

## FACILITY PERMIT TO OPERATE ANTHONY, 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	Emission <sup>*</sup> And Requirements	Conditions
<b>Process 4: OVEN</b>					
OVEN, BAKING, BINKS, MODEL NO. BWN-68-76, SERIAL NO. 030739108, NATURAL GAS, 6 FT W. X 8 FT L. X 7 FT H., 1 H.P. EXHAUST FAN, 0.35 MMBTU/HR A/N:	D11			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; VOC: (9) [RULE 1130.1, 12-13-1996; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	A63.1, B59.4, C6.2, D323.1
<b>Process 12: SPRAY COATING + AFTERBURNER</b>					
OVEN, GLASSTECH, MODEL NO. 60 INCH SEMI-CONT/OSC, ELECTRICALLY HEATED, 1880 KW, 5 FT W. X 62 FT 6 IN L. X 5 FT H., 75 H.P. EXHAUST FAN A/N: 499492 Permit to Construct Issued: 02/05/10	D39	C38		VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	
SPRAY COATING OPERATION, SPRAY ENCLOSURE, ANTHONY INC., MODEL NO. DS-3, 6 FT W. X 2 FT 6 IN L. X 5 FT H., WITH A SEPARATE SPRAY HOPPER A/N: 499492 Permit to Construct Issued: 02/05/10	D40	C38		PM: (9) [RULE 405, 2-7-1986]; VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B59.8
AFTERBURNER, HOT ROCK, ADWEST, MODEL NO. RETOX 12.ORTO95, MAXON KINEDIZER-LE BURNER, NATURAL GAS, 15 FT 11 IN W. X 24 FT L. X 10 FT 5 IN H., 1.8 MM BTU/HR GAS INJECTION, 3.4 MMBTU/HR A/N: 499420 Permit to Construct Issued: 02/05/10	C38	D39 D40		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.3, A72.1, D28.1, D28.2, E193.1
<b>Process 14: FLOWCOATER + AFTERBURNER</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (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 ANTHONY, 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	Emission <sup>§</sup> And Requirements	Conditions
<b>Process 14: FLOWCOATER + AFTERBURNER</b>					
COATER, FLOWCOATER, KOATING MACHINERY, 3 FT 6 IN W. X 6 IN L. X 1 FT H., WITH A 1.5 H.P. PUMP A/N:	D41	C43		<b>VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]</b>	B59.9
OVEN, THERMATROL, MODEL NO. EC-72SS-COOLER, ELECTRICALLY HEATED, 48.6 KW, 6 FT 2 IN W. X 11 FT L. X 7 FT H., A/N:	D42	C43		<b>VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004]</b>	
AFTERBURNER, HOT ROCK, ADWEST, MODEL NO. 2.0 RTO95, MAXON 1.5 KINEDIZER-LE BURNER, NATURAL GAS, 8 FT 6 IN W. X 11 FT 2 IN L. X 7 FT 4 IN H. , 0.099 MM BTU/HR GAS INJECTION, 0.578 MMBTU/HR A/N:	C43	D41 D42		<b>CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]</b>	A72.1, D28.3, E193.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor (2) (2A) (2B) Denotes RECLAIM emission rate  
 (3) Denotes RECLAIM concentration limit (4) Denotes BACT emission limit  
 (5) (5A) (5B) Denotes command and control emission limit (6) Denotes air toxic control rule limit  
 (7) Denotes NSR applicability limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (9) See App B for Emission Limits (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 ANTHONY, 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  
ANTHONY, 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>
D11	1	4	0
C38	1	12	0
D39	1	12	0
D40	1	12	0
D41	2	14	0
D42	2	14	0
C43	2	14	0

## FACILITY PERMIT TO OPERATE ANTHONY, 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 150 LBS IN ANY ONE DAY

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

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

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

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT

## FACILITY PERMIT TO OPERATE ANTHONY, INC.

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

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

VOC	Less than 20 LBS PER DAY
-----	--------------------------

In addition to the recordkeeping requirements in Rule 109, the operator shall keep adequate records for this equipment to verify the daily VOC emissions in pounds and VOC content of each material as applied (including water and exempt compounds).

This condition shall apply to all the VOC emissions from the screen-printing inks used at the facility.

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

[Devices subject to this condition : D11]

A63.3 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
PM10	Less than 1 LBS IN ANY ONE DAY

The PM10 daily emissions from the materials sprayed shall be calculated using either of the following methods.

A. 0.5 pounds of PM10 emissions per gallon of material sprayed in the coating enclosure.

B. PM10 emission factor (in lbs/gallon of material sprayed) derived from a source test conducted in accordance with District approved protocol and approved in writing by the District.

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

[Devices subject to this condition : C38]

A72.1 The operator shall maintain this equipment to achieve a minimum overall control efficiency of 95 percent for ROG during the normal operation of the equipment it vents.

## FACILITY PERMIT TO OPERATE ANTHONY, INC.

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

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

**[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 : C38, C43]

#### **B. Material/Fuel Type Limits**

B59.4 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 March 4, 2005 or earlier with the exception of ethylene glycol monobutyl ether (CAS # 111-76-2), ethyl benzene (CAS # 100-41-4), xylene (CAS # 1330-20-7) and toluene (CAS # 108-88-3).

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D11]

B59.8 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 June 5, 2009 or earlier with the exception of ammonia (CAS # 7664-41-7), isopropyl alcohol (CAS # 67-63-0) and hydrofluoric acid (CAS # 7664-39-3).

[RULE 1401, 6-5-2009]

[Devices subject to this condition : D40]

B59.9 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 June 5, 2009 or earlier, except xylene (CAS # 1330-20-7).

[RULE 1401, 6-5-2009]

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

[Devices subject to this condition : D41]

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

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the oven.

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

[Devices subject to this condition : D11]

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

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

The test shall be conducted no later than 180 days after the initial start-up of this equipment unless otherwise approved in writing by the District.

The test shall be conducted after source test protocol approval in writing by the District. 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 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 certify.

The test shall be conducted but may not be limited to, testing of the oxidizer for Volatile Organic Compound (VOC) in ppmv and lbs/hr, VOC destruction efficiency, VOC collection efficiency, usage (in gallons) of all VOC-containing materials during the test, NO<sub>x</sub> in ppmv (& lbs/hr) during start-up burner operation only, NO<sub>x</sub> in ppmv (& lbs/hr) during the normal operation, CO in ppmv and lbs/hr, PM<sub>10</sub> in lbs/hr inlet and outlet to RTO, testing for solid content in lbs/gal of coating as mixed, moisture content, flow rate, temperature.

The 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 at the time a permit to operate is issued to reflect the operating temperature during the source test.

The test shall be conducted after notifying the District the source testing date at least 14 days prior to the 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 unless otherwise approved in writing by the District. The source test report shall include, but may not be limited to, all testing data required by this condition.

The test shall be conducted by 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. The operator shall submit results of all preliminary tests that are conducted on

## FACILITY PERMIT TO OPERATE ANTHONY, INC.

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

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

this equipment within 45 days after testing date unless otherwise approved in writing by the District.

The test shall be conducted once sampling facilities comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

**[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 : C38]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted twice after the initial test pursuant to condition D28.1 at appropriate intervals before the first ceramic replacement in the RTO to determine VOC destruction efficiency and PM10 capture efficiency of the RTO. The appropriate testing intervals shall be determined by the District based on the operating parameters and test results reported pursuant to condition D28.1.

The test shall be conducted by an certified testing laboratory per previously approved source test protocol.

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

[Devices subject to this condition : C38]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

The test shall be conducted no later than 180 days after the initial start-up of this equipment unless otherwise approved in writing by the District.

The test shall be conducted after source test protocol approval in writing by the District. 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 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 certify.

The test shall be conducted but may not be limited to, testing of the oxidizer for Volatile Organic Compound (VOC) in ppmv and lbs/hr, VOC destruction efficiency, VOC collection efficiency, usage (in gallons) of all VOC-containing materials during the test, NO<sub>x</sub> in ppmv (& lbs/hr) during start-up burner operation only, NO<sub>x</sub> in ppmv (& lbs/hr) during the normal operation, CO in ppmv and lbs/hr, moisture content, flow rate, temperature.

The 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 at the time a permit to operate is issued to reflect the operating temperature during the source test.

The test shall be conducted after notifying the District the source testing date at least 14 days prior to the 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 unless otherwise approved in writing by the District. The source test report shall include, but may not be limited to, all testing data required by this condition.

The test shall be conducted by 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. The operator shall submit results of all preliminary tests that are conducted on this equipment within 45 days after testing date unless otherwise approved in

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

writing by the District.

The test shall be conducted once sampling facilities comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

**[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 : C43]

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

**[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

[Devices subject to this condition : D11]

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

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

The combustion chamber temperature shall be maintained at a minimum of 1,500 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 of 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 using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,500 degrees Fahrenheit occurs during 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 action to maintain the combustion chamber temperature at or above 1,500 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action 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 a 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.

## **FACILITY PERMIT TO OPERATE ANTHONY, INC.**

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

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

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]**

[Devices subject to this condition : C38, C43]