliance under Section 5.2, shall be based on the actual fuel used during the portion of the calendar year prior to demonstrating compliance or removing the unit from operation within the San Joaquin Valley Air Basin.	
8.0 Alternative Emission Control Plan (AECP)	An owner may comply with the NOx emission requirements of Section 5.1 for a group of engines by meeting the requirements below. An owner that is subject to the requirements below shall also comply with all the applicable requirements of Sections 5.0, 6.0, and 7.0. An engine that is not subject to Section 5.1 is not eligible for inclusion in an AECP. 8.1 During any 7 (seven) consecutive calendar day period, the owner shall operate all engines in the AECP to achieve an actual aggregate NOx emission level that is not greater than 90 percent of the NOx emissions that would be obtained by controlling the engines to comply individually with the NOx limits in Section 5.1. The owner shall operate engines in the AECP such that $AE_{Actual} <= 0.90 (AE_{Limit})$ and shall notify the APCO within 24 hours of a violation of this section. 8.1.1 The actual aggregate NOx emissions (AE_{Actual}) is the sum of the actual NOX emissions, over a 7 (seven) consecutive calendar day period, from all engines in the AECP which were actually operated during that period. AE_{Actual} shall be calculated as follows: $$AE_{Actual} = \sum_i (EF_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EF_i is the NOx emission factor of the engine established pursuant to Section 8.2 and approved by the APCO. F_i is the actual total fuel used by the engine during the 7 (seven) consecutive calendar	An operator may comply with the NOx emission requirements of Section 5.2 for a group of engines by meeting the requirements below. An operator that is subject to the requirements below shall also comply with all the applicable requirements of Sections 5.0, 6.0, and 7.0. Only engines subject to Section 5.2 are eligible for inclusion in an AECP. 8.1 During any seven (7) consecutive calendar day period, the operator shall operate all engines in the AECP to achieve an actual aggregate NOx emission level that is not greater than 90 percent of the NOx emissions that would be obtained by controlling the engines to comply individually with the NOx limits in Section 5.2. The operator shall operate engines in the AECP such that $AE_{Actual} \leq 0.90 (AE_{Limit})$ and shall notify the APCO within 24 hours of any violation of this section. 8.1.1 The actual aggregate NOx emissions (AE_{Actual}) is the sum of the actual NO_x emissions, over a seven (7) consecutive calendar day period, from all engines in the AECP which were actually operated during that period. AE_{Actual} shall be calculated as follows: $$AE_{Actual} = \sum_i (EF_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EF_i is the NOx emission factor of the engine established pursuant to Section 8.2 and approved by the APCO. F_i is the actual total fuel used by the engine during the 7 (seven) consecutive calendar	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	day period. k_i is a constant used to convert an engine's fuel use and NOx emission factor to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.2 The estimated aggregate NOx emissions limit (AE_{Limit}) is the sum of the NOx emissions, over a 7 (seven) consecutive calendar day period, for the same engines in the AECP which were actually operated during the same period as considered in Section 8.1.1, calculated with the NOx limits of Section 5.1 and the actual fuel usage during that 7 (seven) consecutive calendar day period. AE_{Limit} shall be calculated as follows: $$AE_{Limit} = \sum_i (EL_i)(F_i)(k_i)$$ where: i identifies each engine in the AECP. EL_i is the NOx emission limit from Section 5.1 for each engine. F_i is the actual total fuel used by the engine during the 7 (seven) consecutive calendar day period. k_i is a constant used to convert an engine's fuel use and NOx emission limit to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.3 Only engines in the AECP which were operated during the 7 (seven) consecutive calendar day period shall be included in the calculations of AE_{Limit} and AE_{Actual}. 8.1.4 The owner shall, at least one time each day the AECP is used, calculate and record the actual aggregate NOx emissions (AE_{Actual}) and the aggregate NOx emission limit (AE_{Limit}) for the preceding 7 (seven) consecutive calendar day period.	day period. k_i is a constant used to convert an engine's fuel use and NOx emission factor to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.2 The estimated aggregate NOx emissions limit (AE_{Limit}) is the sum of the NOx emissions, over a seven (7) consecutive calendar day period, for the same engines in the AECP which were actually operated during the same period as considered in Section 8.1.1, calculated with the NOx limits of Section 5.2 and the actual fuel usage during that seven (7) consecutive calendar day period. AE_{Limit} shall be calculated as follows: $$AE_{Limit} = \sum_i (EL_i)(F_i)(k_i)$$ where: i = identifies each engine in the AECP. EL_i = the NOx emission limit from Section 5.2 for each engine. F_i = the actual total fuel used by the engine during the seven (7) consecutive calendar day period. k_i = a constant used to convert an engine's fuel use and NOx emission limit to the amount of NOx emitted. k_i is dependent on the engine and the pollutant emitted. Calculation of k_i shall be accomplished using 40 CFR Part 60, Appendix A, Method 19, or an equivalent method approved by EPA, ARB and the APCO. 8.1.3 Only engines in the AECP which were operated during the seven (7) consecutive calendar day period shall be included in the calculations of AE_{Limit} and AE_{Actual}. 8.1.4 The operator shall, at least one time each day the AECP is used, calculate and record the actual aggregate NOx emissions (AE_{Actual}) and the aggregate NOx emission limit (AE_{Limit}) for the preceding seven (7) consecutive calendar day period.	
	8.2 The owner shall establish a NOx emission factor limit for each engine. The established NOx emission factor of an engine shall be no less than the NOx emission factor of the engine from the most recent source test conducted pursuant to Section 6.3 and approved by the APCO. The owner shall not operate an AECP engine in such a manner that NOx emissions exceed the established NOx emission factor of the engine.	8.2 The operator shall establish a NOx emission factor limit for each engine. The established NOx emission factor of an engine shall be no less than the NOx emission factor of the engine from the most recent source test conducted pursuant to Section 6.3 and approved by the APCO. The operator shall not operate an AECP engine in such a manner that NOx emissions exceed the established NOx emission factor of the engine.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	8.3 The owner shall submit the AECP to the APCO at least 18 months before compliance with the emission limits in Section 5.1 is required. The AECP shall: 8.3.1 Not be implemented prior to APCO approval. 8.3.2 Be enforceable on a daily basis by the District. 8.3.3 Contain any information necessary to determine eligibility of the engines for alternative emission control, including, but not limited to: 8.3.3.1 A list of engines subject to the AECP. All engines in an AECP shall be under the operational control of a single owner and shall be located at a single stationary source. 8.3.3.2 The NOx emission factor established by the engine owner for each engine pursuant to Section 8.2. 8.3.3.3 The estimated aggregate NOx emissions calculated according to Section 8.1.2. 8.3.4 Present the methodology for determining equivalency of actual NOx emissions under the proposed AECP as compared to the estimated NOx emissions allowed by this rule. 8.3.5 Detail the method of recording and verifying daily compliance with the AECP. 8.3.6 Demonstrate to the satisfaction of the APCO that the difference between the NOx emission limits of this rule and any lower actual NOx emissions will not be used to increase emissions from the same or another source. 8.3.7 Demonstrate that the engines subject to the requirements of Section 5.1 are in compliance with or on an approved schedule for compliance with all applicable District rules.	8.3 The operator shall submit the AECP to the APCO at least 18 months before compliance with the emission limits in section 5.2 is required. The AECP shall: 8.3.1 Not be implemented prior to APCO approval. 8.3.2 Be enforceable on a daily basis by the District. 8.3.3 Contain any information necessary to determine eligibility of the engines for alternative emission control, including, but not limited to: 8.3.3.1 A list of engines subject to the AECP. All engines in an AECP shall be under the operational control of a single operator and shall be located at a single stationary source, 8.3.3.2 The NOx emission factor established by the engine operator for each engine pursuant to Section 8.2, and 8.3.3.3 The estimated aggregate NOx emissions calculated according to Section 8.1.2. 8.3.4 Present the methodology for determining equivalency of actual NO_x emissions under the proposed AECP as compared to the estimated NO_x emissions allowed by this rule. 8.3.5 Detail the method of recording and verifying daily compliance with the AECP. 8.3.6 Demonstrate to the satisfaction of the APCO that the difference between the NOx emission limits of this rule and any lower actual NOx emissions will not be used to increase emissions from the same or another source. 8.3.7 Demonstrate that the engines subject to the requirements of Section 5.2 are in compliance with or on an approved schedule for compliance with all applicable District rules.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	8.4 The owner shall submit an updated or modified AECP for approval by the APCO prior to any of the following: 8.4.1 Modification of the engine(s) which would require an Authority-to-Construct. 8.4.2 When new or amended rules are adopted which regulate the emissions from the engines. 8.4.3 When the NOx emission factor established by the engine owner for an engine pursuant to Section 8.2 is modified.	8.4 The operator shall submit an updated or modified AECP for approval by the APCO prior to any of the following: 8.4.1 Modification of the engine(s) which would require an Authority-to- Construct; 8.4.2 When new or amended rules are adopted which regulate the emissions from the engines; or 8.4.3 When the NOx emission factor established by the engine operator for an engine pursuant to Section 8.2 is modified.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	8.5 In addition to the records kept pursuant to Section 6.2, the owner shall maintain records, on a daily basis, of the parameters needed to demonstrate compliance with the applicable NOx emission limits when operating under the AECP. These records shall be retained for at least five years, shall be readily available, and be made available to the APCO upon request. The records shall include, but are not limited to, the following for each engine unless otherwise indicated: 8.5.1 Total hours of operation. 8.5.2 Type and quantity (cubic feet of gas or gallons of liquid) of fuel used. 8.5.3 The actual NOx emissions limits to be included in the calculation of AE_{Actual} pursuant to Section 8.1.1. 8.5.4 The actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP calculated pursuant to Section 8.1.1. 8.5.5 The estimated NOx emissions limits to be included in the calculation of AE_{Limit} pursuant to Section 8.1.2. 8.5.6 The estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP calculated pursuant to Section 8.1.2. 8.5.7 The comparison of the actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP and 90 percent of the estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP to demonstrate compliance with Section 8.1. 8.5.8 Any other parameters needed to demonstrate daily compliance with the applicable NOx emission limits when operating under the AECP.	8.5 In addition to the records kept pursuant to Section 6.2, the operator shall maintain records, on a daily basis, of the parameters needed to demonstrate compliance with the applicable NOx emission limits when operating under the AECP. These records shall be retained for at least five years, shall be readily available, and be made available to the APCO upon request. The records shall include, but are not limited to, the following for each engine unless otherwise indicated: 8.5.1 Total hours of operation, 8.5.2 Type and quantity (cubic feet of gas or gallons of liquid) of fuel used, 8.5.3 The actual NOx emissions limits to be included in the calculation of AE_{Actual} pursuant to Section 8.1.1, 8.5.4 The actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP calculated pursuant to Section 8.1.1, 8.5.5 The estimated NOx emissions limits to be included in the calculation of AE_{Limit} pursuant to Section 8.1.2, 8.5.6 The estimated aggregate NOx emissions (AE_{Limit}) for all the engines in the AECP calculated pursuant to Section 8.1.2, 8.5.7 The comparison of the actual aggregate NOx emissions (AE_{Actual}) for all the engines in the AECP and 90 percent of the estimated aggregate NO_X emissions (AE_{Limit}) for all the engines in the AECP to demonstrate compliance with Section 8.1, and 8.5.8 Any other parameters needed to demonstrate daily compliance with the applicable NOx emission limits when operating under the AECP.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	8.6 For the purpose of determining the quantity of spark-ignited engines in compliance pursuant to Section 7.6, a spark-ignited engine in an AECP shall not be considered to be in compliance until all spark-ignited engines in the AECP that have been designated to meet more stringent NOx emission factors pursuant to Section 8.2 are in compliance with the rule.	8.6 For the purpose of determining the quantity of spark-ignited engines in compliance pursuant to Section 7.5, a spark-ignited engine in an AECP shall not be considered to be in compliance until all spark-ignited engines in the AECP that have been designated to meet more stringent NOx emission factors pursuant to Section 8.2 are in compliance with the rule.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

9.0 Exhaust Control System Certification Requirements	9.1 To be considered for APCO certification, the manufacturer or operator shall comply with all of the following requirements: 9.1.1 Certification shall be based upon the emission source testing results of a specific exhaust control system. 9.1.2 A source testing protocol shall be submitted in accordance with the provisions of Rule 1081 (Source Sampling) for approval by the APCO prior to conducting the source test. The source testing protocol approved by the APCO shall be strictly adhered to during certification source testing. 9.1.3 Source testing shall be conducted over the range of operating parameters for which the unit(s) will be operated. 9.1.4 The source testing results shall demonstrate compliance with the emission limits of this rule for each model of exhaust control system(s) to be certified. 9.1.5 The source testing procedure and reports shall be prepared by an ARB- approved independent testing laboratory, and shall contain all the elements identified in the APCO-approved source testing protocol. 9.1.6 Source testing shall be conducted no more than 90 days prior to the date of submission of request for certification by the APCO. 9.1.7 Any additional supporting information required by the APCO to address other performance parameters.	9.1 To be considered for APCO certification, the manufacturer or operator shall comply with all of the following requirements: 9.1.1 Certification shall be based upon the emission source testing results of a specific exhaust control system. 9.1.2 A source testing protocol shall be submitted in accordance with the provisions of Rule 1081 (Source Sampling) for approval by the APCO prior to conducting the source test. The source testing protocol approved by the APCO shall be strictly adhered to during certification source testing. 9.1.3 Source testing shall be conducted over the range of operating parameters for which the unit(s) will be operated. 9.1.4 The source testing results shall demonstrate compliance with the emission limits of this rule for each model of exhaust control system(s) to be certified. 9.1.5 The source testing procedure and reports shall be prepared by an ARB approved independent testing laboratory, and shall contain all the elements identified in the APCO-approved source testing protocol. 9.1.6 Source testing shall be conducted no more than 90 days prior to the date of submission of request for certification by the APCO, and 9.1.7 Any additional supporting information required by the APCO to address other performance parameters.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.2 The manufacturer or operator requesting certification shall submit to the APCO the following information: 9.2.1 Copies of the source testing results conducted pursuant to the requirements of Section 9.1, and other pertinent technical data to demonstrate compliance with the emission limits of this rule. 9.2.2 The applicant shall sign and date the statement attesting to the accuracy of all information in the statement. 9.2.3 Name and address of the exhaust control system manufacturer or operator, brand name of the exhaust control unit, model number, and description of model of system(s) being certified.	9.2 The manufacturer or operator requesting certification shall submit to the APCO the following information: 9.2.1 Copies of the source testing results conducted pursuant to the requirements of Section 9.1, and other pertinent technical data to demonstrate compliance with the emission limits of this rule, 9.2.2 The applicant shall sign and date the statement attesting to the accuracy of all information in the statement, and 9.2.3 Name and address of the exhaust control system manufacturer or operator, brand name of the exhaust control unit, model number, and description of model of system(s) being certified.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

	9.3 The APCO will only approve an application for certification to the extent that the requirements of Sections 9.1 through 9.2 are met and the source testing results demonstrate that the emission limits of this rule are met.	9.3 The APCO will only approve an application for certification to the extent that the requirements of Sections 9.1 through 9.2 are met and the source testing results demonstrate that the emission limits of this rule are met.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.4 The APCO-approved certification is valid only for the range of operating parameters and conditions for which certification is issued.	9.4 The APCO-approved certification is valid only for the range of operating parameters and conditions for which certification is issued.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**
	9.5 The APCO shall publish a list of certified exhaust control systems after the certification process is completed.	9.5 The APCO shall publish a list of certified exhaust control systems after the certification process is completed.	**There is no change in the requirements of this section. Therefore, the non-SIP version of the rule is as stringent as the SIP version of the rule.**

District Rule 4702 was amended (8/18/2011). As analyzed, each amended section of the non-SIP version of the rule is at least as stringent as, or more stringent than the corresponding section of the SIP version of the rule. Therefore, it is concluded that overall the non-SIP version of the rule is more stringent than the SIP version of the rule

SIP APPROVED VERSION OF DISTRICT RULE 4702

Table 1 Emission Limits/Standards for a Spark-Ignited Internal Combustion Engine and Emission Limits/Standards and Compliance Schedule for a Spark-Ignited Engine Used Exclusively in Agricultural Operations (corrected to 15% oxygen on a dry basis)

Engine Type	NOx	CO	VOC
1. Rich-Burn			
a. Waste gas fueled	50 ppmv or 90% reduction	2000 ppmv	250 ppmv
b. Cyclic loaded, field gas fueled	50 ppmv	2000 ppmv	250 ppmv
c. All other engines	25 ppmv or 96% reduction	2000 ppmv	250 ppmv
2. Lean-Burn			
a. Two stroke, gaseous fueled, less than 100 horsepower	75 ppmv or 85% reduction	2000 ppmv	750 ppmv
b. All other engines	65 ppmv or 90% reduction	2000 ppmv	750 ppmv
3. Rich-Burn Engine Used Exclusively in Agricultural Operations			
a. Comply by 1/1/2009, or if owner has an agreement to electrify, comply by 1/1/2010	90 ppmv or 80% reduction	2000 ppmv	250 ppmv
4. Lean-Burn Engine Used Exclusively in Agricultural Operations			
a. Comply by 1/1/2009 or if owner has an agreement to electrify comply by 1/1/2010	150 ppmv or 70% reduction	2000 ppmv	750 ppmv
5. Certified Spark-Ignited Engine Used Exclusively in AO and installed on or before June 16, 2005			
a. Comply by 6/1/2006	Meet Certified Spark-Ignited Engine Standard of HC+NOx < 0.6 g/bhp-hr		

SIP APPROVED VERSION OF DISTRICT RULE 4702

Table 2 Emission Limits/Standards and Compliance Schedule for a Compression-Ignited Internal Combustion Engine (corrected to 15% oxygen on a dry basis)

Engine Type	Emission Limit/ Standard	Compliance Date
1. Non-Certified Compression-Ignited Engine		
a. Greater than 50 bhp but not more than 500 bhp	EPA Tier 3 or Tier 4	1/1/2010
b. Greater than 500 bhp but not more than 750 bhp and less than 1000 annual operating hours	EPA Tier 3	1/1/2010
c. Greater than 750 bhp and less than 1000 annual operating hours	EPA Tier 4	7/1/2011
d. Greater than 500 bhp and greater than or equal to 1000 annual operating hours	80 ppm NOx, 2,000 ppm CO, 750 ppm VOC	1/1/2008 or, if owner has an agreement to electrify, comply by 1/1/2010
2. Certified Compression-Ignited Engine		
a. EPA Certified Tier 1 or Tier 2 Engine	EPA Tier 4	1/1/2015 or 12 years after installation date, whichever is later
b. EPA Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	At time of installation

SIP APPROVED VERSION OF DISTRICT RULE 4702

Compliance Schedule 1 – Non-AO Spark-Ignited Engine

Quantity of Non-AO Spark-Ignited Engines to be in Compliance at a Stationary Source	Compliance Date
a. 25% or more of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2005	6/1/05
b. 62.5% or more of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2006	6/1/06
c. 100% of the total number of non-AO spark-ignited engines at a stationary source on June 1, 2007	6/1/07

Table 1 Emission Limits/Standards for a Spark-Ignited Internal Combustion Engine rated at >50 bhp Used Exclusively in Non-AO (All ppmv limits are corrected to 15% oxygen on a dry basis.).			
Engine Type	NOx	CO	VOC
1. Rich-Burn			
a. Waste gas fueled	50 ppmv or 90% reduction	2000 ppmv	250 ppmv
b. Cyclic loaded, field gas fueled	50 ppmv	2000 ppmv	250 ppmv
c. All other engines	25 ppmv or 96% reduction	2000 ppmv	250 ppmv
2. Lean-Burn			
a. Two stroke, gaseous fueled, less than 100 horsepower	75 ppmv or 85% reduction	2000 ppmv	750 ppmv
b. All other engines	65 ppmv or 90% reduction	2000 ppmv	750 ppmv

Table 2 Emission Limits for a Spark-Ignited Internal Combustion Engine Rated at > 50 bhp Used Exclusively in Non-AO (All ppmv limits are corrected to 15% oxygen on a dry basis). Emission Limits are effective according to the compliance schedule specified in Section 7.5.			
Engine Type	NOx (ppmv)	CO (ppmv)	VOC (ppmv)
1. Rich-Burn			
a. Waste Gas Fueled	50	2000	250
b. Cyclic Loaded, Field Gas Fueled	50	2000	250
c. Limited Use	25	2000	250
d. Rich-Burn Engine, not listed above	11	2000	250
2. Lean-Burn Engines			
a. Two-Stroke, Gaseous Fueled, >50 bhp and < 100 bhp	75	2000	750
b. Limited Use	65	2000	750
c. Lean-Burn Engine used for gas compression	65 ppmv or 93% reduction	2000	750
d. Lean-Burn Engine, not listed above	11	2000	750

Table 3 Emission Limits/Standards and Compliance Schedule for a Spark-Ignited Internal Combustion Engine > 50 bhp Used Exclusively in AO (All ppmv limits are corrected to 15% oxygen on a dry basis).			
Engine Type	NOx Limit	CO Limit	VOC Limit
1. Rich-Burn	90 ppmv or 80% reduction	2000 ppmv	250 ppmv
2. Lean-Burn	150 ppmv or 70% reduction	2000 ppmv	750 ppmv
3. Certified and installed on or before June 16, 2005	Meet a Certified Spark-Ignited Engine Standard of HC + NOx < 0.6 g/bhp-hr		

Table 4 Emission Limits/Standards and Compliance Schedule for Compression-Ignited Internal Combustion Engine (corrected to 15% oxygen on a dry basis)		
Engine Type	Emission Limit/ Standard	Compliance Date
1. Non-Certified Compression-Ignited Engine Installed on or before June 1, 2006		
a. Greater than 50 bhp but not more than 500 bhp	EPA Tier 3 or Tier 4	1/1/2010
b. Greater than 500 bhp but not more than 750 bhp and less than 1000 annual operating hours	EPA Tier 3	1/1/2010
c. Greater than 750 bhp and less than 1000 annual operating hours	EPA Tier 4	7/1/2011
d. Greater than 500 bhp and greater than or equal to 1000 annual operating hours	80 ppmv NOx, 2,000 ppmv CO, 750 ppmv VOC	1/1/2008 or, if owner has an agreement to electrify, comply by 1/1/2010
2. Certified Compression-Ignited Engine		
a. EPA Certified Tier 1 or Tier 2 Engine	EPA Tier 4	1/1/2015 or 12 years after installation date, but not later than 6/1/2018
b. EPA Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	At time of installation

Table 5 Compliance Schedule for Non-AO Spark-Ignited Engines Subject to Table 2 Emission Limits, and SOx Control and Monitoring Requirements			
Engines to be in Compliance at a Stationary Source	Emission Control Plan	Authority to Construct and Inspection and Monitoring Plan	Full Compliance
Operator with a single engine at a stationary source			
Single Engine	1/1/12	1/1/13	1/1/14
Operator with at least two engines, but less than 12 engines at a stationary source			
33% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/13	1/1/14
66% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/14	1/1/15
100% of the engines subject to Table 2 emission limits	7/1/12	1/1/15	1/1/16
Operator with at least 12 engines at a stationary source			
25% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/13	1/1/14
50% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/14	1/1/15
75% or more of the engines subject to Table 2 emission limits as of August 18, 2011	7/1/12	1/1/15	1/1/16
100% of the engines subject to Table 2 emission limits	7/1/12	1/1/16	1/1/17