



JUL 06 2010

Freider de Biasi
Worldcolor (USA) LLC
2201 Cooper Avenue
Merced, CA 95348

**Re: Notice of Preliminary Decision - Title V Permit Renewal
District Facility # N-1646
Project # N-1083761**

Dear Mr. Biasi:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Worldcolor (USA) LLC for its Graphic Arts Printing Operation at 2201 Cooper Avenue in Merced, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,



David Warner
Director of Permit Services

Attachments

C: Gurpreet Brar, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



JUL 06 2010

Gerardo C. Rios, Chief
Permits Office (AIR-3)
U.S. EPA - Region IX
75 Hawthorne St.
San Francisco, CA 94105

**Re: Notice of Preliminary Decision – Title V Permit Renewal
District Facility # N-1646
Project # N-1083761**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Worldcolor (USA) LLC for its Graphic Arts Printing Operation at 2201 Cooper Avenue in Merced, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

Attachments

C: Gurpreet Brar, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



JUL 06 2010

Mike Tollstrup, Chief
Project Assessment Branch
Air Resources Board
P O Box 2815
Sacramento, CA 95812-2815

**Re: Notice of Preliminary Decision - Title V Permit Renewal
District Facility # N-1646
Project # N-1083761**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Worldcolor (USA) LLC for its Graphic Arts Printing Operation at 2201 Cooper Avenue in Merced, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Sincerely,

David Warner
Director of Permit Services

Attachments

C: Gurpreet Brar, Permit Services Engineer

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585

Merced Sun Star

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED RENEWAL OF
THE FEDERALLY MANDATED OPERATING PERMIT**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed renewal of the Federally Mandated Operating Permit to Worldcolor (USA) LLC for its Graphic Arts Printing Operation at 2201 Cooper Avenue in Merced, California.

The District's analysis of the legal and factual basis for this proposed action, project #N-1083761, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed renewal of the Federally Mandated Operating permit. If requested by the public, the District will hold a public hearing regarding issuance of this renewed permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed renewed permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Worldcolor (USA) LLC
N-1646**

TABLE OF CONTENTS

I.	PROPOSAL	2
II.	FACILITY LOCATION	3
III.	EQUIPMENT LISTING	3
IV.	GENERAL PERMIT TEMPLATE USAGE	3
V.	SCOPE OF EPA AND PUBLIC REVIEW	3
VI.	FEDERALLY ENFORCEABLE REQUIREMENTS	3
VII.	REQUIREMENTS NOT FEDERALLY ENFORCEABLE	6
VIII.	PERMIT REQUIREMENTS	6
IX.	PERMIT SHIELD	39
X.	PERMIT CONDITIONS	39
XI.	ATTACHMENTS	39
A.	DRAFT RENEWED TITLE V OPERATING PERMIT	
B.	PREVIOUS TITLE V OPERATING PERMIT	
C.	DETAILED FACILITY LIST	

TITLE V PERMIT RENEWAL EVALUATION
Graphic Arts Printing Operation

Engineer: Gurpreet Brar
Date: June 7, 2010

Facility Number: N-1646
Facility Name: Worldcolor (USA) LLC
Mailing Address: 2201 Cooper Avenue
Merced, CA 95348

Contact Name: Freider de Biasi
Phone: (209) 384-0444

Responsible Official: Freider de Biasi
Title: Vice President/General Manager

Project # : N-1083761
Deemed Complete: November 12, 2008

I. PROPOSAL

Worldcolor (USA) LLC was issued a Title V permit on July 16, 2004. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

II. FACILITY LOCATION

Worldcolor (USA) LLC is located at 2201 Cooper Avenue in Merced, CA.

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is included as Attachment C.

IV. GENERAL PERMIT TEMPLATE USAGE

The applicant does not propose to use any model general permit templates.

V. SCOPE OF EPA AND PUBLIC REVIEW

The applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated

- District Rule 2020, Exemptions
(amended December 19, 2002 ⇒ amended December 20, 2007)
- District Rule 2201, New and Modified Stationary Source Review Rule
(amended September 21, 2006 ⇒ amended December 18, 2008)
- District Rule 4101, Visible Emissions
(amended November 15, 2001 ⇒ amended February 17, 2005)
- District Rule 4601, Architectural Coatings
(amended October 31, 2001 ⇒ amended December 17, 2009)

- District Rule 4607, Graphic Arts and Paper, Film, Foil, and Fabric Coatings
(amended December 20, 2001 ⇒ amended December 18, 2008)
- District Rule 4702, Internal Combustion Engines – Phase II
(amended August 21, 2003 ⇒ amended January 18, 2007)
- District Rule 8011, General Requirements
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8031, Bulk Materials
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8041, Carryout and Trackout
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8051, Open Areas
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads
(adopted November 15, 2001 ⇒ amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas
(adopted November 15, 2001 ⇒ amended September 16, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
- 40 CFR Part 82, Subpart B and F, Stratospheric Ozone

B. Rules Removed

None

C. Rules Added

- District Rule 4309, Dryers, Dehydrators, and Ovens (adopted December 15, 2005)
- 40 CFR Part 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

D. Rules Not Updated

- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1100, Equipment Breakdown (Non-SIP replacement for Kern County Rule 111) (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4001, New Source Performance Standards (amended April 14, 1999)

- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4801, Sulfur Compounds (Non-SIP replacement for Kern County Rule 108.1) (amended December 17, 1992)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits.

The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

For this facility, the following are not federally enforceable and will not be discussed in further detail:

A. Rules Added

None

Rules Not Updated

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

Condition 1 of facility wide requirements (N-1646-0-2) is based on the District Rule 4102 and will therefore not be discussed any further.

VIII. PERMIT REQUIREMENTS

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit.

A. District Rule 2020 - Exemptions

District Rule 2020 lists equipment which are specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any affect on current permit requirements and will therefore not be addressed in this evaluation.

B. District Rule 2201 - New and Modified Stationary Source Review Rule

District Rule 2201 has been amended since this facility's initial Title V permit was issued. This Title V permit renewal does not constitute a modification per section 3.24.1, defined as an action including at least one of the following items:

- 1) Any change in hours of operation, production rate, or method of operation of an existing emissions unit, which would necessitate a change in permit conditions.
- 2) Any structural change or addition to an existing emissions unit which would necessitate a change in permit conditions. Routine replacement shall not be considered to be a structural change.
- 3) An increase in emissions from an emissions unit caused by a modification of the Stationary Source when the emissions unit is not subject to a daily emissions limitation.
- 4) Addition of any new emissions unit which is subject to District permitting requirements.
- 5) A change in a permit term or condition proposed by an applicant to obtain an exemption from an applicable requirement to which the source would otherwise be subject.

Therefore, the updated requirements of this rule are not applicable to the permits being renewed as a part of this project.

The facility has submitted application for minor-modification of ATC N-1646-2-2 and N-1646-19-3 that will be processed in this project. The renewed PTOs will be based on the ATCs as a base document.

N-1646-2-3: PAPER SCRAP HANDLING SYSTEM SERVING THE PAPER SLITTERS ON PRINTING PRESS #524 & #531, INSERTER BINDERIES #733, #734, #735, #737, #738 AND #739 AND THE BINDERIES #760, #761, #762, #763, #764 AND #765. THE PAPER SCRAP FROM ALL THESE UNITS IS CONVEYED PNEUMATICALLY TO FIVE MAREN BALERS (A, B, C, D AND E) EACH SERVED BY ITS OWN SOCK FILTER SYSTEM

The renewed PTO will be based on the ATC N-1646-2-2 to modify a paper scrap handling system.

Conditions 2 through 4 from the ATC have been removed as these conditions are already included on the facility wide permit.

N-1646-19-4: PAPER SLITTING SYSTEM SERVING PRINTING PRESSES #507 AND #520, AND TWO HARRIS MODEL RG321 BINDER SAWS (BINDERS #713 AND #714). THE PAPER SCRAP FROM THESE UNITS IS CONVEYED PNEUMATICALLY TO A BALE MASTER BALER SERVED BY A MAC MODEL 44RPT 280 BAGHOUSE SYSTEM

The facility is proposing to include ATC N-1646-19-3 to modify a paper slitting system. The renewed PTO N-1646-19-4 will be based on this ATC.

- Permit condition 4 on the ATC was replaced by permit condition 5 on the proposed Permit to Operate. This condition requires a pressure differential gauge on the baghouse.
- Permit condition 6 was added to the proposed Permit to Operate to specify the minimum and maximum differential pressure required during the operation of baghouse.

C. District Rule 4101 - Visible Emissions

Section 5.0 prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101.

- Condition 26 on facility wide permit N-1646-0-2 assures compliance with the requirements of this rule.

D. District Rule 4309 - Dryers, Dehydrators, and Ovens

The purpose of this rule is to limit emissions of oxides of nitrogen (NO_x) and carbon monoxide (CO) from dryers, dehydrators, and ovens. This rule applies to any dryer, dehydrator, or oven that is fired on gaseous fuel, liquid fuel, or is fired on gaseous and liquid fuel sequentially, and the total rated heat input for the unit is 5.0 million British thermal units per hour (5.0 MMBtu/hr) or greater.

This rule was adopted in December 15, 2005 and also is SIP approved. This rule is only applicable to permit units N-1646-23, -25, -26, -36 and -38 of the facility.

Section 5.0, Requirements

Section 5.0 states that all ppmv limits specified in this section are referenced at dry stack gas conditions and adjusted using an oxygen correction factor of 19% by volume.

Section 5.2 requires that except for dehydrators, NO_x and CO emissions shall not exceed the limits specified in the table below on and after the full compliance schedules specified in Sections 7.1 and 7.3, as appropriate. All ppmv emission limits specified in this section are referenced at dry stack gas conditions and 19 percent by volume stack gas oxygen. Emission concentrations shall be corrected to 19 percent oxygen in accordance with Section 5.0.

NO_x and CO Limits				
Process Description	NO _x Limit (in ppmv)		CO Limit (in ppmv)	
	Gaseous Fuel Fired	Liquid Fuel Fired	Gaseous Fuel Fired	Liquid Fuel Fired
Asphalt/Concrete Plants	4.3	12.0	42	64
Milk, Cheese, and Dairy Processing < 20 MMBtu/hr	3.5	3.5	42	42
Milk, Cheese, and Dairy Processing > 20 MMBtu/hr	5.3	5.3	42	42
Other processes not described above	4.3	4.3	42	42

For the units that are subject to requirement of this rule have the following emission factors on current permits for Nox and CO:

- the NO_x emission factor is 5.3 ppmvd @ 19% O₂ (0.06 lb/MMBtu), and
- the CO emission factor is 42 ppmvd @ 19% O₂ (0.29 lb/MMBtu).

Compliance with the emission requirements of this rule is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	15, 16, 18 & 19
N-1646-25-3	16, 17, 21 & 22
N-1646-26-4	17, 18, 22 & 23
N-1646-36-3	18, 19, 23 & 24
N-1646-38-4	18, 19, 21 & 22

Section 5.3 states that the applicable emission limits in Section 5.2 shall not apply during start-up or shutdown provided an operator complies with the requirements specified below. This facility has not requested relaxed emission limit requirements for their unit during startup or shutdown, therefore this section does not apply to any unit.

Section 5.4, Monitoring Requirements

Section 5.4.1 states that except for dehydrators, the operator of any unit subject to the applicable emission limits in Sections 4.3.2, or 5.2 shall monitor emissions using one of the techniques specified in Sections 5.4.1.1 or 5.4.1.2.

Section 5.4.1.1 states the first technique as the installation and maintenance of an APCO approved CEMS for NO_x, and oxygen that meets the following requirements.

- 40 CFR Part 51, and
- 40 CFR Parts 60.7 and 60.13 (except subsection h), and
- 40 CFR Part 60 Appendix B (Performance Specifications), and
- 40 CFR Part 60 Appendix F (Quality Assurance Procedures), and
- The applicable provisions of District Rule 1080 (Stack Monitoring).
- The APCO shall only approve CEMS that meets the requirements of Sections 5.4.1.1.1 through 5.4.1.1.5 of this rule.

Section 5.4.1.2 states the second technique as the installation and maintenance of an alternate emissions monitoring method that meets the requirements of Sections 5.4.1.2.1 through 5.4.1.2.3 of this rule.

Section 5.4.1.2.1 states that 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.

Section 5.4.1.2.2 states that the approved alternate emission monitoring system shall monitor operational characteristics necessary to assure compliance with the emission limit. Operational characteristics shall be one or more of the following:

- Periodic NO_x exhaust emission concentrations,
- Periodic exhaust oxygen concentration,
- Flow rate of reducing agent added to exhaust,
- Catalyst inlet and exhaust temperature,
- Catalyst inlet and exhaust oxygen concentration,
- Periodic flue gas recirculation rate,
- Other surrogate operating parameter(s) that demonstrate compliance with the emission limit.

In order to satisfy the requirements of District Rule 4309, the applicant is using pre-approved alternate monitoring scheme A (pursuant to District Policy SSP-1105), which requires that monitoring of NO_x, CO, and O₂ exhaust concentrations shall be conducted at least once per month (in which a source test is not performed) using a portable analyzer.

Compliance with the monitoring requirements of this rule is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	32 to 35
N-1646-25-3	37 to 40
N-1646-26-4	39 to 42
N-1646-36-3	40 to 43
N-1646-38-4	37 to 40

Section 5.4.1.2.3 states that the operator shall source test over the proposed range of surrogate operating parameter(s) to demonstrate compliance with the applicable emission limits. The units were source tested upon initial operation as is required by Section 6.3.2 of this Rule; therefore compliance with this section is assured.

Section 5.5, Compliance Determination

Section 5.5.1 states that all emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the PTO.

Section 5.5.2 states that except for as provided in Section 5.5.3, no determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0.

Compliance with the requirements of sections 5.5.1 and 5.5.2 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	28
N-1646-25-3	33
N-1646-26-4	35
N-1646-36-3	36
N-1646-38-4	33

Section 5.5.3 states that notwithstanding the requirements of Section 5.5.2, the APCO, ARB, and US EPA may approve a longer or shorter period before compliance determination, if an operator submits an application for a PTO condition which provides a justification for the requested duration.

Section 5.5.4 states that all CEMS emissions measurements shall be averaged over a period of 15 consecutive minutes to demonstrate compliance with the applicable emission limits of this rule. Any 15-consecutive-minute block average CEMS measurement exceeding the applicable emission limits of this rule shall constitute a violation of this rule. The facility has not proposed to utilize a CEMS; therefore the requirements of this section are not applicable to the drying ovens.

Section 5.5.5 states that for emissions monitoring pursuant to Section 5.4.1.2.2.1, emission readings 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.

Compliance with the requirements of section 5.5.5 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	34
N-1646-25-3	39
N-1646-26-4	41
N-1646-36-3	42
N-1646-38-4	39

Section 5.5.6 states that for emissions source testing performed pursuant to Section 6.3.1 to determine compliance with an applicable emission limit of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two of the three runs individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the unit, even if the averaged emissions of all three test runs is less than the applicable limit.

Compliance with the requirements of section 5.5.6 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	29
N-1646-25-3	34
N-1646-26-4	36
N-1646-36-3	37
N-1646-38-4	34

Section 6.1, Recordkeeping

Section 6.1.1 states the recordkeeping requirements of a unit that uses CEMS to monitor emissions. Since the applicant has not proposed a CEMS to monitor emissions, the requirements of this section do not apply to any unit.

Section 6.1.2 states that operators using an alternate emissions monitoring system shall maintain the following records on a periodic basis:

- Total hours of operation.
- Type and quantity of fuel used during operations.
- Measurement for each surrogate parameter.
- Range of allowed values for each surrogate parameter.
- The period for recordkeeping shall be specified in the PTO conditions.

Section 6.1.3 only applies to dehydrators; therefore this section is not applicable to the unit in this project.

Section 6.1.4 states that the operator of a unit subject to Section 5.2 and performing start-up or shutdown of that unit shall keep records of the duration of each start-up and each shutdown. The facility has not proposed startup or shutdown emissions for the drying ovens in this operation; therefore the requirements of this section do not apply to the drying ovens.

Section 6.1.5 states the recordkeeping requirements of an operator of any unit operated under the exemption of Section 4.3. Since the applicant has not applied for the exemption in Section 4.3, the requirements in this section do not apply to the drying ovens.

Section 6.1.6 states the records and manufacturer's specifications required by Sections 6.1.1 through 6.1.5 shall meet all of the following requirements.

- The records shall be maintained for five (5) calendar years,
- The records shall be made available on-site during normal business hours, and
- The records shall be submitted to the APCO upon request.

Compliance with the requirements of section 6.1.6 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	42
N-1646-25-3	47
N-1646-26-4	50
N-1646-36-3	51
N-1646-38-4	48

Section 6.2, Test Methods

Section 6.2 lists the test methods required by the rule. In lieu of the test methods listed below the facility can utilize alternative APCO and US EPA approved test methods.

Pollutant	Units	Test Method Required
Fuel hhv	Fuel hhv shall be certified by third party fuel supplier or:	
	Liquid fuels	ASTM D 240-87 or D 2382-88
	Gaseous fuels	ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89
NO _x	ppmv	EPA Method 7E or ARB Method 100
CO	ppmv	EPA Method 10 or ARB Method 100
Stack Gas O ₂	%	EPA Method 3 or 3A, or ARB Method 100
Stack Gas Velocities	ft/min	EPA Method 2
Stack Gas Moisture Content	%	EPA Method 4

Compliance with the requirements of section 6.2 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	25 to 27
N-1646-25-3	30 to 32
N-1646-26-4	31 to 33
N-1646-36-3	33 to 35
N-1646-38-4	30 to 32

Section 6.3.2 states that each unit subject to the requirements in Sections 4.3, or 5.2 shall be initially source tested to determine compliance with the applicable emission limits not later than the applicable full compliance schedule specified in Section 7.0. Thereafter, each unit subject to Section 5.2 emission limits shall be source tested at least once every 24 months. Units subject to Section 5.2 and operating less than 50 days per calendar year shall follow the source test frequency prescribed in Section 6.3.3. The following condition will be added to the permit to assure compliance with this section.

Compliance with the requirements of section 6.3.2 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	23
N-1646-25-3	28
N-1646-26-4	30
N-1646-36-3	31
N-1646-38-4	28

Section 6.3.5 states that the APCO shall be notified according to the provisions of Rule 1081 (Source Sampling).

Compliance with the requirements of section 6.3.5 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	30 & 31
N-1646-25-3	35 & 36
N-1646-26-4	37 & 38
N-1646-36-3	38 & 39
N-1646-38-4	35 & 36

Section 6.3.6 states that emissions source testing shall be conducted with the unit operating either at conditions representative of normal operations or conditions specified in the PTO. The requirements of this section will be satisfied by the condition listed for Sections 5.5.1 and 5.5.2 on these permits.

Section 6.3.7 states that all test results for NO_x and CO shall be reported in ppmv, corrected to dry stack conditions and adjusted using the oxygen correction factor.

Compliance with the requirements of section 6.3.7 is demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-23-3	24
N-1646-25-3	29
N-1646-26-4	31
N-1646-36-3	32
N-1646-38-4	29

Section 6.3.8 states that for the purpose of determining compliance with an applicable emission limit, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply.

Section 6.3.9 states that if two of the three runs specified by Section 6.3.8 individually demonstrate emissions above the applicable limit, the test cannot be used to demonstrate compliance for the unit, even if the averaged emissions of all three runs is less than the applicable limit. The requirements of Sections 6.3.8 and 6.3.9 will be satisfied by the condition listed for Section 5.5.6 on the permits.

Section 6.4 lists the source testing requirements for asphalt/concrete plants. Since this facility is not an asphalt or concrete plant, the requirements of this section do not apply to the dryers in this facility.

The renewed permit N-1646-24-3 is based on ATC N-1646-24-5 for changing it to dormant status. Condition 2 & 3 on the draft permit will ensure compliance with the requirements of this rule.

E. District Rule 4601 – Architectural Coatings

This rule limits the emissions of VOC's from architectural coatings. It requires limiting the application of any architectural coating to no more than what is listed in the Table of Standards (Section 5.0). This rule further specifies labeling requirements, coatings thinning recommendations, and storage requirements.

The rule was amended in February 17, 2005 but had not been SIP approved. The stringency analysis in Attachment D shows that the amended rule is as stringent as the SIP approved version of the rule that was adopted in October 31, 2001.

The following changes were included in the latest rule amendment that resulted in revising current permit requirements:

- The tables outlining the VOC content of different specialty coatings has been largely replaced with the Table of Standards in Section 5.0.
- New labeling, reporting, test methodology and other requirements have been incorporated into the rule in order to allow ARB to administer the Averaging Program as detailed in Section 8.0.
- Conditions 23, 24 and 25 of the facility wide requirements S-1737-0-2 will assure compliance with the requirements of this rule.

F. District Rule 4607, Graphic Arts and Paper, Film, Foil, and Fabric Coatings

The purpose of this rule is to limit VOC emissions from graphic arts printing operations. This rule is applicable to any graphic arts printing operation, to digital printing operations and to any paper, film, foil or fabric coating operation and to the organic solvent cleaning materials and processes associated with such operations.

Section 4.1 exempts a facility from the requirements of this rule if the facility-wide actual VOC emissions from all printing operations are less than 400 pounds of VOC per calendar month. The SLC for VOC gives this facility a monthly PE for VOC of 2,142 lb-VOC/month (= 69.1 lb-VOC × 31 days/month). Therefore, with a monthly facility-wide SLC for VOC, this facility is subject to the requirements of this rule.

Section 5.1 Graphic Arts Printing Operation:

Section 5.1 states that an operator performing a graphic arts printing operation, not subject to Section 5.2 (Flexographic Specialty Ink), 5.3 (Coldset Web Offset Lithographic Fountain Solution), 5.4 (screen printing operation) or 5.5 (paper, film, foil or fabric coating operation), shall not use graphic arts materials in excess of the VOC content limits in Table 1 and Table 2, in accordance with the corresponding effective date.

Table 1 VOC Content Limits for Inks, Coatings, and Adhesives		
Material	Grams of VOC per liter (lb/gal), less water and exempt compounds	
	Effective Through 12/31/09	On and After 01/01/10
Flexographic Ink on Porous Substrates	300 (2.5)	225 (1.88)
All Other Inks	300 (2.5)	300 (2.5)
Coating	300 (2.5)	300 (2.5)
Adhesives	150 (1.25)	150 (1.25)
Web Splicing Adhesives	300 (2.5)	150 (1.25)

Table 2 VOC Content Limits for Fountain Solution		
Fountain Solution	Percent VOC by Volume, less water and exempt compounds	
	Effective Through 12/31/09	On and After 01/01/10
Heatset Web Offset Lithographic	8	1.6
Coldset Web Offset Lithographic	8	5.0
Sheet-fed Offset Lithographic with maximum sheet size greater than 11 x 17 inches	8	5.0
All Other Presses	8	8.0

Compliance with the requirements of section 5.1 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-10-4	2 & 4
N-1646-15-4	4

Section 5.2 Flexographic Specialty Ink:

Section 5.2.1 states that an operator using a flexographic printing operation shall not use a specialty ink in excess of the VOC content limit in Table 3, and shall not use more than 2 gallons of specialty inks in a calendar day and 120 gallons of specialty inks in a calendar year.

Table 3 VOC Content Limits for Flexographic Specialty Ink		
Material	Grams of VOC per liter (lb/gal), less water and less exempt compounds, as applied, effective through December 31, 2009	Grams of VOC per liter (lb/gal), less water and less exempt compounds, as applied, effective on and after January 1, 2010
Metallic Ink	485 (4.1)	460 (3.8)
Matte Finish Ink	535 (4.5)	535 (4.5)
Metallic Ink and Matte Finish Ink on Flexible Package Printing	--	383 (3.2)

Section 5.2.2 states that on and after January 1, 2009, facilities with the potential to emit or with actual emissions of at least 10 tons VOC in any calendar year shall not use specialty inks with VOC content greater than 300 grams VOC per liter, less water and exempt compounds, as applied.

Compliance with the requirements of section 5.2 is demonstrated with the permit condition listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-15-4	5

Section 5.3 Coldset Web Offset Lithographic Fountain Solution:

Section 5.2.2 states that on and after January 1, 2010, an operator performing coldset web offset lithographic printing shall use fountain solution with that is five percent alcohol substitute or less, by weight, and shall have no alcohol in the fountain solution.

Compliance with the requirements of section 5.2 is demonstrated with the permit condition listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-10-4	3

Section 5.6 Approved VOC Emission Control System:

Section 5.6.1 states that an operator performing heatset web offset lithographic or letterpress printing that has greater than 25 tpy potential to emit prior to controls shall use an add-on control device, on the dryers, as follows:

- Heatset web offset lithographic or letterpress printer control device installed prior to December 31, 2008 shall have an overall capture control efficiency of 90%.
- Heatset web offset lithographic or letterpress printer control device installed after December 31, 2008 shall have an overall capture control efficiency of 95%.

Section 5.6.2 states that in lieu of compliance with Sections 5.1, 5.2, 5.3, 5.4, 5.5, 5.7 or 5.8, an operator may use a VOC emission control system. The VOC emission control system must meet all of the following requirements:

Section 5.6.2.1 states that the VOC emission control system shall be approved, in writing, by the APCO.

Section 5.6.2.2 states that during continuous operation, not to exceed 24 hours, the VOC emission control system shall have a minimum overall VOC capture and control efficiency as specified in Table 6, in accordance with the corresponding effective date;

Table 6 VOC Emission Control System Overall Capture and Control Efficiency		
Process	Overall VOC capture and control efficiency %, by weight, effective through December 31, 2009	Overall VOC capture and control efficiency %, by weight, effective on and after January 1, 2010
Flexible Package Printing (All Technologies)	67%	80%
Publication Gravure	75%	85%
Other Printing Operations	67%	75%
Paper, Film, Foil, or Fabric Coating Operations	86%	90%

Section 5.6.2.3 states that the collection system shall vent all drying oven exhaust to the control device and shall have one or more inlets for collection of fugitive emissions; and

Secton 5.6.2.4 requires the VOC emission control system to reduce VOC emissions, at all times, to a level that is not greater than the emissions which would have been achieved through the use of compliant materials, compliant equipment or compliant work practices in Sections 5.1, 5.2, 5.3, 5.4, 5.5, 5.7, or 5.8.

Compliance with the requirements of section 5.6 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3, -16-3, -23-3 & -25-3	4 & 5
N-1646-26-4	5 & 6
N-1646-36-3 & -38-4	6 & 7
N-1646-39-2	7 & 8

Section 5.8 Organic Solvent Cleaning

Section 5.8.1 states that an operator shall not use organic solvents for cleaning operations that exceed the VOC content limits specified in the Table 7. Only the categories that potentially apply to the units in this project have been included.

Table 7		
Cleaning Solvent Use	VOC Content Limit grams/liter (lb/gal)	
	Through 12/31/09	On or After 01/01/10
A. Product Cleaning During Manufacturing Process; or Surface Preparation for Coating, Ink, or Adhesive Application	25 (0.21)	25 (0.21)
B. Repair and Maintenance Cleaning	25 (0.21)	25 (0.21)
C. Cleaning of Coating or Adhesive Application equipment	25 (0.21)	25 (0.21)
D. Cleaning of Ink Application Equipment:	25 (0.21)	25 (0.21)
5. Lithographic (Offset) Printing		
5.1 Roller Wash – Step 1	500 (4.2)	100 (0.83)
5.2 Roller wash – Step 2; Roller Wash not specified; Blanket Wash, and On press Components	500 (4.2)	100 (0.83)
5.3 Removable Press Components	25 (0.21)	25 (0.21)

Section 5.8.2 restricts the use of solvents containing more than 25 g-VOC/l according to the provisions in Sections 5.8.3 through 5.8.5:

Section 5.8.3 requires cleaning activities that use solvents with a VOC content greater than 25 g/l (0.21 lb/gallon) be performed by one or more of the following methods:

- 1) Wipe cleaning; or
- 2) Application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping.

Section 5.8.4 prohibits the atomization into the open air of solvents with a VOC content greater than 25 g/l (0.21 lb/gallon) used for cleaning activities unless such solvents are vented to a VOC emission control system that complies with Section 5.6. This provision shall not apply to printing operations where the 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 described in Section 5.8.3.2.

Section 5.8.5 prohibits the use of solvents with a VOC content greater than 25 g/l (0.21 lb/gallon) to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use.

Compliance with the requirements of section 5.8 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3, -16-3, -23-3 & -25-3	8 to 11
N-1646-10-4	6 to 9
N-1646-15-4	7 to 10
N-1646-26-4	9 to 12
N-1646-36-3	10 to 13
N-1646-38-4 & -39-2	11 to 14

Section 5.9 requires storage or disposal of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and ink in closed, non-absorbent and non-leaking containers. The containers must remain closed at all times except when depositing or removing the contents of the containers or when the container is empty.

Compliance with the requirements of section 5.9 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3, -16-3, -23-3 & -25-3	12
N-1646-10-4	10
N-1646-15-4	11
N-1646-26-4	13
N-1646-36-3	14
N-1646-38-4 & -39-2	15

Section 5.10 states that an 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. Compliance with the requirements of section 5.10 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3, -16-3, -23-3 & -25-3	13
N-1646-10-4	11
N-1646-15-4	12
N-1646-26-4	14
N-1646-36-3	15
N-1646-38-4 & -39-2	16

Section 6.0 Administrative Requirements:

Section 6.1 states that any person subject to the provisions of this rule including stationary sources exempt pursuant to Section 4.1, shall maintain the following records on-site for a minimum of five years, and make records available to the APCO, ARB, and EPA upon request.

Section 6.1.1 requires the permittee to maintain a current file documenting coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include a material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, specific mixing instruction, density, and if required, composite vapor pressure.

Section 6.1.2 states that if the facility only uses materials that are compliant with the VOC content limits from Sections 5.1, 5.2, 5.3, 5.4, 5.5, or Table 7, shall record, on a monthly basis, the type and amount of all inks used according to one of the following methods:

- 6.1.2.1.1 Group the quantity of all inks used and identify the maximum VOC content and use the minimum density of 1010 gm/liter (8.44 lb/gal); or
- 6.1.2.1.2 Report process inks and pantone inks separately and use specific VOC content and density value for each process ink, and the highest VOC content and the minimum density of 1010 gm/liter (8.44 lb/gal) for pantone inks; or
- 6.1.2.1.3 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 1010 gm/liter (8.44 lb/gal) for pantone inks; or
- 6.1.2.1.4 Itemize each ink and pantone ink and use the specific VOC content and density value for each.

Section 6.1.2.2 requires the facility to record, on a monthly basis, the type and amount of each coating, adhesive, wash primer, and solvent (including cleaning solvent) used.

Section 6.1.2.3 requires the facility record, on a monthly basis, the type, amount, and percent VOC by volume of fountain solution used.

Section 6.1.3 states that if noncompliant materials are used, and compliance with the rule is achieved through VOC control device, the operator shall record, on a daily basis, the type and amount of all inks, coatings, adhesives, fountain solutions, wash primers, and solvents (including non-compliant cleaning solvent) used.

Section 6.1.4 applies to the use of flexographic specialty inks. None of the printers in this project are flexographic; therefore, this section is not applicable.

Section 6.1.5 requires an operator using a VOC emission control system pursuant to Section 5.6 as a means of complying with this rule shall maintain daily records of key system operating parameters to demonstrate continuous operation and compliance of the VOC emission control system during periods of emission-producing activities.

Section 6.1.6 applies to the use of digital printers. None of the printers in this facility are digital printers; therefore, this section is not applicable.

Compliance with the requirements of section 6.1 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3 & -16-3	26 to 30 & 32
N-1646-10-4	12 to 15
N-1646-11-2, -12-2 & -13-2	5
N-1646-14-2	6
N-1646-15-4	13 to 18 & 20
N-1646-23-3	36 to 40 & 42
N-1646-25-3	41 to 45 & 47
N-1646-26-4	43 to 47 & 50
N-1646-36-3	44 to 48 & 51
N-1646-38-4	41 to 45 & 48
N-1646-39-2	31 to 35 & 38

Section 6.4.7.1 states that the capture efficiency of a VOC emission control system's collection device(s) shall be determined according to EPA's "Guidelines for Determining Capture Efficiency," January 9, 1995 and 40 CFR 51, Appendix M, Test Methods 204-204F, as applicable. The facility has already determined the capture efficiency of all VOC collection systems; therefore, this section is not applicable.

Section 6.4.7.2 states that the control efficiency of a VOC emission control system's VOC control device(s) 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 control device(s). EPA Method 18 or ARB Method 422 shall be used to determine the emissions of exempt compounds.

Compliance with the requirements of section 6.1 are demonstrated with the permit conditions listed in the table below.

Permit Unit(s)	Permit Condition(s)
N-1646-6-3, -7-3 & -16-3	25
N-1646-10-4	12 to 15
N-1646-23-3	22
N-1646-25-3	27
N-1646-26-4	29
N-1646-36-3	30
N-1646-38-4	27
N-1646-39-2	30

G. District Rule 4702 - Internal Combustion Engines – Phase II

The purpose of District rule 4702 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 50 horsepower.

Pursuant to Section 4.3, except for the requirements of Section 6.2.3, the requirements of this rule shall not apply to an internal combustion engine that meets the following conditions:

- 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
- 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
- 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.

Therefore, the emergency IC engine will only have to meet the requirements of Section 6.2.3 of this Rule.

Section 6.2.3 requires that 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 submitted to the APCO upon request and at the end of each calendar year in a manner and form approved by the APCO.

Therefore, the following conditions will be listed on the ATC to ensure compliance:

Condition 1, 3, 4, 5 & 8 on PTO N-1646-34-1 will assure compliance with District Rule 4702.

The condition 6 will be added to PTO N-1646-34-1 that defines the emergency situation to ensure compliance with the District Rule 4702.

H. District Rule 8011, General Requirements

The purpose of Regulation VIII (Fugitive PM₁₀ Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM₁₀) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The Rules contained in this Regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM₁₀ Nonattainment Areas. These rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM₁₀ and particles larger than PM₁₀. Controlling fugitive dust emissions when visible emissions are detected will not prevent all PM₁₀ emissions, but will substantially reduce PM₁₀ emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all Rules under Regulation VIII (Fugitive PM₁₀ Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

- Conditions 33 through 38 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

I. District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities

The purpose of this rule is to limit fugitive dust emissions from construction, demolition, excavation, extraction, and other earthmoving activities.

This rule applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including, but not limited to, land clearing, grubbing, scraping, travel on site, and travel on access roads to and from the site. This rule also applies to the construction of new landfill disposal sites or modification to existing landfill disposal sites prior to commencement of landfilling activities.

Section 5.0 requires that no person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless the appropriate requirements in sections 5.1 and 5.2 are sufficiently implemented to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

- Condition 33 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

J. District Rule 8031, Bulk Materials

The purpose of this rule is to limit fugitive dust emissions from the outdoor handling, storage, and transport of bulk materials.

This rule applies to the outdoor handling, storage, and transport of any bulk material.

Section 5.0 requires that no person shall perform any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8031-1 of this rule are sufficiently implemented to limit VDE to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

- Condition 34 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

K. District Rule 8041, Carryout and Trackout

The purpose of this rule is to limit fugitive dust emissions from carryout and trackout.

This rule applies to all sites that are subject to Rules 8021 (Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities), 8031 (Bulk Materials), and 8071 (Unpaved Vehicle and Equipment Traffic Areas) where carryout or trackout has occurred or may occur.

Section 5.0 requires that an owner/operator shall sufficiently prevent or cleanup carryout and trackout as specified in sections 5.1 through 5.8. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner/operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

Condition 35 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

L. District Rule 8051, Open Areas

The purpose of this rule is to limit fugitive dust emissions from open areas.

This rule applies to any open area having 3.0 acres or more of disturbed surface area, that has remained undeveloped, unoccupied, unused, or vacant for more than seven days.

Section 5.0 requires that whenever open areas are disturbed or vehicles are used in open areas, the owner/operator shall implement one or a combination of control measures indicated in Table 8051-1 to comply with the conditions of a stabilized surface at all times and to limit VDE to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

- Condition 36 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

M. District Rule 8061, Paved and Unpaved Roads

The purpose of this rule is to limit fugitive dust emissions from paved and unpaved roads by implementing control measures and design criteria.

This rule applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.

- Condition 37 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

N. District Rule 8071, Unpaved Vehicle/Equipment Traffic Area

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures and design criteria.

This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

- Condition 38 of the facility-wide requirements N-1646-0-2 will ensure compliance with these requirements.

O. 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

These regulations apply to demolition or renovation activity, as defined in 40 CFR 61.141. 40 CFR Section 61.150 of this Subpart was amended September 18, 2003, and condition 39 of N-1646-0-2 assures compliance with the requirements.

P. 40 CFR Part 63 Subpart ZZZZ

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

§6585(b) states, "A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site."

§6585(c) states, "An area source of HAP emissions is a source that is not a major source."

The facility is not a major source as defined in §6585(b). Therefore, this facility is an area source of HAP emissions.

§6590(a) states, "An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand."

§6590(a)(1) defines the criteria for an existing stationary RICE as follows:

- (i) For stationary RICE with a site rating of more than 500 brake horsepower (HP) located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before December 19, 2002.
- (ii) For stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
- (iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.
- (iv) A change in ownership of an existing stationary RICE does not make that stationary RICE a new or reconstructed stationary RICE.

This facility is an area source of HAP emissions. The engine at this facility has not commenced construction or reconstruction on or after June 12, 2006. Therefore, the engine at this facility meet the definition of an existing stationary RICE as defined in §6590(a)(1)(iii).

§6590(b)(3) states that the following engines do not have to meet the requirements of this subpart and of subpart A of this part:

- stationary RICE which is an existing spark ignition 4 stroke rich burn (4SRB) stationary RICE located at an area source,
- existing spark ignition 4SRB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source, an existing spark ignition 2 stroke lean burn (2SLB) stationary RICE,
- existing spark ignition 4 stroke lean burn (4SLB) stationary RICE,
- existing compression ignition (CI) stationary RICE,
- existing emergency stationary RICE,
- existing limited use stationary RICE, or
- existing stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis

The engine at this facility is an existing emergency stationary RICE. Therefore, the engine does not have to meet the requirements of this subpart and of subpart A of this part. No further discussion is required.

Q. 40 CFR Part 64, Compliance Assurance Monitoring

This regulation requires Compliance Assurance Monitoring (CAM) for units that meet the following three criteria:

1. the unit must have emission limit for the pollutant;
2. the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
3. the unit must have a pre-control potential to emit of greater than a major source threshold

Pollutant	Major Source Threshold (lb/year)
VOC	50,000
NO _x	50,000
CO	200,000
PM ₁₀	140,000
SO _x	140,000

N-1646-2-3:

1. This unit contain emission limits for PM₁₀ only.
2. This unit has sock filter system as add-on control for PM₁₀ emissions.
3. Typically the District assumes that a sock filter will achieve 90% control for PM₁₀ emissions. Therefore, the uncontrolled emission rates can be determined using the emission limit on the current permit and the control efficiency of the sock filter system.

Emission Limit = 0.00234 lb/ton

Annual Uncontrolled PE = $[0.00234 \text{ lb/ton} \times 43 \text{ tons/year} \times 365 \text{ days/year}]$
 $/ [1 - 0.90]$

Annual Uncontrolled PE = 367 lb/year

As shown above, the uncontrolled PE for PM₁₀ emissions is less than the major source threshold. Therefore, it is not subject to the requirements of 40 CFR 64 for this pollutant and no further discussion is required.

N-1646-6-3, -16-3 & -23-3:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 69.3 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

Annual Uncontrolled PE = Daily emissions x 365 days/yr ÷ (1 – CE)
= 69.3 lb/day x 365 days/yr ÷ (1 – 0.98)
= 1,264,725 lb-VOC/yr

Since 1,264,725 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Condition 6, 7 and 33 through 36 on permit unit –6-3 satisfies CAM for this unit.
- Condition 6, 7 and 33 through 36 on permit unit –16-3 satisfies CAM for this unit.
- Condition 6, 7 and 43 through 46 on permit unit –23-3 satisfies CAM for this unit.

N-1646-7-3:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 20.2 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 20.2 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 368,650 \text{ lb-VOC/yr}\end{aligned}$$

Since 368,650 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 6, 7 and 33 through 36 on permit unit –7-3 satisfies CAM for this unit.

N-1646-10-4, -11-2 to -14-2, -15-4 & -19-4:

1. This unit contains emission limits for VOC emissions.
2. This unit does not have any add on control for VOC emissions. Therefore, this unit is not subject to CAM.

N-1646-25-3:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 80.2 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 80.2 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 1,463,650 \text{ lb-VOC/yr}\end{aligned}$$

Since 1,463,650 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 6, 7 and 48 through 51 on permit unit –25-3 satisfies CAM for this unit.

N-1646-26-4:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 63.7 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 63.7 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 1,162,525 \text{ lb-VOC/yr}\end{aligned}$$

Since 1,162,525 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 7, 8 and 51 through 54 on permit unit –26-4 satisfies CAM for this unit.

N-1646-34-1:

1. This unit does not contain emission limits for any pollutant. Therefore, this unit is not subject to CAM.

N-1646-36-3:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 53.1 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 53.1 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 969,075 \text{ lb-VOC/yr}\end{aligned}$$

Since 969,075 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 8, 9 and 52 through 55 on permit unit –36-3 satisfies CAM for this unit.

N-1646-38-4:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 50.8 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 50.8 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 927,100 \text{ lb-VOC/yr}\end{aligned}$$

Since 927,100 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 49 through 54 on permit unit –38-4 satisfies CAM for this unit.

N-1646-39-2:

1. This unit contains emission limits for NO_x, SO_x, PM₁₀, CO, and VOC.
2. This unit has thermal oxidizer to control VOC emissions. Therefore, this unit is not subject to CAM for NO_x, SO_x, PM₁₀, and CO.
3. The uncontrolled emission rates can be determined using the emission limit on the current permit of 50.8 lb/day (ink, solvent and dryer emissions) and VOC control efficiency of 98% with thermal oxidizer.

$$\begin{aligned}\text{Annual Uncontrolled PE} &= \text{Daily emissions} \times 365 \text{ days/yr} \div (1 - \text{CE}) \\ &= 52.2 \text{ lb/day} \times 365 \text{ days/yr} \div (1 - 0.98) \\ &= 952,650 \text{ lb-VOC/yr}\end{aligned}$$

Since 952,650 lb-VOC/yr > 50,000 lb-VOC/yr (Major Source threshold for VOC), this unit is subject to CAM for VOC emissions.

- Conditions 39 through 44 on permit unit –39-2 satisfies CAM for this unit.

R. 40 CFR Part 82, Subparts B and F, Stratospheric Ozone

These regulations apply to servicing motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC). Sections of this regulation were amended in 2004 and 2008, and conditions 27 and 28 of N-1646-0-2 assure compliance with the requirements.

IX. PERMIT SHIELD

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 Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

A. Requirements Addressed by Model General Permit Templates

The applicant is not requesting to use any model general permit templates for this Title V renewal project.

B. Obsolete Permit Shields From Existing Permit Requirements

There is not any permit shield removed, as the updated requirements of these rules are not applicable at this time.

X. PERMIT CONDITIONS

See Attachment A - Renewed Title V Operating Permits.

XI. ATTACHMENTS

- A. Renewed Title V Operating Permits
- B. Previous Title V Operating Permits
- C. Detailed Facility List
- D. District Rule 4601 Stringency Analysis
- E. Table of Standards in Rule 4601

ATTACHMENT A

Renewed Title V Operating Permits

San Joaquin Valley Air Pollution Control District

FACILITY: N-1646-0-2

EXPIRATION DATE: 09/30/2008

FACILITY-WIDE 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. Total Volatile Organic Compound (VOC) emissions from the entire stationary source shall not exceed 235.6 pounds in any single day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Total NOx emissions from the entire stationary source shall not exceed 150 pounds during any one day. A daily log of fuel usage for each dryer and for the incinerator shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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 and Merced County Rule 109] Federally Enforceable Through Title V Permit
6. 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 and Merced County Rule 109] Federally Enforceable Through Title V Permit
7. {2287} 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
8. 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
9. {2289} 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, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
10. {2290} 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
11. {2291} 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: WORLDCOLOR (USA) LLC
Location: 2201 COOPER AVE, MERCED, CA 95348
N-1646-0-2 : Jun 7 2010 10:31AM - BRARG

12. {2292} 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
13. {2293} 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
14. {2294} 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
15. {2295} 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
16. {2296} 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
17. {2297} 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
18. {2298} 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
19. {2299} 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
20. {2300} 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
21. {2301} 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
22. {2302} 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
23. {2303} 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
24. {2304} 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. {2305} 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
26. 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 (2/17/05). 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 Merced County Rule 401] Federally Enforceable Through Title V Permit
27. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating within the District with a VOC content in excess of the corresponding limit specified in the Table of Standards 1 (effective through 12/31/2010) or the Table of Standards 2 (effective on and after 1/1/2011) of District Rule 4601 (12/17/09). [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
28. All VOC-containing materials for architectural coatings 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
29. 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
30. {2310} 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
31. {2311} 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 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
32. {2312} 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 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
33. 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
34. 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
35. 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
36. 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
37. 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 (8/19/04) or Rule 8011 (8/19/04). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

38. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (9/16/04) or Rule 8011 (8/19/04). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
39. {2319} 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
40. {2320} 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
41. {2321} 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
42. {2322} 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
43. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Merced County Rule 401 and Merced County Rule 109. A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. 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, sections 5.1, 5.2, 5.3 and 5.8 (12/17/09); 8021 (8/19/04); 8031 (8/19/04); 8041 (8/19/04); 8051 (8/19/04); 8061 (8/19/04); and 8071 (9/16/04). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin August 1 of every year, 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

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-2-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PAPER SCRAP HANDLING SYSTEM SERVING THE PAPER SLITTERS ON PRINTING PRESS #524 & #531, INSERTER BINDERIES #733, #734, #735, #737, #738 AND #739 AND THE BINDERIES #760, #761, #762, #763, #764 AND #765. THE PAPER SCRAP FROM ALL THESE UNITS IS CONVEYED PNEUMATICALLY TO FIVE MAREN BALERS (A, B, C, D AND E) EACH SERVED BY ITS OWN SOCK FILTER SYSTEM

PERMIT UNIT REQUIREMENTS

1. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
2. A spare set of sock filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Visible emissions from each sock filter serving the baler shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Material removed from sock filters shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. PM10 emissions from each sock filter system exhaust shall not exceed 0.00234 pounds per ton of total scrap material collected by the Maren balers. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The combined amount of scrap material collected by the Maren balers shall not exceed 43 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each sock filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Records of dust collector system maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. The permittee shall maintain daily records of the amount of scrap collected by the Maren balers (tons/day). [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-6-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000B HEATSET-OFFSET LITHOGRAPHIC PRINTING PRESS #514 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
30. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-7-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS-WEBB MODEL M-1000A HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #515 SERVED BY TWO TEC MODEL C-2500 NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 20.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
30. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-10-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTING PRESS #504: TOSHIBA NON-HEATSET PRINTING PRESS

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The VOC content of graphic arts materials (as applied, less water and exempt compounds) shall not exceed any of the following limits: Flexographic Inks on Porous Substrates: 225 g/l (1.88 lb/gal); Inks: 300 g/l (2.5 lb/gal); Coatings: 300 g/l (2.5 lb/gal), Adhesives: 150 g/l (1.25 lb/gal); Web Splicing Adhesives: 150 g/l (1.25 lb/gal). [District Rule 4607, 5.1] Federally Enforceable Through Title V Permit
3. An operator performing coldset web offset lithographic printing shall use fountain solution with that is five percent alcohol substitute or less, by weight, and shall have no alcohol in the fountain solution. [District Rule 4607, 5.3] Federally Enforceable Through Title V Permit
4. The VOC content limit for fountain solution used shall not exceed 5% by volume. [District Rules 2201 and 4607, 5.1] Federally Enforceable Through Title V Permit
5. VOC emissions from this printing press shall not exceed 20.0 pounds in any single day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The VOC content of organic solvents used to perform surface preparation or solvent cleaning shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (12/18/08 version of Rule 4607). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
7. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
8. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
10. The permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
11. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
12. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
13. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
14. The permittee shall record on a monthly basis, the type and amount of each coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
15. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
16. Compliance with the daily VOC emissions limit for this printing press shall be calculated as follows: Total daily VOC emissions = {[VOC Content (ink #1) x Daily usage (ink #1) x (1 - 0.95)] + ... + [VOC Content (ink #n) x Daily usage (ink #n) x (1 - 0.95)]} + {[VOC Content (fountain solution #1) x Daily usage (fountain solution #1)] + [VOC Content (wash primer #1) x Daily usage (wash primer #1)] + [VOC Content (cleanup solvent #1) x Daily usage (cleanup solvent #1)] + ... + [VOC Content (fountain solution #n) x Daily usage (fountain solution #n)] + [VOC Content (wash primer #n) x Daily usage (wash primer #n)] + [VOC Content (cleanup solvent #n) x Daily usage (cleanup solvent #n)]}. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility. [District Rule 1070] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a period of at least 5 years and make records available to the APCO, ARB, and EPA upon request. [District Rule 1070]

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-11-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #733, HARRIS VIDEO INK JET, MODEL SP855

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The VOC emissions from this printer shall not exceed 1.0 lbs/day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rules 2201 and 4607, 6.1.1] Federally Enforceable Through Title V Permit
6. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
7. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available to the APCO, ARB and EPA upon request. [District Rules 1070, 4.0, 4607, 6.1 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-12-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #734, HARRIS VIDEO INK JET, MODEL SP855

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The VOC emissions from this printer shall not exceed 1.0 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rules 2201 and 4607, 6.1.1] Federally Enforceable Through Title V Permit
6. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
7. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available to the APCO, ARB and EPA upon request. [District Rules 1070, 4.0, 4607, 6.1 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-13-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #735, HARRIS VIDEO INK JET, MODEL SP855

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The VOC emissions from this printer shall not exceed 1.0 lbs/day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rules 2201 and 4607, 6.1.1] Federally Enforceable Through Title V Permit
6. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
7. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available to the APCO, ARB and EPA upon request. [District Rules 1070, 4.0, 4607, 6.1 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-14-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #737, HARRIS VIDEO INK JET, MODEL SP855

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. This graphic arts printing operation is exempt from the requirements of District Rule 4607 as it emits less than 200 pounds of VOC per 12 rolling consecutive calendar months. [District Rule 4607, 4.1.2] Federally Enforceable Through Title V Permit
3. The VOC emissions from this printer shall not exceed 2.5 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. No more than 22 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rules 2201 and 4607, 6.1.1] Federally Enforceable Through Title V Permit
7. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available to the APCO, ARB and EPA upon request. [District Rules 1070, 4.0, 4607, 6.1 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-15-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

FLEXOGRAPHIC PRINTING PRESS #505: CERUTTI FLEXOGRAPHIC PRINTING PRESS

DRAFT

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The total amount of inks used shall not exceed 6,100 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Total Volatile Organic Compound (VOC) emissions from the entire stationary source shall not exceed 235.6 pounds in any single day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. For flexographic printing operations, the VOC content of graphic arts materials (as applied, less water and exempt compounds) shall not exceed any of the following limits: Flexographic Inks on Porous Substrates: 225 g/l (1.88 lb/gal); Inks: 300 g/l (2.5 lb/gal); Coatings: 300 g/l (2.5 lb/gal), Adhesives: 150 g/l (1.25 lb/gal); Web Splicing Adhesives: 150 g/l (1.25 lb/gal). [District Rule 4607, 5.1] Federally Enforceable Through Title V Permit
5. For flexographic printing operations, use of specialty inks, as defined in Rule 4607, shall not exceed two gallons in a calendar day and 120 gallons in a calendar year. The VOC content of the specialty inks shall not exceed 300 g/l (2.5 lb/gal), less water and exempt compounds, as applied. [District Rule 4607, 5.2] Federally Enforceable Through Title V Permit
6. Water and non-VOC emitting soaps shall be used for cleanup. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The VOC content of organic solvents used to perform surface preparation or solvent cleaning shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (12/18/08 version of Rule 4607). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
8. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
11. The permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
12. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
14. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
15. The permittee shall record on a monthly basis, the type and amount of each coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
16. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
17. The permittee shall record on a daily basis, the type and amount of each ink, coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
18. The permittee shall record on a daily basis, the type and amount of each flexographic specialty ink used [District Rule 4607, 6.1.4] Federally Enforceable Through Title V Permit
19. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility. [District Rule 1070] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a period of at least 5 years and make records available to the APCO, ARB, and EPA upon request. [District Rules 1070, 2520, and 4607]

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-16-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000 HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #517 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
30. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-19-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PAPER SLITTING SYSTEM SERVING PRINTING PRESSES #507 AND #520, AND TWO HARRIS MODEL RG321 BINDER SAWS (BINDERS #713 AND #714). THE PAPER SCRAP FROM THESE UNITS IS CONVEYED PNEUMATICALLY TO A BALE MASTER BALER SERVED BY A MAC MODEL 44RPT 280 BAGHOUSE SYSTEM

PERMIT UNIT REQUIREMENTS

1. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The baghouse exhaust fan(s) shall be in operation during paper scrap conveying operation. [District Rule 2201] Federally Enforceable Through Title V Permit
3. PM10 emissions from the Mac baghouse exhaust shall not exceed 0.000234 pounds per ton of total scrap material collected by the Bale Master baler. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The amount of scrap material collected by the Bale Master baler shall not exceed 2.4 tons in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The baghouse shall operate at all times with a minimum differential pressure of 1 inches water column and a maximum differential pressure of 6 inches water column. [District Rule 2201]
7. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Material removed from baghouse shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
10. There shall be no visible emissions from the dust control system. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. Visible emissions from the baghouse shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
12. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
13. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

14. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
15. The permittee shall maintain on a daily basis, records of visible emissions from the baghouse, the amount of scrap collected in tons/day, and pressure differential gauge reading. [District Rules 2201 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
16. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-23-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HEIDELBERG HARRIS MODEL M-1000B HEATSET OFFSET PRINTING PRESS #519 SERVED BY ONE THERMAL ELECTRON MODEL A3406E DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
5. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
6. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
14. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
16. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
17. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
18. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
19. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
20. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
23. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months thereafter. [District Rules 2201 and 4309, 6.3.2] Federally Enforceable Through Title V Permit
24. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309, 6.3.7] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
26. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
27. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
28. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309, 5.5.1 & 5.5.2] Federally Enforceable Through Title V Permit
29. 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 4309, 5.5.6] Federally Enforceable Through Title V Permit
30. 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
31. 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
32. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
33. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
34. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
35. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

36. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
37. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
38. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
39. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
40. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
41. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
42. 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 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit
43. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
44. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
45. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
46. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-24-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE KOENIG & BAUER MODEL COMPACTA 618 HEATSET OFFSET PRINTING PRESS #507 SERVED BY ONE 8.75 MMBTU/HR THERMO ELECTRON MODEL 2700/3500 DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERMAL REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. No modification to this unit shall be performed without an Authority to Construct for such modification(s), except for changes specified in conditions below. [District Rule 2010] Federally Enforceable Through Title V Permit
2. The fuel supply line shall be physically disconnected from this unit. [District Rule 4309] Federally Enforceable Through Title V Permit
3. This equipment shall not be operated for any reason until an Authority to Construct permit is issued approving all necessary retrofits required to comply with the applicable requirements of District Rule 4309 and all other applicable District regulations. [District Rule 4309] Federally Enforceable Through Title V Permit
4. The drying oven and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District NSR Rule]
5. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule]
6. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.5]
7. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5]
8. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64]
9. Each thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64]
10. Solvents to perform surface preparation or cleanup shall not exceed the VOC content and composite vapor pressure limits of Rule 4607 (Graphic Arts) Table 6. [District Rule 4607, 5.8.3]
11. No owner or operator shall use organic solvents for cleaning operations that exceed the VOC content limit specified in Table 6, Rule 4607 (12/20/01 version of Rule 4607). [District Rule 4607, 5.8.3]
12. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: wipe cleaning; application of solvent using nonpropellant-induced, hand-held spray bottles; non-atomized solvent flow method, or solvent flushing method. [District Rule 4607, 5.8.6]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

13. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles. [District Rule 4607, 5.8.7]
14. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose component part(s) being cleaned during washing, rinsing, draining procedures and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.8]
15. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.8.9]
16. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule]
17. The NO_x emission concentration from the drying oven shall not exceed 65 ppmv, dry, corrected to 3% oxygen (O₂). [District NSR Rule]
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule]
19. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule]
20. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, density, and composite vapor pressure. [District Rule 4607, 6.1.1]
21. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rules 2201 & 4607, 6.1.2.2]
22. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/20/01 version of Rule 4607). [District Rule 4607, 6.1.2.1]
23. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) for each drying oven and each thermal oxidizer at the facility. [District Rules 1070, 4.0 and 2520, 9.3.2]
24. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and CFR Part 64]
25. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4607, 6.1.6]
26. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule]
27. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1]
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

29. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4]
30. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64]
31. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
32. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
33. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64]

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-25-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE (1) KOENIG & BAUER COMMANDER HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #508) AND ONE (1) 31.5 MMBTU/HR (3 BURNERS @ 10.5 MMBTU/HR EACH) NATURAL GAS FIRED MEGTEC MODEL DUAL DRY III 119 DRYING OVEN SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
5. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
6. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 74.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
18. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
19. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
22. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
23. PM₁₀ emissions from the regenerative thermal oxidizers shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. SO_x emissions from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
25. VOC emissions from the regenerative thermal oxidizer shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

26. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
27. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
28. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309, 6.3.2] Federally Enforceable Through Title V Permit
29. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309, 6.3.7] Federally Enforceable Through Title V Permit
30. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
33. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309, 5.5.1 & 5.5.2] Federally Enforceable Through Title V Permit
34. 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 4309, 5.5.6] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
38. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

39. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
40. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
41. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
42. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
43. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
44. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
45. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
46. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
47. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit
48. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
49. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
50. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
51. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-26-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE (1) GOSS GRAPHICS SYSTEMS, INC. MODEL C700-E HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #531) AND ONE (1) 10.5 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DUAL DRY III 119 DRYING OVEN SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the regenerative thermal oxidizer shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
4. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
6. The regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
7. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
13. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
14. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
15. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
16. VOC emissions from the printing inks and solvents shall not exceed 61.4 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
17. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
18. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
19. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. NO_x emissions from the regenerative thermal oxidizer shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

23. CO emissions from the regenerative thermal oxidizer shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
24. The PM₁₀ emissions rate from the regenerative thermal oxidizer shall not exceed 0.01 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The SO_x emissions rate from the regenerative thermal oxidizer shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The VOC emissions rate from the regenerative thermal oxidizer shall not exceed 0.02 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. The total quantity of natural gas used in the thermal oxidizer shall not exceed 25.0 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Source testing to demonstrate compliance with the VOC destruction efficiency of the regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Source testing to determine the destruction efficiency of the regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
30. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309, 6.3.2] Federally Enforceable Through Title V Permit
31. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309, 6.3.7] Federally Enforceable Through Title V Permit
32. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
33. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
34. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
35. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309, 5.5.1 & 5.5.2] Federally Enforceable Through Title V Permit
36. 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 4309, 5.5.6] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

40. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
41. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
42. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
43. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
44. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
45. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
46. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
47. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
48. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
49. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the thermal oxidizer under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
50. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

51. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
52. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
53. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
54. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-34-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

235 HP DETROIT DIESEL MODEL 1044-7312 EMERGENCY DIESEL FIRED IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
2. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. 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", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, 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 Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
7. {3415} The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when 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]
8. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-36-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMANS 57.5" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #520) AND TWO 9.9 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135 DRYING OVENS (EACH CONSISTS OF AN 8.4 MMBTU/HR MAXON OVENPAK 400 BURNER AND A 1.5 MMBTU/HR MAXON APX BURNER) SERVED BY THE SHARED 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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]
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the drying ovens shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
6. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
7. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
8. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
14. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
15. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
16. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
17. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
18. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
19. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
20. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

24. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
25. PM₁₀ emissions from the regenerative thermal oxidizers shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. SO_x emissions from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. VOC emissions from the regenerative thermal oxidizer shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
28. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 18.7 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
31. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309, 6.3.2] Federally Enforceable Through Title V Permit
32. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309, 6.3.7] Federally Enforceable Through Title V Permit
33. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
34. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
35. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
36. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309, 5.5.1 & 5.5.2] Federally Enforceable Through Title V Permit
37. 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 4309, 5.5.6] Federally Enforceable Through Title V Permit
38. 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
39. 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
40. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

41. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
42. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
43. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
44. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
45. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
46. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
47. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
48. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
49. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
50. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying ovens under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
51. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

52. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
53. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
54. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
55. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-38-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN S 64" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #523) WITH ONE 9.4 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #1 (WITH MAXON LOW NOX BURNERS) AND ONE 9.0 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #2 (WITH MAXON LOW NOX BURNERS) EACH SERVED BY THE SHARED 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in each drying oven shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
4. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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]
6. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607, 5.6] Federally Enforceable Through Title V Permit
8. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The VOC content of the materials shall not exceed the following: inks less than 45% VOC by weight (less water and exempt compounds) and fountain solutions less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The VOC content of organic solvents used to perform surface preparation or solvent cleaning shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
14. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
15. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
16. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
17. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. NO_x emissions from the drying ovens shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
19. CO emissions from the drying ovens shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
20. Emissions from the drying ovens shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
21. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
22. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309, 5.2] Federally Enforceable Through Title V Permit
23. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
24. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 137,000 cubic feet in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 50.0 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
28. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309, 6.3.2] Federally Enforceable Through Title V Permit
29. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309, 6.3.7] Federally Enforceable Through Title V Permit
30. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309, 6.2] Federally Enforceable Through Title V Permit
33. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309, 5.5.1 & 5.5.2] Federally Enforceable Through Title V Permit
34. 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 4309, 5.5.6] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
38. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309, 6.4] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

39. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
40. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309, 5.4] Federally Enforceable Through Title V Permit
41. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
42. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
43. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
44. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
45. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
46. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
47. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying ovens under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
48. 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 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit
49. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
50. The regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
51. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
52. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

53. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
54. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-39-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN N 38" WIDE 5-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #524) WITH ONE 4.587 MMBTU/HR NATURAL GAS FIRED THERMO WISCONSIN MODEL APOLLO A3100 DRYING OVEN SERVED BY THE SHARED 5.728 MMBTU/HR MEGTEC CLEANSWITCH MODEL CS-300-95 NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying oven and thermal oxidizer shall be fired exclusively on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the drying oven shall be installed, utilized and maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the thermal oxidizer shall be installed, utilized and maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap, roof overhang, or any other obstruction. [District Rule 4102]
7. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
8. The thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.6] Federally Enforceable Through Title V Permit
9. The thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607, 5.8.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607, 5.8.4] Federally Enforceable Through Title V Permit
14. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.5] Federally Enforceable Through Title V Permit
15. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.9] Federally Enforceable Through Title V Permit
16. The permittee shall properly use and operate all graphic arts printing technologies as directed and/or specified by the manufacturer of the printer or graphic arts material. [District Rule 4607, 5.10] Federally Enforceable Through Title V Permit
17. The VOC content of the materials shall not exceed the following: inks less than 45% VOC by weight (less water and exempt compounds) and fountain solutions less than 15% by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
18. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
21. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. NO_x emissions from the regenerative thermal oxidizer shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rule 2201] Federally Enforceable Through Title V Permit
23. CO emissions from the regenerative thermal oxidizer shall not exceed 25.0 ppmvd @ 19% O₂. [District Rule 2201] Federally Enforceable Through Title V Permit
24. Emissions from the regenerative thermal oxidizer shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. The total quantity of natural gas used in the drying oven under this permit unit shall not exceed 11,651 million cubic feet in any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
26. The total quantity of natural gas used in the thermal oxidizer shall not exceed 25,000 million cubic feet in any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] 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 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
29. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit
30. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.7] Federally Enforceable Through Title V Permit
31. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
32. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.3] Federally Enforceable Through Title V Permit
33. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
34. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
35. The permittee shall record on a monthly basis, the type, amount and percent VOC by volume of each fountain solution used. [District Rule 4607, 6.1.2.3] Federally Enforceable Through Title V Permit
36. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
37. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying oven and thermal oxidizer under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District NSR Rule] Federally Enforceable Through Title V Permit
38. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
39. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
40. The regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

41. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
42. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
43. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
44. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

ATTACHMENT B

Previous Title V Operating Permits

San Joaquin Valley Air Pollution Control District

FACILITY: N-1646-0-1

EXPIRATION DATE: 09/30/2008

FACILITY-WIDE REQUIREMENTS

1. 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. Total Volatile Organic Compound (VOC) emissions from the entire stationary source (excluding permit unit N-1646-34) shall not exceed 235.6 pounds in any single day. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Total NOx emissions from the entire stationary source (excluding permit unit N-1646-34) shall not exceed 150 pounds during any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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 (3/21/02). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
9. 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, 9.8.1 and 9.12.1] Federally Enforceable Through Title V Permit
10. 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
11. 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: WORLDCOLOR (USA) LLC
Location: 2201 COOPER AVE, MERCED, CA 95348
N-1646-0-1: Jun 7 2010 10:33AM - BRARG

12. 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
13. 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
14. 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
15. 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
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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
22. 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
23. 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
24. 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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

25. 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
26. 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 (11/15/01). 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
27. 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 the Table of Standards of District Rule 4601 (10/31/01) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
28. All VOC-containing materials for architectural coatings subject to Rule 4601 (10/31/01) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
29. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (10/31/01). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
30. 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
31. 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 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
32. 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 82, Subpart B. [40 CFR 82, Subpart B] Federally Enforceable Through Title V Permit
33. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
34. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
35. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
36. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
37. 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

38. Any unpaved vehicle/equipment area that anticipates more than 75 vehicle trips per day shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 100 vehicle trips per day shall comply with the requirements of Section 5.1.2 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 (11/15/01) or Rule 8011 (11/15/01). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
39. 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
40. 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
41. 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
42. 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
43. 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), and Rule 111 (Kern, Tulare, Kings). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
44. 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 (11/15/01); 4601, sections 5.1, 5.2, 5.3, 5.8 and 8.0 (10/31/01); 8021 (11/15/01); 8031 (11/15/01); 8041 (11/15/01); 8051 (11/15/01); 8061 (11/15/01); and 8071 (11/15/01). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
45. On July 26, 2004, 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

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley
Air Pollution Control District

PERMIT UNIT: N-1646-2-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:
AIR HANDLING SYSTEM FOR WASTE PAPER

PERMIT UNIT REQUIREMENTS

1. See facility-wide requirements for requirements applicable to this permit unit. [District Rule 2080] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-6-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000B HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #514 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and 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
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
30. The permittee 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
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-7-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS-WEBB MODEL M-1000A HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #515 SERVED BY TWO TEC MODEL C-2500 NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and 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
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 20.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
30. The permittee 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
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-10-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A TOSHIBA MODEL OA-6RKO 6-COLOR WEB-FED NON-HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #504.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Solvents to perform surface preparation or cleanup shall not exceed the VOC content and composite vapor pressure limits of Rule 4607 (Graphic Arts) Table 6. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
3. No owner or operator shall use organic solvents for cleaning operations that exceed the VOC content limit specified in Table 6, Rule 4607 (12/20/01 version of Rule 4607). [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
4. No person shall apply coatings unless coatings are applied with equipment operated according to manufacturer's specifications, and only by the use of flow coater, roll coater, dip coater, foam coater, die coater, hand application methods, or high volume low pressure (HVLP) spray for air dried coatings. [District Rule 4607, 5.6] Federally Enforceable Through Title V Permit
5. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1). Wipe Cleaning; (2). Application of solvent using nonpropellant-induced, hand-held spray bottles; (3). non-atomized solvent flow method, or solvent flushing method. [District Rule 4607, 5.8.6] Federally Enforceable Through Title V Permit
6. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles. [District Rule 4607, 5.8.7] Federally Enforceable Through Title V Permit
7. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, the permit shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, and ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose component part(s) being cleaned during washing, rinsing, and draining procedures and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.8] Federally Enforceable Through Title V Permit
8. The permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.8.9] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

9. The VOC content of the materials shall not exceed the following: inks less than 5% VOC by weight (less water and exempt compounds) and fountain solutions less than 6% by volume; for high end graphics, inks less than 30% VOC by weight (less water and exempt compounds) and fountain solutions less than 8% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC emissions from this printing press shall not exceed 20.0 pounds in any single day. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Compliance with the daily VOC emissions limit for this printing press shall be calculated as follows: Total daily VOC emissions = {[VOC Content (ink #1) x Daily usage (ink #1) x (1 - 0.95)] + ... + [VOC Content (ink #n) x Daily usage (ink #n) x (1 - 0.95)]} + {[VOC Content (fountain solution #1) x Daily usage (fountain solution #1)] + [VOC Content (wash primer #1) x Daily usage (wash primer #1)] + [VOC Content (cleanup solvent #1) x Daily usage (cleanup solvent #1)] + ... + [VOC Content (fountain solution #n) x Daily usage (fountain solution #n)] + [VOC Content (wash primer #n) x Daily usage (wash primer #n)] + [VOC Content (cleanup solvent #n) x Daily usage (cleanup solvent #n)]}. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheets (MSDS) or product data sheets showing the material name, manufacturer's name, VOC content as applied, mixing instruction, density, and composite vapor pressure. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
13. The permittee shall record on a monthly basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607, 6.1.2.2]
14. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/20/01 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
15. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all printing operations at the facility. [District Rule 1070] Federally Enforceable Through Title V Permit
16. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 4.0, 2520, 9.4.2, and 4607, 6.1.6] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-11-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #733, HARRIS VIDEO INK JET, MODEL SP855

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from this printer shall not exceed 1.0 lbs/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maintain a current list which contains the VOC content of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 1070, 4.0 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-12-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #734, HARRIS VIDEO INK JET, MODEL SP855

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from this printer shall not exceed 1.0 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maintain a current list which contains the VOC content of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 4.0 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-13-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #735, HARRIS VIDEO INK JET, MODEL SP855

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from this printer shall not exceed 1.0 lbs/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. No more than 10 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maintain a current list which contains the VOC content of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 4.0 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-14-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PRINTER #737, HARRIS VIDEO INK JET, MODEL SP855

PERMIT UNIT REQUIREMENTS

1. The VOC emissions from this printer shall not exceed 2.5 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. No more than 22 pounds of ink shall be used in any one day for this printer. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The VOC content as applied for all inks and solvents used by this printer shall not exceed 99% by weight. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Maintain a current list which contains the VOC content of all inks and solvents in use. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Maintain a daily record of the volume and VOC content (as applied) of all inks and solvents used. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 4.0 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-15-5

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A CERUTTI MODEL 45-1/2" 77" MAXINOVA (8-COLOR) FLEXOGRAPHIC PRINTING PRESS #505.

PERMIT UNIT REQUIREMENTS

1. The total amount of inks used shall not exceed 6,100 pounds per day. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Total Volatile Organic Compound (VOC) emissions from the entire stationary source shall not exceed 235.6 pounds in any single day. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The permittee shall properly use and 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. Prior to January 1, 2010, for flexographic printing operations, the VOC content of graphic arts materials (as applied, less water and exempt compounds) shall not exceed any of the following limits: Flexographic Inks on Porous Substrates: 300 g/l (2.5 lb/gal); Inks: 300 g/l (2.5 lb/gal); Coatings: 300 g/l (2.5 lb/gal), Adhesives: 150 g/l (1.25 lb/gal); Web Splicing Adhesive: 300 g/l (2.5 lb/gal). [District Rule 4607] Federally Enforceable Through Title V Permit
5. On and after January 1, 2010, for flexographic printing operations, the VOC content of graphic arts materials (as applied, less water and exempt compounds) shall not exceed any of the following limits: Flexographic Inks on Porous Substrates: 225 g/l (1.88 lb/gal); Inks: 300 g/l (2.5 lb/gal); Coatings: 300 g/l (2.5 lb/gal), Adhesives: 150 g/l (1.25 lb/gal); Web Splicing Adhesives: 150 g/l (1.25 lb/gal). [District Rule 4607] Federally Enforceable Through Title V Permit
6. For flexographic printing operations, use of specialty inks, as defined in Rule 4607, shall not exceed two gallons in a calendar day and 120 gallons in a calendar year. The VOC content of the specialty inks shall not exceed 300 g/l (2.5 lb/gal), less water and exempt compounds, as applied. [District Rule 4607] Federally Enforceable Through Title V Permit
7. Water and non-VOC emitting soaps shall be used for cleanup. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or solvent cleaning shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. The permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
14. The permittee shall record on a daily basis, the type and amount of each ink, coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
15. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
16. The permittee shall record on a monthly basis, the type and amount of each coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
17. The permittee 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. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility. [District Rule 1070] Federally Enforceable Through Title V Permit
19. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-16-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000 HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #517 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and 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
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
18. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
21. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
26. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
27. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
28. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
29. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
30. The permittee 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
31. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
32. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit
33. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
34. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
35. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
36. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-19-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

PAPER SLITTING OPERATION SERVED BY A FABRIC DUST COLLECTOR

PERMIT UNIT REQUIREMENTS

1. The baghouse shall be equipped with a pressure differential gauge to indicate the pressure drop across the bags. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Replacement bags numbering at least 10% of the total number of bags in the largest baghouse using each type of bag shall be maintained on the premises. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The baghouse cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
5. There shall be no visible emissions from the dust control system. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
6. The PM10 emissions from the source shall not exceed 16.8 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Visible emissions from the baghouse shall be evaluated using EPA method 22 for a period of at least 6 minutes at least once during each day that the baghouse is operated. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
8. Dust collection system shall be completely inspected annually while in operation for evidence of particulate matter leaks and repaired as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
9. Dust collector filters shall be thoroughly inspected annually for tears, scuffs, abrasions, holes, or any evidence of particulate matter leaks and shall be replaced as needed. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. Records of dust collector maintenance, inspections, and repair shall be maintained. The records shall include identification of the equipment, date of inspection, corrective action taken, and identification of the individual performing the inspection. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain on a daily basis, records of visible emissions from the baghouse. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
12. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
13. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
14. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

15. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-23-4

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HEIDELBERG HARRIS MODEL M-1000B HEATSET OFFSET PRINTING PRESS #519 SERVED BY ONE THERMAL ELECTRON MODEL A3406E DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
5. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
6. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and 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
14. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
16. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
17. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
18. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
19. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
20. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
21. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
22. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
23. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
24. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
26. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
27. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
28. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
29. 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 4309] Federally Enforceable Through Title V Permit
30. 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
31. 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
32. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
33. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
34. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
35. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

36. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
37. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
38. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
39. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
40. The permittee 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
41. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
42. 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 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit
43. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
44. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
45. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
46. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-24-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE KOENIG & BAUER MODEL CAMPACTA 618 HEATSET OFFSET PRINTING PRESS #507 SERVED BY ONE 8.75 MMBTU/HR THERMO ELECTRON MODEL 2700/3500 DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERMAL REGENERATIVE THERMAL OXIDIZERS

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying oven and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryer is being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhaust and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
5. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District NSR Rule, 2520, 9.3.2, and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. Solvents to perform surface preparation or cleanup shall not exceed the VOC content and composite vapor pressure limits of Rule 4607 (Graphic Arts) Table 6. [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
9. No owner or operator shall use organic solvents for cleaning operations that exceed the VOC content limit specified in Table 6, Rule 4607 (12/20/01 version of Rule 4607). [District Rule 4607, 5.8.3] Federally Enforceable Through Title V Permit
10. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: wipe cleaning; application of solvent using nonpropellant-induced, hand-held spray bottles; non-atomized solvent flow method, or solvent flushing method. [District Rule 4607, 5.8.6] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles. [District Rule 4607, 5.8.7] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. For a permittee using any solvent containing more than 50 g/L of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose component part(s) being cleaned during washing, rinsing, draining procedures and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607, 5.8.8] Federally Enforceable Through Title V Permit
13. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607, 5.8.9] Federally Enforceable Through Title V Permit
14. VOC emissions from the printing inks and solvents shall not exceed 69.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. The NO_x emission concentration from the drying oven shall not exceed 65 ppmv, dry, corrected to 3% oxygen (O₂). [District NSR Rule] Federally Enforceable Through Title V Permit
16. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
17. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
18. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. File shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, density, and composite vapor pressure. [District Rule 4607, 6.1.1] Federally Enforceable Through Title V Permit
19. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rules 2201 & 4607, 6.1.2.2] Federally Enforceable Through Title V Permit
20. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/20/01 version of Rule 4607). [District Rule 4607, 6.1.2.1] Federally Enforceable Through Title V Permit
21. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) for each drying oven and each thermal oxidizer at the facility. [District Rules 1070, 4.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
22. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and CFR Part 64] Federally Enforceable Through Title V Permit
23. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2 and 4607, 6.1.6] Federally Enforceable Through Title V Permit
24. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
25. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
26. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

27. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
28. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
29. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
30. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
31. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-25-2

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE KOENIG & BAUER COMMANDER HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #508) AND ONE 31.5 MMBTU/HR (3 BURNERS @ 10.5 MMBTU/HR EACH) NATURAL GAS FIRED MEGTEC MODEL DUAL DRY III 119 DRYING OVEN SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
5. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
6. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
7. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit
9. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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

These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
12. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
13. The permittee shall properly use and 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
14. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
15. VOC emissions from the printing inks and solvents shall not exceed 74.1 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
16. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
17. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
18. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
19. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
22. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
23. PM₁₀ emissions from the regenerative thermal oxidizers shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. SO_x emissions from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
25. VOC emissions from the regenerative thermal oxidizer shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

27. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607] Federally Enforceable Through Title V Permit
28. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
29. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
30. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
33. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
34. 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 4309] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
38. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

39. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309] Federally Enforceable Through Title V Permit
40. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
41. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
42. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
43. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
44. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
45. The permittee 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
46. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
47. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit
48. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
49. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
50. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
51. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-26-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A GOSS GRAPHICS SYSTEMS, INC. MODEL C700-E HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #531) SERVED BY A 10.5 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DUEL DRY III 119 DRYING OVEN VENTED TO THE SHARED 5.728 MMBTU/HR MEGTEC CLEANSWITCH MODEL CS-300-95 NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the regenerative thermal oxidizer shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
4. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
6. The regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
7. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

10. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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
11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
13. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
14. The permittee shall properly use and 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
15. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
16. VOC emissions from the printing inks and solvents shall not exceed 61.4 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
17. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
18. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
19. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. NO_x emissions from the regenerative thermal oxidizer shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. CO emissions from the regenerative thermal oxidizer shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
24. The PM₁₀ emissions rate from the regenerative thermal oxidizer shall not exceed 0.01 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The SO_x emissions rate from the regenerative thermal oxidizer shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The VOC emissions rate from the regenerative thermal oxidizer shall not exceed 0.02 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. The total quantity of natural gas used in the thermal oxidizer shall not exceed 25.0 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
28. Source testing to demonstrate compliance with the VOC destruction efficiency of the regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Source testing to determine the destruction efficiency of the regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607] Federally Enforceable Through Title V Permit
30. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
31. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
32. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
33. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
34. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
35. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
36. 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 4309] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

40. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
41. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309] Federally Enforceable Through Title V Permit
42. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
43. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
44. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
45. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
46. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
47. The permittee 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
48. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
49. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the thermal oxidizer under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rule 2201] Federally Enforceable Through Title V Permit
50. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

51. The regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. Upon determining an excursion from this requirement, the permittee shall investigate the excursion and take corrective action to minimize emissions and prevent recurrence of the excursion as expeditiously as practicable. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
52. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64] Federally Enforceable Through Title V Permit
53. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64] Federally Enforceable Through Title V Permit
54. If the District or EPA determine that a Quality improvement plan is required under 40 CFR part 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR Part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-34-0

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

235 HP DETROIT DIESEL MODEL 1044-7312 EMERGENCY DIESEL FIRED IC ENGINE POWERING A FIRE PUMP

PERMIT UNIT REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
5. This engine shall be operated using only CARB certified diesel fuel. [17 CCR 93115]
6. This engine shall be operated only for maintenance, testing, and 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", 1998 edition. 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]
7. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, 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 and 4702, and 17 CCR 93115]
8. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when 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]
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 4701 and 4702, and 17 CCR 93115]

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-36-1

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMANS 57.5" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #520) AND TWO 9.9 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135 DRYING OVENS (EACH CONSISTS OF AN 8.4 MMBTU/HR MAXON OVENPAK 400 BURNER AND A 1.5 MMBTU/HR MAXON APX BURNER) SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the regenerative thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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]
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the drying ovens shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
6. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
7. Each regenerative thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rules 2201 and 4607] Federally Enforceable Through Title V Permit
8. Each regenerative thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The regenerative thermal oxidizer shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. Each regenerative thermal incinerator shall be equipped with a continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
10. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

11. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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
12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
14. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
15. The permittee shall properly use and 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
16. The Volatile Organic Compound (VOC) content of the printing inks as applied (excluding water and exempt compounds) shall be less than 45% by weight and the VOC content of the fountain solutions shall be less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
17. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
18. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
19. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
20. PM₁₀ emissions from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. SO_x emissions from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. VOC emission from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

24. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201 & 4309] Federally Enforceable Through Title V Permit
25. PM₁₀ emissions from the regenerative thermal oxidizers shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. SO_x emissions from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. VOC emissions from the regenerative thermal oxidizer shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
28. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 18.7 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
29. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District Rule 2201] Federally Enforceable Through Title V Permit
30. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607] Federally Enforceable Through Title V Permit
31. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
32. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
33. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
34. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
35. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
36. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
37. 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 4309] Federally Enforceable Through Title V Permit
38. 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
39. 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
40. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

41. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit
42. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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. [District Rule 4309] Federally Enforceable Through Title V Permit
43. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
44. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
45. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
46. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
47. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
48. The permittee 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
49. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
50. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying ovens under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
51. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-38-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN S 64" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #523) WITH ONE 9.4 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #1 (WITH MAXON LOW NOX BURNERS) AND ONE 9.0 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #2 (WITH MAXON LOW NOX BURNERS) EACH SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying ovens and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in each drying oven shall be installed, utilized and maintained. [District Rules 2201] Federally Enforceable Through Title V Permit
4. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District Rule 2201] Federally Enforceable Through Title V Permit
5. 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] Federally Enforceable Through Title V Permit
6. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The VOC content of the materials shall not exceed the following: inks less than 45% VOC by weight (less water and exempt compounds) and fountain solutions less than 15% by volume. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The VOC content of organic solvents used to perform surface preparation or solvent cleaning shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
14. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
15. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
16. The permittee shall properly use and 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
17. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
18. NO_x emissions from the drying ovens shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
19. CO emissions from the drying ovens shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
20. Emissions from the drying ovens shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
21. NO_x emissions from the regenerative thermal oxidizers shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
22. CO emissions from the regenerative thermal oxidizers shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
23. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
24. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 137,000 cubic feet in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. The total quantity of natural gas used in the drying ovens under this permit unit shall not exceed 50.0 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
28. Source testing to measure NO_x and CO emissions from the drying ovens shall be conducted at the exhaust of the associated regenerative thermal oxidizer at least once every 24 months. [District Rules 2201 and 4309] Federally Enforceable Through Title V Permit
29. All test results for NO_x and CO shall be reported in ppmv @ 19% O₂ (or no correction if measured above 19% O₂), corrected to dry stack conditions. [District Rule 4309] Federally Enforceable Through Title V Permit
30. NO_x emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis. [District Rule 4309] Federally Enforceable Through Title V Permit
31. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
32. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rule 4309] Federally Enforceable Through Title V Permit
33. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4309. [District Rule 4309] Federally Enforceable Through Title V Permit
34. 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 4309] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rule 4309] Federally Enforceable Through Title V Permit
38. If either the NO_x or CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rule 4309] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

39. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken 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 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4309] Federally Enforceable Through Title V Permit
40. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x and CO concentrations corrected to 19% O₂ (or no correction if measured above 19% O₂), (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range [District Rule 4309] Federally Enforceable Through Title V Permit
41. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
42. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
43. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
44. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
45. The permittee 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
46. The permittee shall maintain daily records of the following: (1). Quantity of VOC emitted (in pounds) from this printing press; (2). Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
47. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying ovens under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
48. 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 1070, 2520, and 4607, and 4309] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-39-3

EXPIRATION DATE: 09/30/2008

EQUIPMENT DESCRIPTION:

GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN N 38" WIDE 5-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #524) WITH ONE 4.587 MMBTU/HR NATURAL GAS FIRED THERMO WISCONSIN MODEL APOLLO A3100 DRYING OVEN SERVED BY THE SHARED 5.728 MMBTU/HR MEGTEC CLEANSWITCH MODEL CS-300-95 NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.

PERMIT UNIT REQUIREMENTS

1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying oven and thermal oxidizer shall be fired exclusively on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
3. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the drying oven shall be installed, utilized and maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
4. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the thermal oxidizer shall be installed, utilized and maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The drying ovens serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal oxidizer at all times except during periods of start-up while the dryers are being air purged. [District NSR Rule] Federally Enforceable Through Title V Permit
6. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap, roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
7. The collection system for the dryer exhausts and for all fugitive VOC emissions shall have a minimum capture efficiency of 90%. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The thermal oxidizer shall be operated at a minimum temp. of 1400 deg. F. The incinerator shall be preheated to 1400 deg. F prior to the start-up of the heatset offset printing operation. [District NSR Rule] Federally Enforceable Through Title V Permit
10. The thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule] Federally Enforceable Through Title V Permit
11. The VOC content of organic solvents used to perform surface preparation or cleanup shall not exceed the VOC content limits specified in Table 7 of Rule 4607 (Graphic Arts and Paper, Film, Foil, and Fabric Coatings - 12/18/08 version). [District Rule 4607] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
These terms and conditions are part of the Facility-wide Permit to Operate.

12. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, cleaning activities shall be by one of the following methods: (1) wipe cleaning; or (2) application of solvent from hand-held spray 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 which 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 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
13. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, solvent shall not be atomized into the open air unless it is vented to a VOC control device. This provision shall not apply to operations where roller or blanket wash is applied automatically and the cleaning of the nozzle tips of automated spray equipment systems, except for robotic systems, and cleaning with nonpropellant-induced, hand-held spray bottles or containers which solvents are dispensed without a propellant-induced force. [District Rule 4607] Federally Enforceable Through Title V Permit
14. For a permittee using any solvent containing more than 25 g/L (0.21 lb/gal) of VOC for organic solvent cleaning, the permittee shall not use VOC-containing material to clean spray equipment used for the application of coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing, draining procedures, and it must be used according to manufacturer's recommendations and must be closed when not in use. [District Rule 4607] Federally Enforceable Through Title V Permit
15. Permittee shall store or dispose of fresh or spent solvents, waste solvent cleaning materials, coatings, adhesives, catalysts, thinners, and inks in closed, non-absorbent, non-leaking containers. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4607] Federally Enforceable Through Title V Permit
16. The permittee shall properly use and 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
17. The VOC content of the materials shall not exceed the following: inks less than 45% VOC by weight (less water and exempt compounds) and fountain solutions less than 15% by volume. [District NSR Rule] Federally Enforceable Through Title V Permit
18. VOC emissions from the printing inks and solvents shall not exceed 50.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
19. NO_x emissions from the drying oven shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
20. CO emissions from the drying oven shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
21. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. NO_x emissions from the regenerative thermal oxidizer shall not exceed 4.3 ppmvd @ 19% O₂ (referenced as NO₂). [District Rules 2201] Federally Enforceable Through Title V Permit
23. CO emissions from the regenerative thermal oxidizer shall not exceed 25.0 ppmvd @ 19% O₂. [District Rules 2201] Federally Enforceable Through Title V Permit
24. Emissions from the regenerative thermal oxidizer shall not exceed any of the following limits: 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

25. The total quantity of natural gas used in the drying oven under this permit unit shall not exceed 11,651 million cubic feet in any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
26. The total quantity of natural gas used in the thermal oxidizer shall not exceed 25,000 million cubic feet in any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the VOC destruction efficiency of each regenerative thermal oxidizer shall be conducted on an annual basis. [District NSR Rule] 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 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081, 7.1] Federally Enforceable Through Title V Permit
29. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081, 7.3] Federally Enforceable Through Title V Permit
30. Source testing to determine the destruction efficiency of each regenerative thermal oxidizer shall be conducted using EPA Methods 2, 2A, or 2D for measuring flow rates and EPA Methods 25, 25A, or 25C for measuring total gaseous organic concentrations at the inlet and outlet of the control device. [District Rule 4607, 6.4.4] Federally Enforceable Through Title V Permit
31. Permittee shall maintain a current file of coatings, inks, adhesives, fountain solutions, wash primers, and solvents in use and in storage. The file shall include material safety data sheet (MSDS) or product data sheet showing the material name, manufacturer's name, VOC content as applied, mixing instruction, and density. [District Rule 4607] Federally Enforceable Through Title V Permit
32. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
33. The permittee shall record on a monthly basis, the type and amount of all inks used and their VOC content and densities, using one of the methods listed in Rule 4607, Section 6.1.2.1 (12/18/08 version of Rule 4607). [District Rule 4607] Federally Enforceable Through Title V Permit
34. The permittee shall record on a monthly basis, the type and amount of each ink, coating, adhesive, wash primer, and solvent used. [District Rule 4607] Federally Enforceable Through Title V Permit
35. The permittee 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
36. The permittee shall maintain daily records of the following: (1) Quantity of VOC emitted (in pounds) from this printing press; (2) Cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility; (3) Quantity of natural gas used (in cubic feet) by each drying oven and each thermal oxidizer at the facility; (4) Operational temperature of the regenerative thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
37. The permittee shall maintain a record of the cumulative annual quantity of natural gas used (in cubic feet) by the drying oven and thermal oxidizer under this permit. The cumulative total quantity of natural gas used shall be updated monthly. [District NSR Rule] Federally Enforceable Through Title V Permit
38. 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 1070, 2520, and 4607] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

ATTACHMENT C

Detailed Facility List

Detailed Facility Report
For Facility=1646 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

WORLDOLOR (USA) LLC 2201 COOPER AVE MERCED, CA 95348	FAC #	N 1646	TYPE:	TitleV	EXPIRE ON:	09/30/2008
	STATUS:	A	TOXIC ID:	29	AREA:	71
	TELEPHONE:	(209) 384-0444			INSP. DATE:	07/10

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1646-2-1	130 HP	3020-01 D	1	314.00	314.00	A	AIR HANDLING SYSTEM FOR WASTE PAPER
N-1646-6-4	Total Heat Input: 4.804 MMBtu/hr	3020-02 F	1	607.00	607.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000B HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #514 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-7-4	Total Heat Input Rate: 4.804 MMBtu/hr	3020-02 F	1	607.00	607.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS-WEBB MODEL M-1000A HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #515 SERVED BY TWO TEC MODEL C-2500 NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-10-3	Total Electric Motors: 250 hp	3020-01 E	1	412.00	412.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A TOSHIBA MODEL OA-6RKO 6-COLOR WEB-FED NON-HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #504.
N-1646-11-1	50 HP MOTOR	3020-01 C	1	197.00	197.00	A	PRINTER #733, HARRIS VIDEO INK JET, MODEL SP855
N-1646-12-1	50 HP MOTOR	3020-01 C	1	197.00	197.00	A	PRINTER #734, HARRIS VIDEO INK JET, MODEL SP855
N-1646-13-1	50 HP MOTOR	3020-01 C	1	197.00	197.00	A	PRINTER #735, HARRIS VIDEO INK JET, MODEL SP855
N-1646-14-1	50 HP	3020-01 C	1	197.00	197.00	A	PRINTER #737, HARRIS VIDEO INK JET, MODEL SP855
N-1646-15-5	Total Electric Motors: 250 hp	3020-01 E	1	412.00	412.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A CERUTTI MODEL 45-1/2" 77" MAXINOVA (8-COLOR) FLEXOGRAPHIC PRINTING PRESS #505.
N-1646-16-4	Total Heat Input: 4.804 MMBtu/hr	3020-02 F	1	607.00	607.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HARRIS MODEL 1000 HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS #517 SERVED BY TWO TEC NATURAL GAS FIRED DRYING OVENS (TOTAL OF 1.366 MMBTU/HR) ALL VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-19-1	100 HP ELECTRIC MOTOR	3020-01 D	1	314.00	314.00	A	PAPER SLITTING OPERATION SERVED BY A FABRIC DUST COLLECTOR

Detailed Facility Report
For Facility=1646 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1646-23-4	Total Heat Input: 12.938 MMBtu/hr	3020-02 G	1	815.00	815.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE HEIDELBERG HARRIS MODEL M-1000B HEATSET OFFSET PRINTING PRESS #519 SERVED BY ONE THERMAL ELECTRON MODEL A3406E DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-24-1	Total Heat Input: 11,500 KBtu/hr	3020-02 G	1	815.00	815.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE KOENIG & BAUER MODEL CAMPACTA 618 HEATSET OFFSET PRINTING PRESS #507 SERVED BY ONE 8.75 MMBTU/HR THERMO ELECTRON MODEL 2700/3500 DRYING OVEN VENTED TO THE 9.5 MMBTU/HR MEG TEC ENTERPRISE II OR 18 MMBTU/HR REECO RETHERMAL REGENERATIVE THERMAL OXIDIZERS
N-1646-25-2	Total Heat Input: 34.958 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE KOENIG & BAUER COMMANDER HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #508) AND ONE 31.5 MMBTU/HR (3 BURNERS @ 10.5 MMBTU/HR EACH) NATURAL GAS FIRED MEGTEC MODEL DUAL DRY III 119 DRYING OVEN SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-26-3	Total Heat Input: 12.409 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF A GOSS GRAPHICS SYSTEMS, INC. MODEL C700-E HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #531) SERVED BY A 10.5 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DUEL DRY III 119 DRYING OVEN VENTED TO THE SHARED 5.728 MMBTU/HR MEGTEC CLEANSWITCH MODEL CS-300-95 NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.
N-1646-34-0	235 hp	3020-10 C	1	240.00	240.00	A	235 HP DETROIT DIESEL MODEL 1044-7312 EMERGENCY DIESEL FIRED IC ENGINE POWERING A FIRE PUMP
N-1646-36-1	Total Heat Input: 23.238 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMANS 57.5" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #520) AND TWO 9.9 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135 DRYING OVENS (EACH CONSISTS OF AN 8.4 MMBTU/HR MAXON OVENPAK 400 BURNER AND A 1.5 MMBTU/HR MAXON APX BURNER) SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW-NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.

Detailed Facility Report
For Facility=1646 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-1646-38-3	Total Heat Input: 21.838 MMBtu/hr	3020-02 H	1	1,030.00	1,030.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN S 64" WIDE 8-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #523) WITH ONE 9.4 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #1 (WITH MAXON LOW NOX BURNERS) AND ONE 9.0 MMBTU/HR NATURAL GAS FIRED MEGTEC MODEL DD III-135-2080 DRYING OVEN #2 (WITH MAXON LOW NOX BURNERS) EACH SERVED BY THE 9.5 MMBTU/HR MEGTEC ENTERPRISE II OR THE 18 MMBTU/HR REECO RETHERM MODEL E (WITH MAXON LOW NOX BURNERS) NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZERS.
N-1646-39-3	Total Heat Input: 6.496 MMBtu/hr	3020-02 G	1	815.00	815.00	A	GRAPHIC ARTS PRINTING OPERATION CONSISTING OF ONE MAN ROLAND MODEL ROTOMAN N 38" WIDE 5-COLOR HEATSET OFFSET LITHOGRAPHIC PRINTING PRESS (PRESS #524) WITH ONE 4.587 MMBTU/HR NATURAL GAS FIRED THERMO WISCONSIN MODEL APOLLO A3100 DRYING OVEN SERVED BY THE SHARED 5.728 MMBTU/HR MEGTEC CLEANSWITCH MODEL CS-300-95 NATURAL GAS FIRED REGENERATIVE THERMAL OXIDIZER.

Number of Facilities Reported: 1

ATTACHMENT D

District Rule 4601 Stringency Analysis

Stringency Comparison of District Rule 4601 Non-SIP Version (12/17/09) to Current SIP Version (10/31/01)

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
2.0 Applicability	This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures any architectural coating for use within the District.	This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the District.	No change in the applicability, therefore, non-SIP version of rule is as stringent as SIP version.
4.0 Exemptions	<p>The provisions of this rule shall not apply to:</p> <p>4.1 Any architectural coating that is sold or manufactured for use outside of the District or for shipment to other manufacturers for reformulation or repackaging.</p> <p>4.2 Any architectural coating that is sold in a containers with a volume of one liter (1.057 quarts) or less.</p> <p>4.3 Any aerosol coating product.</p>	<p>4.1 The provisions of this rule shall not apply to:</p> <p>4.1.1 Any architectural coating that is supplied, sold, offered for sale, or manufactured for use outside of the District or for shipment to other manufacturers for reformulation or repackaging.</p> <p>4.1.2 Any aerosol coating product.</p> <p>4.2 With the exception of Section 6.2, the provisions of this rule shall not apply to any architectural coating that is sold in a container with a volume of one liter (1.057 quarts) or less.</p>	The only change is to require reporting requirements as discussed in Section 6.2 of the non-SIP approved version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.
5.0 Requirements	Note: Section 5.0 requirements refer to Table of Standards, Table of Standards 1, and Table of Standards 2. These tables are included as Attachment F.		
	<p>5.1 VOC Content Limits: Except as provided in Sections 5.2, 5.3, 5.8 and 8.0, no person shall;</p> <p>5.1.1 manufacture, blend, or repackage for sale within the District;</p> <p>5.1.2 supply, sell, or offer for sale within the district;</p> <p>5.1.3 solicit for application or apply within the District any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards, after the specified effective date in the Table of Standards.</p>	<p>5.1 VOC Content Limits: Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, or offer for sale within the District; or solicit for application or apply within the District any architectural coating with a VOC content in excess of the corresponding limit specified in the Table of Standards 1 or the Table of Standards 2, after the specified effective date in the Table of Standards 1 or the Table of Standards 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.</p>	Sections 5.8 and 8.0 of the SIP version are not included in the non-SIP version. As discussed in corresponding sections the non-SIP version is more stringent. The Table of Standards and Table of Standards 1 have the same VOC limits. Table of Standard 2 is more stringent as discussed below. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.
	<p>5.2 Most Restrictive VOC Limit: If anywhere on the container of any architectural coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf, any representation is made that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in the Table of Standards, then the most restrictive VOC content limit shall apply. This provision does not apply to the following coating categories:</p> <p>5.2.1 Lacquer coatings (including</p>	<p>5.2 Most Restrictive VOC Limit: If a coating meets the definition in Section 3.0 for one or more specialty coating categories listed in the Table of Standards 1 or the Table of Standards 2, then that coating is not required to meet the VOC limits for Flat, Nonflat, or Nonflat – High Gloss coatings, but is required to meet the VOC limit for the applicable specialty coating listed in the Table of Standards 1 or the Table of Standards 2.</p> <p>5.2.1 Effective until December 31, 2010, with the exception of the specialty coating categories specified in Section 5.2.3.1 through 5.2.3.15, if a coating is recommended for use</p>	The VOC limit of the non-SIP version is 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.

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	lacquer sanding sealers) 5.2.2 Metallic pigmented coatings 5.2.3 Shellacs 5.2.4 Fire-retardant coatings 5.2.5 Pretreatment wash primers 5.2.6 Industrial maintenance coatings 5.2.7 Low-solids coatings 5.2.8 Wood preservatives 5.2.9 High temperature coatings 5.2.10 Temperature-indicator safety coatings 5.2.11 Antenna coatings 5.2.12 Antifouling coatings 5.2.13 Flow coatings 5.2.14 Bituminous roof primers 5.2.15 Specialty primers, sealers and undercoaters	in more than one of the specialty coating categories listed in the Table of Standards 1, the most restrictive (or lowest) VOC content limit shall apply. 5.2.2 Effective on and after January 1, 2011, with the exception of the specialty coating categories specified in Sections 5.2.3.2, 5.2.3.3, 5.2.3.5 through 5.2.3.9, and 5.2.3.14 through 5.2.3.18, if a coating is recommended for use in more than one of the specialty coating categories listed in the Table of Standards 2, the most restrictive (or lowest) VOC content limit shall apply. 5.2.3 This requirement applies to: usage recommendations that appear anywhere on the coating container, anywhere on any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a manufacturer or anyone acting on their behalf. 5.2.3.1 Lacquer coatings (including lacquer sanding sealers) 5.2.3.2 Metallic pigmented coatings 5.2.3.3 Shellacs 5.2.3.4 Fire-retardant coatings 5.2.3.5 Pretreatment wash primers 5.2.3.6 Industrial maintenance coatings 5.2.3.7 Low-solids coatings 5.2.3.8 Wood preservatives 5.2.3.9 High temperature coatings 5.2.3.10 Temperature-indicator safety coatings 5.2.3.11 Antenna coatings 5.2.3.12 Antifouling coatings 5.2.3.13 Flow coatings 5.2.3.14 Bituminous roof primers 5.2.3.15 Specialty primers, sealers and undercoaters 5.2.3.16 Aluminum roof coatings 5.2.3.17 Zinc-rich primers 5.2.3.18 Wood Coatings	
	5.3 Sell-Through of Coatings: 5.3.1 A coating manufactured prior to the January 1, 2003 or January 1, 2004 effective date specified for that coating in the Table of Standards may be sold, supplied, or offered for sale for up to three years after the specified effective date. In addition, a coating manufactured before the effective date specified for that coating in the Table of Standards may be applied at any time,	5.3 Sell-Through of Coatings: A coating manufactured prior to the effective date specified for that coating in the Table of Standards 1 or the Table of Standards 2, and that complied with the standards in effect at the time the coating was manufactured, may be sold, supplied, or offered for sale for up to three years after the specified effective date. In addition, a coating manufactured before the effective date	The VOC limit of the non-SIP version is at least as stringent as the SIP version. Section 5.3.2 was removed it is no longer applicable in the SIP version. Therefore, the non-SIP version of the rule is more stringent

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>both before and after the specified effective date, so long as the coating complied with the standards in effect at the time the coating was manufactured. This Section 5.3 does not apply to any coating that does not display the date or date-code required by Section 6.1.1.</p> <p>5.3.2 A coating included in an approved Averaging Program that does not comply with the specified limit in the Table of Standards may be sold, supplied, or offered for sale for up to three years after the end of the compliance period specified in the approved Averaging Program. In addition, such a coating may be applied at any time, both during and after the compliance period. This Section 5.3.2 does not apply to any coating that does not display on the container either the statement: "This product is subject to architectural coatings averaging provisions in California" or a substitute symbol specified by the Executive Officer of the California Air Resources Board (ARB). This Section 5.3.2 shall remain in effect until January 1, 2008.</p>	<p>specified for that coating in the Table of Standards 1 or the Table of Standards 2 may be applied at any time, both before and after the specified effective date, so long as the coating complied with the standards in effect at the time the coating was manufactured. This Section 5.3 does not apply to any coating that does not display the date or date-code required by Section 6.1.1.</p>	<p>than the SIP version of the rule.</p>
	<p>5.4 Painting Practices: All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC containing materials used for thinning and cleanup shall also be closed when not in use.</p>	<p>5.4 Painting Practices: All architectural coating containers used to apply the contents therein to a surface directly from the container by pouring, siphoning, brushing, rolling, padding, ragging or other means, shall be closed when not in use. These architectural coating containers include, but are not limited to, drums, buckets, cans, pails, trays or other application containers. Containers of any VOC-containing materials used for thinning and cleanup shall also be closed when not in use.</p>	<p>No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.</p>
	<p>5.5 Thinning: No person who applies or solicits the application of any architectural coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the Table of Standards.</p>	<p>5.5 Thinning: No person who applies or solicits the application of any architectural coating shall apply a coating that is thinned to exceed the applicable VOC limit specified in the Table of Standards 1 or the Table of Standards 2.</p>	<p>The VOC limit of the non-SIP version is 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.</p>
	<p>5.6 Rust Preventative Coatings: Effective January 1, 2004, no person shall apply or solicit the application of any rust preventative coating for industrial use, unless such a rust preventative coating complies with the industrial maintenance coating VOC limit specified in the Table of Standards.</p>	<p>5.6 Rust Preventative Coatings: Effective through December 31, 2010, no person shall apply or solicit the application of any rust preventative coating for industrial use, unless such a rust preventative coating complies with the industrial maintenance coating VOC limit specified in the Table of Standards 1.</p>	<p>The VOC limit of the non-SIP version is 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.</p>
	<p>5.7 Coatings Not Listed in the Table of Standards: For any coating that does not meet any of the definitions for the specialty coatings categories listed in the Table of</p>	<p>5.7 Coatings Not Listed in the Table of Standards 1 or the Table of Standards 2: For any coating that does not meet any of the definitions for the specialty</p>	<p>The VOC limit of the non-SIP version is at least as stringent as the SIP version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	Standards, the VOC content limit shall be determined by classifying the coating as a flat coating or a nonflat coating, based on its gloss, as defined in Sections 3.21, 3.36 and 3.37 and the corresponding flat or nonflat VOC limit shall apply.	coatings categories listed in the Table of Standards 1 or the Table of Standards 2, the VOC content limit shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat – High Gloss coating, based on its gloss, and the corresponding Flat, Nonflat, or Nonflat – High Gloss VOC limit in the Table of Standards 1 or the Table of Standards 2 shall apply.	Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.
	5.8 Lacquers: Notwithstanding the provisions of Section 3.1, a person or facility may add up to 10 percent by volume of VOC to a lacquer to avoid blushing of the finish during days with relative humidity greater than 70 percent and temperature below 65°F, at the time of application, provided that the coating contains acetone and no more than 550 grams of VOC per liter of coating, less water and exempt compounds, prior to the addition of VOC.	---	This section has been removed. The operation is required to meet the lacquer VOC limit regardless of temperature and humidity. Therefore, non-SIP version of rule is as stringent as SIP version
	5.9 Averaging Compliance Option: On or after January 1, 2003, in lieu of compliance with the specified limits in The Table of Standards for floor coatings; industrial maintenance coatings; primers, sealers, and undercoaters; quick-dry primers, sealers, and undercoaters; quick-dry enamels; roof coatings; bituminous roof coatings; rust preventative coatings; stains; waterproofing sealers, as well as flats and non-flats (excluding recycled coatings), manufacturers may average designated coatings such that their actual cumulative emissions from the averaged coatings are less than or equal to the cumulative emissions that would have been allowed under those limits over a compliance period not to exceed one year. Such manufacturers must also comply with the averaging provisions contained in Section 8.0, as well as maintain and make available for inspection records for at least three years after the end of the compliance period. This Section 5.9 and Section 8.0 shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.	---	This section is removed from the non-SIP version, it is no longer applicable. Therefore, non-SIP version of rule is as stringent as SIP version.
	---	5.8 Prior to January 1, 2011, any coating that meets a definition in Section 3.0 for a coating category listed in the Table of Standards 2 and complies with the applicable VOC limit in the Table of Standards 2 and with Sections 5.2 and 6.1 (including those provision of Section 6.1 otherwise effective on January 1, 2011) shall be considered in compliance with this rule.	Table of Standards 2 is more stringent than the VOC limits of Table of Standards in the SIP-Approved version. Therefore, non-SIP version of rule is as stringent as SIP version.
	Table of Standards (See Attachment F for Table)	Table of Standards 1 (Effective through 12/31/10) (See Attachment F for Table)	The non-SIP rule requirements are the same as the Table of Standards in the SIP

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
			<p>approved rule, except Table of Standards 1 expires at which time Table of Standards 2 is in effect. As discussed below these standards are more stringent. Therefore, non-SIP version of rule is as stringent as SIP version.</p>
		<p>Table of Standards 2 (Effective on and after 1/1/11) (See Attachment F for Table)</p>	<p>The requirements of Table of Standards 2 are more stringent than the Table of Standards in the SIP rule. Therefore, non-SIP version of rule is as stringent as SIP version.</p>
<p>6.0 Administrative Requirements</p>	<p>6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the information listed in Sections 6.1.1 through 6.1.9 on the coating container (or label) in which the coating is sold or distributed.</p> <p>6.1.1 Date Code: The date the coating was manufactured, or a date code representing the date, shall be indicated on the label, lid or bottom of the container. If the manufacturer uses a date code for any coating, the manufacturer shall file an explanation of each code with the Executive Officer of the ARB.</p> <p>6.1.2 Thinning Recommendations: A statement of the manufacturer's recommendation regarding thinning of the coating shall be indicated on the label or lid of the container. This requirement does not apply to the thinning of architectural coatings with water. If thinning of the coating prior to use is not necessary, the recommendation must specify that the coating is to be applied without thinning.</p> <p>6.1.3 VOC Content: Each container of any coating subject to this rule shall display either the maximum or actual VOC content of the coating, as supplied, including the maximum thinning as recommended by the manufacturer. VOC content shall be displayed in grams of VOC per liter of coating. VOC content displayed shall be calculated using product formulation data, or shall be determined using the test methods in Section</p> <p>6.3.1. The equations in Sections 3.25 or 3.26, as appropriate, shall be used to calculate VOC content.</p> <p>6.1.4 Industrial Maintenance Coatings: In</p>	<p>6.1 Labeling Requirements: Each manufacturer of any architectural coating subject to this rule shall display the information listed in Sections 6.1.1 through 6.1.14 on the coating container (or label) in which the coating is sold or distributed.</p> <p>6.1.1 Date Code: The date the coating was manufactured, or a date code representing the date, shall be indicated on the label, lid or bottom of the container. If the manufacturer uses a date code for any coating, the manufacturer shall file an explanation of each code with the Executive Officer of the ARB.</p> <p>6.1.2 Thinning Recommendations: A statement of the manufacturer's recommendation regarding thinning of the coating shall be indicated on the label or lid of the container. This requirement does not apply to the thinning of architectural coatings with water. If thinning of the coating prior to use is not necessary, the recommendation must specify that the coating is to be applied without thinning.</p> <p>6.1.3 VOC Content: Each container of any coating subject to this rule shall display one of the following values, in grams of VOC per liter of coating:</p> <p>6.1.3.1 Maximum VOC Content, as determined from all potential product formulations; or</p> <p>6.1.3.2 VOC Content, as determined from actual formulation data; or</p> <p>6.1.3.3 VOC Content, as determined using the test methods in Section 6.3.2.</p> <p>If the manufacturer does not</p>	<p>The non-SIP approved rule contain sections listed in the SIP rule plus additional requirements not found in the SIP version. Therefore, non-SIP version of rule is as stringent as SIP version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>addition to the information specified in Sections 6.1.1, 6.1.2 and 6.1.3, each manufacturer of any industrial maintenance coating subject to this rule shall display on the label or lid of the container in which the coating is sold or distributed one or more of the following descriptions listed in Section 6.1.4.1 through 6.1.4.3.</p> <p>6.1.4.1 "For industrial use only" 6.1.4.2 "For professional use only" 6.1.4.3 "Not for residential use" or "Not intended for residential use"</p> <p>6.1.5 Clear Brushing Lacquers: Effective January 1, 2003, the labels of all clear brushing lacquers shall prominently display the statements "For brush application only," and "This product must not be thinned or sprayed."</p> <p>6.1.6 Rust Preventative Coatings: Effective January 1, 2003, the labels of all rust preventative coatings shall prominently display the statement "For Metal Substrates Only"</p> <p>6.1.7 Specialty Primers, Sealers and Undercoaters: Effective January 1, 2003, the labels of all specialty primers, sealers and undercoaters shall prominently display one or more of the descriptions listed in Section</p> <p>6.1.7.1 through 6.1.7.5. 6.1.7.1 For blocking stains. 6.1.7.2 For fire-damaged substrates. 6.1.7.3 For smoke-damaged substrates. 6.1.7.4 For water-damaged substrates. 6.1.7.5 For excessively chalky substrates.</p> <p>6.1.8 Quick Dry Enamels: Effective January 1, 2003, the labels of all quick dry enamels shall prominently display the words "Quick Dry" and the dry hard time.</p> <p>6.1.9 Non-flat – High Gloss Coatings: Effective January 1, 2003, the labels of all non-flat – high gloss coatings shall prominently display the words "High Gloss".</p>	<p>recommend thinning, the container must display the VOC Content, as supplied. If the manufacturer recommends thinning, the container must display the VOC Content, including the maximum amount of thinning solvent recommended by the manufacturer. If the coating is a multicomponent product, the container must display the VOC content as mixed or catalyzed. If the coating contains silanes, siloxanes, or other ingredients that generate ethanol or other VOCs during the curing process, the VOC content must include the VOCs emitted during curing.</p> <p>6.1.4 Faux Finishing Coatings: Effective January 1, 2011, the labels of all clear topcoat Faux Finishing coatings shall prominently display the statement "This product can only be sold or used as part of a Faux Finishing coating system".</p> <p>6.1.5 Industrial Maintenance Coatings: Each manufacturer of any industrial maintenance coating subject to this rule shall display on the label or lid of the container in which the coating is sold or distributed one or more of the following descriptions listed in Section 6.1.5.1 through 6.1.5.3. 6.1.5.1 "For industrial use only" 6.1.5.2 "For professional use only" 6.1.5.3 "Not for residential use" or "Not intended for residential use"</p> <p>6.1.6 Clear Brushing Lacquers: The labels of all clear brushing lacquers shall prominently display the statements "For brush application only," and "This product must not be thinned or sprayed." (Category deleted effective January 1, 2011.)</p> <p>6.1.7 Rust Preventative Coatings: The labels of all rust preventative coatings shall prominently display the statement "For Metal Substrates Only".</p> <p>6.1.8 Specialty Primers, Sealers and Undercoaters: Effective until December 31, 2010, the labels of all specialty primers, sealers and undercoaters shall prominently display one or more of the descriptions listed in Section 6.1.8.1 through 6.1.8.5. Effective on and after January 1, 2011, the labels of all specialty primers, sealers, and undercoaters shall prominently display one or more of the descriptions listed in Sections 6.1.8.1 through 6.1.8.3. On and after January</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>1, 2011, Sections 6.1.8.4 and 6.1.8.5 will be no longer effective.</p> <p>6.1.8.1 For fire-damaged substrates.</p> <p>6.1.8.2 For smoke-damaged substrates.</p> <p>6.1.8.3 For water-damaged substrates.</p> <p>6.1.8.4 For excessively chalky substrates.</p> <p>6.1.8.5 For blocking stains.</p> <p>6.1.9 Quick Dry Enamels: The labels of all quick dry enamels shall prominently display the words "Quick Dry" and the dry hard time. (Category deleted effective January 1, 2011.)</p> <p>6.1.10 Reactive Penetrating Sealers: Effective January 1, 2011, the labels of all Reactive Penetrating Sealers shall prominently display the statement "Reactive Penetrating Sealer."</p> <p>6.1.11 Stone Consolidants: Effective January 1, 2011, the labels of all Stone Consolidants shall prominently display the statement "Stone Consolidant - For Professional Use Only."</p> <p>6.1.12 Nonflat- High Gloss Coatings: The labels of all Nonflat - high gloss coatings shall prominently display the words "High Gloss."</p> <p>6.1.13 Wood Coatings: Effective January 1, 2011, the labels of all Wood Coatings shall prominently display the statement "For Wood Substrates Only."</p> <p>6.1.14 Zinc Rich Primers: Effective January 1, 2011, the labels of all Zinc Rich Primers shall prominently display one or more of the following descriptions listed in Section 6.1.14.1 through 6.1.14.3.</p> <p>6.1.14.1 "For industrial use only"</p> <p>6.1.14.2 "For professional use only"</p> <p>6.1.14.3 "Not for residential use" or "Not intended for residential use"</p>	
	<p>6.2 Reporting Requirements</p> <p>6.2.1 Clear Brushing Lacquers: Each manufacturer of clear brushing lacquers shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of clear brushing lacquers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.2 Rust Preventative Coatings: Each</p>	<p>6.2 Reporting Requirements</p> <p>The reporting requirements specified in Sections 6.2.1 through 6.2.6 shall apply until December 31, 2010.</p> <p>6.2.1 Clear Brushing Lacquers: Each manufacturer of clear brushing lacquers shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of clear brushing lacquers</p>	<p>Until December 31, 2010 both versions of the rule have the same reporting requirements. After that date the non-SIP approved rule includes very specific information to be kept and is required for all architectural coatings. Therefore, non-SIP version of rule is as stringent as SIP</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>manufacturer of rust preventative coatings shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of rust preventative coatings sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.3 Specialty Primers, Sealers and Undercoaters: Each manufacturer of specialty primers, sealers and undercoaters shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of specialty primers, sealers and undercoaters sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.4 Toxic Exempt Compounds: For each architectural coating that contains perchloroethylene or methylene chloride, the manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB the following information for products sold in the State during the preceding year:</p> <p>6.2.4.1 the product brand name and a copy of the product label with legible usage instructions;</p> <p>6.2.4.2 the product category listed in the Table of Standards to which the coating belongs;</p> <p>6.2.4.3 the total sales in California during the calendar year to the nearest gallon;</p> <p>6.2.4.4 the volume percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the coating.</p> <p>6.2.5 Recycled Coatings: Manufacturers of recycled coatings must submit a letter to the Executive Officer of the ARB certifying their status as a Recycled Paint Manufacturer. The manufacturer shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall include, for all recycled coatings, the total number of gallons distributed in the State during the preceding year, and shall describe the method used by the manufacturer to calculate State distribution.</p> <p>6.2.6 Bituminous Coatings: Each manufacturer of bituminous roof coatings or bituminous roof primers shall, on or</p>	<p>sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.2 Rust Preventative Coatings: Each manufacturer of rust preventative coatings shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of rust preventative coatings sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.3 Specialty Primers, Sealers and Undercoaters: Each manufacturer of specialty primers, sealers and undercoaters shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall specify the number of gallons of specialty primers, sealers and undercoaters sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p> <p>6.2.4 Toxic Exempt Compounds: For each architectural coating that contains perchloroethylene or methylene chloride, the manufacturer shall, on or before April 1 of each calendar year beginning in the year 2004, submit an annual report to the Executive Officer of the ARB the following information for products sold in the State during the preceding year:</p> <p>6.2.4.1 the product brand name and a copy of the product label with legible usage instructions;</p> <p>6.2.4.2 the product category listed in the Table of Standards 1 or the Table of Standards 2 to which the coating belongs;</p> <p>6.2.4.3 the total sales in California during the calendar year to the nearest gallon;</p> <p>6.2.4.4 the volume percent, to the nearest 0.10 percent, of perchloroethylene and methylene chloride in the coating.</p> <p>6.2.5 Recycled Coatings: Manufacturers of recycled coatings must submit a letter to the Executive Officer of the ARB certifying their status as a Recycled Paint Manufacturer. The manufacturer shall, on or before April</p>	<p>version.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of ARB. The report shall specify the number of gallons of bituminous roof coatings or bituminous roof primers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate State sales.</p>	<p>1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of the ARB. The report shall include, for all recycled coatings, the total number of gallons distributed in the State during the preceding year, and shall describe the method used by the manufacturer to calculate State distribution.</p> <p>6.2.6 Bituminous Coatings: Each manufacturer of bituminous roof coatings or bituminous roof primers shall, on or before April 1 of each calendar year beginning with the year 2004, submit an annual report to the Executive Officer of ARB. The report shall specify the number of gallons of bituminous roof coatings or bituminous roof primers sold in the State during the preceding calendar year, and shall describe the method used by the manufacturer to calculate state sales.</p> <p>6.2.7 Effective on and after January 1, 2011, Sales Data: All sales data listed in Sections 6.2.7.1 to 6.2.7.14 shall be maintained on-site by the responsible official for a minimum of three years. A responsible official from each manufacturer shall upon request of the Executive Officer of the ARB, or his or her delegate, provide data concerning the distribution and sales of architectural coatings. Sales data submitted by the responsible official to the Executive Officer of the ARB may be claimed as confidential, and such information shall be handled in accordance with the procedures specified in Title 17, California Code of Regulations Sections 91000-91022. The responsible official shall within 180 days provide information, including, but not limited to the data listed in Sections 6.2.7.1 through 6.2.7.14:</p> <p>6.2.7.1 the name and mailing address of the manufacturer;</p> <p>6.2.7.2 the name, address and telephone number of a contact person;</p> <p>6.2.7.3 the name of the coating product as it appears on the label and the applicable coating category;</p> <p>6.2.7.4 whether the product is marketed for interior or exterior use or both;</p> <p>6.2.7.5 the number of gallons sold in California in containers greater than one liter (1.057 quart) and equal to or less</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>than one liter (1.057 quart);</p> <p>6.2.7.6 the VOC Actual content and VOC Regulatory content in grams per liter. If thinning is recommended, list the VOC Actual content and VOC Regulatory content after maximum recommended thinning. If containers less than one liter have a different VOC content than containers greater than one liter, list separately. If the coating is a multi-component product, provide the VOC content as mixed or catalyzed;</p> <p>6.2.7.7 the names and CAS numbers of the VOC constituents in the product;</p> <p>6.2.7.8 the names and CAS numbers of any compounds in the product specifically exempted from the VOC definition;</p> <p>6.2.7.9 whether the product is marketed as solvent-borne, waterborne, or 100% solids;</p> <p>6.2.7.10 description of resin or binder in the product;</p> <p>6.2.7.11 whether the coating is a single-component or multi-component product;</p> <p>6.2.7.12 the density of the product in pounds per gallon;</p> <p>6.2.7.13 the percent by weight of: solids, all volatile materials, water, and any compounds in the product specifically exempted from the VOC definition; and</p> <p>6.2.7.14 the percent by volume of: solids, water, and any compounds in the product specifically exempted from the VOC definition.</p>	
	<p>6.3 Test Methods</p> <p>6.3.1 VOC Content of Coatings: To determine the physical properties of a coating in order to perform the calculations in Section 3.26 and 3.27, the reference method for VOC content is U.S. EPA Method 24, except as provided in Sections 6.3.2 and 6.3.15. An alternative method to determine the VOC content of coatings is SCAQMD Method 304-91 (Revised February 1996), incorporated by reference in Section 6.3.14. The exempt compounds content shall be determined by SCAQMD Method 303-91 (Revised August 1996), incorporated by reference in Section</p>	<p>6.3 Test Methods</p> <p>The test methods listed below shall be used to demonstrate compliance with this rule. Alternate equivalent test methods may be used provided the test methods have been approved by the APCO and EPA.</p> <p>6.3.1 Calculation of VOC Content: For the purpose of determining compliance with the VOC content limits in the Table of Standards 1 or the Table of Standards 2, the VOC content of a coating shall be determined as defined in Section 3.77, 3.78, or 3.79 as appropriate. The VOC content of a tint base shall be determined without</p>	<p>The non-SIP version includes all the requirements of the SIP version. Therefore, the non-SIP version of the rule is more stringent than the SIP version of the rule.</p>

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>6.3.12. To determine the VOC content of a coating, the manufacturer may use U.S. EPA Method 24, or an alternative method as provided in Section 6.3.2, formulation data, or any other reasonable means for predicting that the coating has been formulated as intended (e.g., quality assurance checks, recordkeeping). However, if there are any inconsistencies between the results of a Method 24 test and any other means for determining VOC content, the Method 24 test results will govern, except when an alternative method is approved as specified in Section 6.3.2. The District Air Pollution Control Officer (APCO) may require the manufacturer to conduct a Method 24 analysis.</p> <p>6.3.2 Alternative Test Methods: Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with Section 6.3.1, after review and approved in writing by the staffs of the District, the ARB and the U.S. EPA, may also be used. 6.3.3 Methacrylate Traffic Marking Coatings: Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of U.S. EPA Method 24 (40 CFR 59, subpart D, Appendix A), incorporated by reference in Section 6.3.15. This method has not been approved for methacrylate multicomponent coatings used for other purposes than as traffic marking coatings or for other classes of multicomponent coatings.</p> <p>6.3.4 Flame Spread Index: The flame spread index of a fire-retardant coating shall be determined by ASTM Designation E 84-99, "Standard Test Method for Surface Burning Characteristics of Building Materials"(see Section 3, Fire-Retardant Coating).</p> <p>6.3.5 Fire Resistance Rating: The fire resistance rating of a fire-resistive coating shall be determined by ASTM Designation E 119-98, "Standard Test Methods for Fire Tests of Building Construction Materials"(see Section 3, Fire-Resistive Coating).</p> <p>6.3.6 Gloss Determination: The gloss of a coating shall be determined by ASTM Designation D 523-89 (1999), "Standard Test Method for Specular Gloss"(see Section 3, Flat Coating, Nonflat Coating, Nonflat-High Gloss Coating and Quick-Dry Enamel).</p> <p>6.3.7 Metal Content of Coatings: The</p>	<p>colorant that is added after the tint base is manufactured. If the manufacturer does not recommend thinning, the VOC Content must be calculated for the product as supplied. If the manufacturer recommends thinning, the VOC Content must be calculated including the maximum amount of thinning solvent recommended by the manufacturer. If the coating is a multi-component product, the VOC content must be calculated as mixed or catalyzed. If the coating contains silanes, siloxanes, or other ingredients that generate ethanol or other VOC during the curing process, the VOC content must include the VOCs emitted during curing.</p> <p>6.3.2 VOC Content of Coatings: To determine the physical properties of a coating in order to perform the calculations in Section 3.77 and 3.79, the reference method for VOC content is EPA Method 24, except as provided in Sections 6.3.3 and 6.3.16. An alternative method to determine the VOC content of coatings is SCAQMD Method 304-91 (Revised February 1996). The exempt compounds content shall be determined by SCAQMD Method 303-91 (Revised 1993), BAAQMD Method 43 (Revised 1996), or BAAQMD Method 41 (Revised 1995), as applicable. To determine the VOC content of a coating, the manufacturer may use EPA Method 24, or an alternative method as provided in Section 6.3.3, formulation data, or any other reasonable means for predicting that the coating has been formulated as intended (e.g., quality assurance checks, recordkeeping). However, if there are any inconsistencies between the results of EPA Method 24 test and any other means for determining VOC content, the EPA Method 24 test results will govern, except when an alternative method is approved as specified in Section 6.3.3. The District Air Pollution Control Officer (APCO) may require the manufacturer to conduct an EPA Method 24 analysis.</p> <p>6.3.3 Alternative Test Methods: Other test methods demonstrated to provide results that are acceptable for purposes of determining compliance with Section 6.3.2 4, after review and approved in writing by the staffs of the District, ARB and EPA, may also be used.</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p>metallic content of a coating shall be determined by SCAQMD Method 318-95, Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction, <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3, Metallic Pigmented Coating).</p> <p>6.3.8 Acid Content of Coatings: The acid content of a coating shall be determined by ASTM Designation D 1613-96, "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and related products"(see Section 3, Pre-Treatment Wash Primer).</p> <p>6.3.9 Drying Times: The set-to-touch, dry-hard, dry-to-touch and dry-to-recoat times of a coating shall be determined by ASTM Designation D 1640-95, "Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature" (see Section 3, Quick-Dry Enamel and Quick-Dry Primer, Sealer and Undercoater) The tack-free time of a quickdry enamel coating shall be determined by the Mechanical Test Method of ASTM Designation D 1640-95.</p> <p>6.3.10 Surface Chalkiness: The chalkiness of a surface shall be determined using ASTM Designation D4214-98, "Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films"(see Section 3, Specialty Primer, Sealer and Undercoater).</p> <p>6.3.11 Exempt Compounds—Siloxanes: Exempt compounds that are cyclic, branched, or linear completely methylated siloxanes, shall be analyzed as exempt compounds for compliance with Section 6 by BAAQMD Method 43, "Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 11/6/96 (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.12 Exempt Compounds—Parachlorobenzotrifluoride (PCBTF): The exempt compound parachlorobenzotrifluoride, shall be analyzed as an exempt compound for compliance with Section 6 by BAAQMD Method 41, "Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride," <i>BAAQMD</i></p>	<p>6.3.4 Methacrylate Traffic Marking Coatings: Analysis of methacrylate multicomponent coatings used as traffic marking coatings shall be conducted according to a modification of EPA Method 24 (40 CFR 59, subpart D, Appendix A). This method has not been approved for methacrylate multicomponent coatings used for other purposes than as traffic marking coatings or for other classes of multicomponent coatings.</p> <p>6.3.5 Flame Spread Index: The flame spread index of a fire-retardant coating shall be determined by ASTM E84-07, "Standard Test Method for Surface Burning Characteristics of Building Materials" (see Section 3.0, Fire-Retardant Coating).</p> <p>6.3.6 Fire Resistance Rating: The fire resistance rating of a fire-resistive coating shall be determined by ASTM E119-07, "Standard Test Methods for Fire Tests of Building Construction Materials" (see Section 3.0, Fire-Resistive Coating).</p> <p>6.3.7 Gloss Determination: The gloss of a coating shall be determined by ASTM D523-89 (1999), "Standard Test Method for Specular Gloss" (see Section 3.0, Flat Coating, Nonflat Coating, Nonflat-High Gloss Coating and Quick-Dry Enamel).</p> <p>6.3.8 Metal Content of Coatings: The metallic content of a coating shall be determined by SCAQMD Method 318-95, Determination of Weight Percent Elemental Metal in Coatings by X-Ray Diffraction, <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3.0, Metallic Pigmented Coating, Aluminum Roof Coating and Faux Finish).</p> <p>6.3.9 Acid Content of Coatings: The acid content of a coating shall be determined by ASTM D1613-06, "Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer and related products" (see Section 3.0, Pre-Treatment Wash Primer).</p> <p>6.3.10 Drying Times: The set-to-touch, dry-hard, dry-to-touch and dry-to-recoat times of a coating shall be determined by ASTM D1640-95, "Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings at Room Temperature" (see Section 3.0, Quick-Dry Enamel and Quick-Dry Primer, Sealer and</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
	<p><i>Manual of Procedures</i>, Volume III, adopted 12/20/95 (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.13 Exempt Compounds: The content of compounds under U.S. EPA Method 24 shall be analyzed by SCAQMD Method 303-91 (Revised 1996), "Determination of Exempt Compounds," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3, Volatile Organic Compound, and Section 6.3.1).</p> <p>6.3.14 VOC Content of Coatings: The VOC content of a coating shall be determined by U.S. EPA Method 24 as it exists in appendix A of 40 <i>Code of Federal Regulations</i> (CFR) part 60, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings"(see Section 6.3.1).</p> <p>6.3.15 Alternative VOC Content of Coatings: The VOC content of coatings may be analyzed either by U.S. EPA Method 24 or SCAQMD Method 304-91 (Revised 1996), "Determination of Volatile Organic Compounds (VOC) in Various Materials," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 6.3.1).</p> <p>6.3.16 Methacrylate Traffic Marking Coatings: The VOC content of methacrylate multicomponent coatings used as traffic marking coatings shall be analyzed by the procedures in 40 CFR part 59, subpart D, appendix A, "Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings" (September 11, 1998) (see Section 6.3.3).</p>	<p>Undercoater) The tack-free time of a quick-dry enamel coating shall be determined by the Mechanical Test Method of ASTM D1640-95. (Category deleted effective January 1, 2011.)</p> <p>6.3.11 Surface Chalkiness: The chalkiness of a surface shall be determined using ASTM D4214-98, "Standard Test Methods for Evaluating the Degree of Chalking of Exterior Paint Films"(see Section 3, Specialty Primer, Sealer and Undercoater). (Category deleted effective January 1, 2011.)</p> <p>6.3.12 Exempt Compounds—Siloxanes: Exempt compounds that are cyclic, branched, or linear completely methylated siloxanes, shall be analyzed as exempt compounds for compliance with Section 6 by BAAQMD Method 43, "Determination of Volatile Methylsiloxanes in Solvent-Based Coatings, Inks, and Related Materials," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 11/6/96 (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.13 Exempt Compounds—Parachlorobenzotrifluoride (PCBTF): The exempt compound parachlorobenzotrifluoride, shall be analyzed as an exempt compound for compliance with Section 6 by BAAQMD Method 41, "Determination of Volatile Organic Compounds in Solvent Based Coatings and Related Materials Containing Parachlorobenzotrifluoride," <i>BAAQMD Manual of Procedures</i>, Volume III, adopted 12/20/95 (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.14 Exempt Compounds: The content of compounds under U.S. EPA Method 24 shall be analyzed by SCAQMD Method 303-91 (Revised 1993), "Determination of Exempt Compounds," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i> (see Section 3.0, Volatile Organic Compound, and Section 6.3.2).</p> <p>6.3.15 VOC Content of Coatings: The VOC content of a coating shall be determined by EPA Method 24 as it exists in appendix A of 40 <i>Code of Federal Regulations</i> (CFR) part 60, "Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings" (see Section</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>6.3.2).</p> <p>6.3.16 Alternative VOC Content of Coatings: The VOC content of coatings may be analyzed either by U.S. EPA Method 24 or SCAQMD Method 304-91 (Revised 1996), "Determination of Volatile Organic Compounds (VOC) in Various Materials," <i>SCAQMD Laboratory Methods of Analysis for Enforcement Samples</i>.</p> <p>6.3.17 Methacrylate Traffic Marking Coatings: The VOC content of methacrylate multicomponent coatings used as traffic marking coatings shall be analyzed by the procedures in 40 CFR part 59, subpart D, appendix A, "Determination of Volatile Matter Content of Methacrylate Multicomponent Coatings Used as Traffic Marking Coatings" (September 11, 1998).</p> <p>6.3.18 Hydrostatic Pressure for Basement Specialty Coatings: The hydrostatic pressure resistance for basement specialty coatings shall be analyzed using ASTM D7088-04, "Standard Practice for Resistance to Hydrostatic Pressure for Coatings Used in Below Grade Applications Applied to Masonry".</p> <p>6.3.19 Tub and Tile Refinish Coating Adhesion: The adhesion of tub and tile coating shall be determined by ASTM D4585-99, "Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation" and ASTM D3359-02, "Standard Test Methods for Measuring Adhesion by Tape Test".</p> <p>6.3.20 Tub and Tile Refinish Coating Hardness: The hardness of tub and tile refinish coating shall be determined by ASTM D3363-05, "Standard Test Method for Film Hardness by Pencil Test".</p> <p>6.3.21 Tub and Tile Refinish Coating Abrasion Resistance: Abrasion resistance of tub and tile refinish coating shall be analyzed by ASTM D4060-07, "Standard Test Methods for Abrasion Resistance of Organic Coatings by the Taber Abraser".</p> <p>6.3.22 Tub and Tile Refinish Coating Water Resistance: Water resistance of tub and tile refinish coatings shall be determined by ASTM D4585-99, "Standard Practice for Testing Water Resistance of Coatings Using Controlled Condensation" and ASTM D714-02e1, "Standard Test Method for Evaluating Degree of Blistering of</p>	

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
		<p>Paints".</p> <p>6.3.23 Waterproofing Membrane: Waterproofing membrane shall be tested by ASTM C836-06, "Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course".</p> <p>6.3.24 Mold and Mildew Growth for Basement Specialty Coatings: Mold and mildew growth resistance for basement specialty coatings shall be determined by ASTM D3273-00, "Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber" and ASTM D3274-95, "Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation".</p> <p>6.3.25 Reactive Penetrating Sealer Water Repellency: Reactive penetrating sealer water repellency shall be analyzed by ASTM C67-07, "Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile"; or ASTM C97-02, "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone"; or ASTM C140-06, "Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units".</p> <p>6.3.26 Reactive Penetrating Sealer Water Vapor Transmission: Reactive penetrating sealer water vapor transmission shall be analyzed ASTM E96/E96M-05, "Standard Test Method for Water Vapor Transmission of Materials".</p> <p>6.3.27 Reactive Penetrating Sealer - Chloride Screening Applications: Reactive penetrating sealers shall be analyzed by National Cooperative Highway Research Report 244 (1981), "Concrete Sealers for the Protection of Bridge Structures".</p> <p>6.3.28 Stone Consolidants: Stone consolidants shall be tested using ASTM E2167-01, "Standard Guide for Selection and Use of Stone Consolidants".</p>	
7.0 Compliance Schedule	Persons subject to this rule shall be in compliance with this rule by October 31, 2001.	Persons subject to this rule shall be in compliance with this rule by the dates specified within the rule.	No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.

Requirement Category	SIP Version of Rule 4601 (10/31/01)	Non-SIP Version of Rule 4601 (12/17/09)	Conclusion
8.0 Averaging Compliance Option	<p>8.1 On or after January 1, 2003, in lieu of compliance with the specified limits in the Table of Standards for floor coatings; industrial maintenance coatings; primers, sealers, and undercoaters; quick-dry primers, sealers, and undercoaters; quick-dry enamels; roof coatings; rust preventative coatings; stains; waterproofing sealers, as well as flats and non-flats (excluding recycled coatings), manufacturers may average designated coatings such that their actual cumulative emissions from the averaged coatings are less than or equal to the cumulative emissions that would have been allowed under those limits over a compliance period not to exceed one year. Such manufacturers must also comply with the averaging provisions contained in this Section, as well as maintain and make available for inspection records for at least three years after the end of the compliance period. This Section shall cease to be effective on January 1, 2005, after which averaging will no longer be allowed.</p> <p>Per Section 8.1, averaging is no longer applicable. Therefore, Section 8.2 through 8.14 are not listed.</p>		No change in the requirements, therefore, non-SIP version of rule is as stringent as SIP version.

District Rule 4601 was amended (12/17/2009). 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.

ATTACHMENT E

Table of Standards in Rule 4601

TABLE OF STANDARDS 1 (Effective through 12/31/10)

Limits are expressed in grams of VOC per liter^a of coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, exempt compounds, or colorant added to tint bases. Manufacturer's maximum recommendation means the maximum recommendation for thinning that is indicated on the label or lid of the coating container.

COATING CATEGORY	Effective Date: 1/1/2003
Flat Coatings	100
Nonflat Coatings	150
Nonflat - High Gloss Coatings	250
Specialty Coatings	
Antenna Coatings	530
Antifouling Coatings	400
Bituminous Roof Coatings	300
Bituminous Roof Primers	350
Bond Breakers	350
Clear Wood Coatings:	
Clear Brushing Lacquers	680
Lacquers (including lacquer sanding sealers)	550
Sanding Sealers (other than lacquer sanding sealers)	350
Varnishes	350
Concrete Curing Compounds	350
Dry Fog Coatings	400
Faux Finishing Coatings	350
Fire Resistant Coatings	350
Fire-Retardant Coatings:	
Clear	650
Opaque	350
Floor Coatings	250
Flow Coatings	420
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 ^b
Magnesite Cement Coatings	450
Mastic Texture Coatings	300
Metallic Pigmented Coatings	500
Multi-Color Coatings	250

TABLE OF STANDARDS 1, continued (Effective through 12/31/10)

COATING CATEGORY	Effective Date: 1/1/2003
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	200
Quick-Dry Enamels	250
Quick-Dry Primers, Sealers and Undercoaters	200
Recycled Coatings	250
Roof Coatings	250
Rust Preventative Coatings	400
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	350
Stains	250
Swimming Pool Coatings	340
Swimming Pool Repair and Maintenance Coatings	340
Temperature-Indicator Safety Coatings	550
Traffic Marking Coatings	150
Waterproofing Sealers	250
Waterproofing Concrete/Masonry Sealers	400
Wood Preservatives	350

a Conversion factor: one pound VOC per gallon (U.S.) = 119.95 grams VOC per liter.

b Units are grams of VOC per liter of coating, including water and exempt compounds in accordance with Section 3.27.

TABLE OF STANDARDS 2 (Effective on and after 1/1/11)

Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

COATING CATEGORY	VOC Limit (g/l) Effective 1/1/2011 through 12/31/2011²	VOC Limit (g/l) Effective on and after 1/1/2012²
Flat Coatings	50	50
Nonflat Coatings	100	100
Nonflat - High Gloss Coatings	150	150
Specialty Coatings		
Aluminum Roof Coatings	400	400
Basement Specialty Coatings	400	400
Bituminous Roof Coatings	50	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	100	100
Driveway Sealers	50	50
Dry Fog Coatings	150	150
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	350
Floor Coatings	100	100
Form-Release Compounds	250	250
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings ¹	120 ¹	120 ¹
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	100	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	100	100
Reactive Penetrating Sealers	350	350
Recycled Coatings	250	250
Roof Coatings	50	50
Rust Preventative Coatings	400	250

TABLE OF STANDARDS 2 (continued) (Effective on and after 1/1/11)

Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

COATING CATEGORY	VOC Limit (g/l) Effective 1/1/2011 through 12/31/2011²	VOC Limit (g/l) Effective on and after 1/1/2012²
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	350	100
Stains	250	250
Stone Consolidants	450	450
Swimming Pool Coatings	340	340
Traffic Marking Coatings	100	100
Tub and Tile Refinish Coatings	420	420
Waterproofing Membranes	250	250
Wood Coatings	275	275
Wood Preservatives	350	350
Zinc-Rich Primers	340	340