



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

FEB 24 2010

Roger Ashlock  
Environmental Coordinator  
Worldcolor (USA) LLC  
2201 Cooper Ave  
Merced, CA 95348-4307

**Re: Administrative Amendment to Title V Operating Permit  
District Facility # N-1646  
Project # N-1100500**

Dear Mr. Ashlock:

In accordance with District Rule 2520, Federally Mandated Operating Permits, the District has administratively amended the operating permits for facility N-1646 from Quebecor World Inc. to the new owner, Worldcolor (USA) LLC. No other changes to the permit terms or conditions were made. The amended permit is attached. This amendment is being sent to you as a final action. The expiration date will not be updated until the renewal application is processed.

Your cooperation in this matter was appreciated. Should you have any questions, please contact Mr. Jim Swaney at (559) 230-6000.

Sincerely,

David Warner  
Director of Permit Services

Jim Swaney, P.E.  
Permit Services Manager

DW:mk

C: Gerardo Rios, EPA Region IX

Enclosures

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

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**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  
[www.valleyair.org](http://www.valleyair.org)

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



# Permit to Operate

**FACILITY:** N-1646

**EXPIRATION DATE:** 09/30/2008

**LEGAL OWNER OR OPERATOR:**

WORLDCOLOR (USA) LLC

**MAILING ADDRESS:**

2201 COOPER AVE  
MERCED, CA 95348

**FACILITY LOCATION:**

2201 COOPER AVE  
MERCED, CA 95348

**FACILITY DESCRIPTION:**

COMMERCIAL PRINTING

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**David Warner**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

**FACILITY:** N-1646-0-1

**EXPIRATION DATE:** 09/30/2008

## **FACILITY-WIDE REQUIREMENTS**

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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 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; 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

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: Feb 22 2010 4:49PM - KEASTMD

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
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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
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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
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  
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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**

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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-1646-6-2

**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**

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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 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. 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 20.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Emissions from the drying oven shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. 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
20. 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
21. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
29. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
30. 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-1646-7-2

**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**

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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 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. 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 20.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Emissions from the drying oven shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. 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
20. 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
21. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
29. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
30. 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-1646-10-3

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

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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

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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

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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**

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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**

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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

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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-1646-16-2

**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

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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 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. 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 20.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
15. Emissions from the drying oven shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
16. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
17. 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
18. 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
19. 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
20. 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
21. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
29. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
30. 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-1646-19-1

**EXPIRATION DATE:** 09/30/2008

**EQUIPMENT DESCRIPTION:**

PAPER SLITTING OPERATION SERVED BY A FABRIC DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

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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-1646-23-1

**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

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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 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<sub>x</sub> emission concentration from the drying oven shall not exceed 65 ppmv, dry, corrected to 3% oxygen (O<sub>2</sub>). [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<sub>x</sub>/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<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/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 NSR Rules & 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 40 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-1646-24-1

**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**

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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<sub>x</sub> emission concentration from the drying oven shall not exceed 65 ppmv, dry, corrected to 3% oxygen (O<sub>2</sub>). [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<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/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<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/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-1646-25-1

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

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1. The drying oven and regenerative thermal oxidizers shall be fired exclusively on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
2. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal incinerator 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
3. 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
4. Each thermal incinerator shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule and 4607, 5.5] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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
9. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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, 5.8.9] Federally Enforceable Through Title V Permit
11. 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 NSR Rule] Federally Enforceable Through Title V Permit
12. 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
13. The NOx 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
14. Emissions from the drying oven shall not exceed any of the following limits: 0.00285 lb-SOx/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
15. Emissions from the regenerative thermal oxidizers shall not exceed any of the following limits: 0.1 lb-NOx/MMBtu, 0.00285 lb-SOx/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
16. 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
17. 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, 6.1.2.2] Federally Enforceable Through Title V Permit
18. 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
19. The permittee shall maintain daily records of the quantity of VOC emitted (in pounds) from the printing press. [District Rules 1070, 4.0 and 2520, 9.3.2] Federally Enforceable Through Title V Permit
20. A daily log of fuel usage for each drying oven and each thermal oxidizer shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
21. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520, 9.3.2 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
22. 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
23. 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
24. 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
25. 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
26. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

27. 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
28. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR part 64]
29. The permittee shall comply with the recordkeeping and reporting requirements of 40 CFR part 64.9. [40 CFR part 64]
30. 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-1646-26-5

EXPIRATION DATE: 09/30/2008

## EQUIPMENT DESCRIPTION:

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

## PERMIT UNIT REQUIREMENTS

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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. 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 Rules 2201] Federally Enforceable Through Title V Permit
4. The drying oven serving the heatset offset printing press shall be maintained under negative pressure and shall be vented through the thermal incinerator 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
5. The collection system for the dryer exhaust 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 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 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 Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
8. The thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District Rules 2201 and 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
9. 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 NSR Rule] Federally Enforceable Through Title V Permit
10. 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.

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. 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. The NO<sub>x</sub> emission concentration from the drying oven shall not exceed 65 ppmv, dry, corrected to 3% oxygen (O<sub>2</sub>). [District NSR Rule] Federally Enforceable Through Title V Permit
18. The CO emissions rate from the drying oven shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The PM<sub>10</sub> emissions rate from the drying oven shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The SO<sub>x</sub> emissions rate from the drying oven shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The VOC emissions rate from the drying oven shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The NO<sub>x</sub> emission rate from the regenerative thermal oxidizer shall not exceed 0.18 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The CO emissions rate from the regenerative thermal oxidizer shall not exceed 0.07 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. The PM<sub>10</sub> emissions rate from the regenerative thermal oxidizer shall not exceed 0.01 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.

25. The SOx 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. 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
29. 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
30. 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
31. The permittee shall maintain daily records of the quantity of VOC emitted (in pounds) from the printing press. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
32. The permittee shall maintain daily records of the cumulative quantity of VOC emitted (in pounds) from all graphic arts printing operations at the facility. [District Rule 1070 and 2201] Federally Enforceable Through Title V Permit
33. A daily log of fuel usage for each drying oven and each thermal oxidizer at the facility shall be maintained on the premises at all times. [District NSR Rule] Federally Enforceable Through Title V Permit
34. The permittee shall maintain daily records of the thermal oxidizers operational temperature. [District Rule 2520 and 40 CFR Part 64] Federally Enforceable Through Title V Permit
35. 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
36. 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
37. 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
38. 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] 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. 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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.

# 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

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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-1646-36-2

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

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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 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] 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 Rule 2201] Federally Enforceable Through Title V Permit
6. Each thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District Rule 2201] 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 Rule 2201] Federally Enforceable Through Title V Permit
8. Each thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District Rule 2201] Federally Enforceable Through Title V Permit
9. 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
10. 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.

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. 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
17. The NO<sub>x</sub> emission concentration from the Maxon Ovenpak burner in the drying ovens shall not exceed 167 ppmv, dry, corrected to 3% oxygen (O<sub>2</sub>). [District Rule 2201] Federally Enforceable Through Title V Permit
18. The NO<sub>x</sub> emission concentration from the Maxon APX burner in the drying ovens shall not exceed 100 ppmv, dry, corrected to 3% oxygen (O<sub>2</sub>). [District Rule 2201] Federally Enforceable Through Title V Permit
19. The CO emissions rate from the drying ovens shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The PM<sub>10</sub> emissions rate from the drying ovens shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The SO<sub>x</sub> emissions rate from the drying ovens shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The VOC emissions rate from the drying ovens shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The NO<sub>x</sub> emission rate from the regenerative thermal oxidizers shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. The CO emissions rate from the regenerative thermal oxidizers shall not exceed 0.084 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.

25. The PM10 emissions rate from the regenerative thermal oxidizers shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
26. The SOx emissions rate from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. The VOC emissions rate from the regenerative thermal oxidizers 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 shall not exceed 18.7 million cubic feet in any one calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. 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 2201 & 4607] Federally Enforceable Through Title V Permit
32. 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 thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
33. 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
34. 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 and 4607] Federally Enforceable Through Title V Permit
35. 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
36. 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] Federally Enforceable Through Title V Permit
37. 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
38. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-38-2

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

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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. The NO<sub>x</sub> emission concentration from the drying ovens shall not exceed 0.036 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
19. The CO emissions rate from the drying ovens shall not exceed 0.276 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The PM<sub>10</sub> emissions rate from the drying ovens shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The SO<sub>x</sub> emissions rate from the drying ovens shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The VOC emissions rate from the drying ovens shall not exceed 0.0055 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
23. The NO<sub>x</sub> emission rate from the regenerative thermal oxidizers shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. The CO emissions rate from the regenerative thermal oxidizers shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
25. The PM<sub>10</sub> emissions rate from the regenerative thermal oxidizers shall not exceed 0.0076 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. The SOx emissions rate from the regenerative thermal oxidizers shall not exceed 0.00285 lbs/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
27. The VOC emissions rate from the regenerative thermal oxidizers 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 137,000 cubic feet in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
29. 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
30. 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
31. 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
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 2201 & 4607] Federally Enforceable Through Title V Permit
33. 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 thermal oxidizer. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
34. 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
35. 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 and 4607] Federally Enforceable Through Title V Permit
36. 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
37. 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] 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. 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

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-1646-39-1

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

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. 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
3. The drying oven and thermal oxidizer shall be fired exclusively on natural gas. [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 drying oven shall be installed, utilized and maintained. [District NSR Rule] Federally Enforceable Through Title V Permit
5. 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
6. 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
7. 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
8. 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
9. The thermal oxidizer shall be operated with a minimum VOC destruction efficiency of 98%. [District NSR Rule] Federally Enforceable Through Title V Permit
10. 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
11. The thermal oxidizer shall be equipped with an operational continuous temperature monitoring and recording instrument. [District NSR Rule] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. 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] Federally Enforceable Through Title V Permit
14. 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] Federally Enforceable Through Title V Permit
15. 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] Federally Enforceable Through Title V Permit
16. 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] Federally Enforceable Through Title V Permit
17. 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] Federally Enforceable Through Title V Permit
18. 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
19. VOC emissions from the printing inks and solvents shall not exceed 17.0 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
20. The NO<sub>x</sub> emission concentration from the drying oven shall not exceed 0.16 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
21. The CO emissions rate from the drying oven shall not exceed 0.3 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
22. The PM<sub>10</sub> emissions rate from the drying oven shall not exceed 0.01 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
23. The SO<sub>x</sub> emissions rate from the drying ovens shall not exceed 0.00285 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
24. The VOC emissions rate from the drying ovens shall not exceed 0.02 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
25. The NO<sub>x</sub> emission rate from the thermal oxidizer shall not exceed 0.18 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
26. The CO emissions rate from the thermal oxidizer shall not exceed 0.07 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
27. The PM<sub>10</sub> emissions rate from the thermal oxidizer shall not exceed 0.01 lb/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
28. The SO<sub>x</sub> emissions rate from the thermal oxidizer shall not exceed 0.00285 lbs/MMBtu. [District NSR Rule] Federally Enforceable Through Title V Permit
29. The VOC emissions rate from the thermal oxidizer shall not exceed 0.02 lb/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.

30. Total VOC emissions from the stationary source (excluding permit unit N-1646-34) shall not exceed 235.6 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
31. Total NOx emissions from the stationary source (excluding permit unit N-1646-34) shall not exceed 150 pounds in any one day. [District NSR Rule] Federally Enforceable Through Title V Permit
32. 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
33. 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
34. 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 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] Federally Enforceable Through Title V Permit
35. The permittee shall record on a daily basis, the type and amount of each coating, adhesive, fountain solution, wash primer, and solvent used. [District NSR Rule and District Rule 4607] Federally Enforceable Through Title V Permit
36. 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] Federally Enforceable Through Title V Permit
37. 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 the drying oven and each thermal oxidizer at the facility; (4) Operational temperature of each thermal oxidizer. [District Rule 1070] Federally Enforceable Through Title V Permit
38. 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
39. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4607] Federally Enforceable Through Title V Permit
40. 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] Federally Enforceable Through Title V Permit
41. 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
42. 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

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