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## FACILITY PERMIT TO OPERATE

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**VERTIS, INC  
7190 JURUPA AVE  
RIVERSIDE, CA 92504**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
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Deputy Executive Officer  
Engineering & Compliance

## FACILITY PERMIT TO OPERATE VERTIS, INC

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## FACILITY PERMIT TO OPERATE VERTIS, INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : PRINTING PRESSES</b>					
<b>System 2 : HEATSET</b>					
PRINTING PRESS, LITHOGRAPHIC, PRESS #704, GOSS, MODEL NO C-700, WEB FED, 4 COLOR, 66 INCH WIDTH A/N: 477411 Permit to Construct Issued: 07/29/08	D33	C35		<b>VOC:</b> (9) [RULE 1130,10-8-1999;RULE 1171,11-7-2003;RULE 1171,2-4-2008]	B59.1, B59.3, H23.5, K67.2, K67.4
AFTERBURNER, INTEGRATED OVEN/AFTERBURNER, MEGTEC, MODEL NO DUAL DRY TNV, NATURAL GAS, 5.977 MMBTU/HR A/N: 477411 Permit to Construct Issued: 07/29/08	C35	D33	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A72.4, C1.1, D182.2, E193.2

\* (1)(1A)(1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5)(5A)(5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
 (10) See Section J for NESHAP/MACT requirements  
 \*\* Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE  
VERTIS, INC**

**SECTION H: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE  
VERTIS, INC**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
D33	1	1	2
C35	1	1	2

## FACILITY PERMIT TO OPERATE VERTIS, INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 7020 LBS IN ANY ONE MONTH

To ensure compliance with the monthly Volatile Organic Compound(VOC) emission limit(s) of this condition, the operator shall comply with the following recordkeeping requirements:

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for 36 months.

The control efficiency of the air pollution control equipment shall not be applied to the calculation of the VOC emissions from the usage of fountain solution, blanket and roller washes and any other cleaning solvents.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

## FACILITY PERMIT TO OPERATE VERTIS, INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
  - (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

### DEVICE CONDITIONS

#### A. Emission Limits

- A72.4 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95.5 percent for VOC during the normal operation of the equipment it vents.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C35]

#### B. Material/Fuel Type Limits

- B59.1 The operator shall not use the following material(s) in this device :

Fountain solution with a VOC content greater than 8 percent by volume.

Clean-up solvents (roller and blanket wash) with a VOC composite partial pressure greater than 10 mmHg at 68 degrees F.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 10-20-2000]

[Devices subject to this condition : D33]

## **FACILITY PERMIT TO OPERATE VERTIS, INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

B59.3 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table 1 with an effective date of March 4, 2005 or earlier, except for ethylene glycol (CAS No. 107-21-1), and ethylene glycol monobutyl ether (CAS No. 111-76-2).

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D33]

### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the natural gas fuel usage to no more than 100000 cubic feet in any one day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage being supplied to the device.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : C35]

### **D. Monitoring/Testing Requirements**

## **FACILITY PERMIT TO OPERATE VERTIS, INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

D182.2 The operator shall test this equipment in accordance with the following specifications:

Source testing shall be conducted within 180 days after the initial start-up unless otherwise approved in writing by the Executive Officer.

A source test protocol shall be submitted to the District no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the district before the test commences.

The test protocol shall include the completed District forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying it meets the criteria in District Rule 304(k), and a description of the sampling and analytical procedures to be used.

The source tests shall consist of, but may not be limited to, testing at the inlet and the exhaust of the afterburner for: 1) VOC in PPMV and LBS/HR, 2) NO<sub>x</sub> (exhaust only) in PPMV and LBS/HR, 3) CO (exhaust only) in PPMV and LBS/HR, 4) VOC collection efficiency, 5) VOC destruction efficiency, 6) usage of all VOC-containing materials during the test, 7) oxygen content, 8) moisture content, 9) flow rate, 10) temperature, 11) natural gas usage.

The test shall be conducted during start-up of the equipment and during normal operation. Start-up shall be considered as the period of time after the burner is fired up and before the process air stream containing VOC from the printing operation is introduced into the afterburner. During start-up, the test shall only include items 2, 3, 7, 8, 9, 10 and 11 listed in this condition. During normal operation, the test shall include all of the items, 1 through 11, listed in this condition.

During the normal operation portion of the source test, the source test shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in this permit, the minimum operating temperature may be increased to reflect the operating temperature during the source test.

Written notice of the source tests shall be submitted to the District at least 14 days prior to the source testing date so that an observer from the District may be present.

Two complete copies of the source test reports shall be submitted to the District within 45 days after the source testing date. The source test report shall include, but not be limited to, all testing data required by this condition.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

## **FACILITY PERMIT TO OPERATE VERTIS, INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

In addition to the source test mentioned above, source testing for ROG emissions shall be conducted at least once every 5 years. The test shall be conducted to determine the ROG emissions using District method 25.1 measured over a 60 minute averaging time period. The test shall be conducted to determine the destruction efficiency of the air pollution control system and the total non-methane organic gases emissions to the atmosphere.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : C35]

### **E. Equipment Operation/Construction Requirements**

## FACILITY PERMIT TO OPERATE VERTIS, INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective actions to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C35]

## FACILITY PERMIT TO OPERATE VERTIS, INC

### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

#### H. Applicable Rules

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
VOC	District Rule	1130
VOC	District Rule	1171

[**RULE 109, 5-2-2003; RULE 1130, 10-8-1999; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008**]

[Devices subject to this condition : D33]

#### K. Record Keeping/Reporting

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

- A. Usage of inks, fountain solution including water, roller wash, blanket wash, and any other material containing volatile organic compounds.
- B. Density of inks, in pounds/gallon, and percentage by weight of oils in the ink.
- C. Ink absorption factor as specified by current SCAQMD guidelines.
- D. VOC emissions in pounds per day.

[**RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 10-20-2000**]

[Devices subject to this condition : D33]

## **FACILITY PERMIT TO OPERATE VERTIS, INC**

### **SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Monthly voc emissions from inks, solvents and coatings consumed in this equipment shall be calculated using the required control efficiency as specified by condition no. A72.4 for the APC unit in operation serving this equipment.

**[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]**

[Devices subject to this condition : D33]