



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

September 29, 2011

Mr. Gerardo C. Rios  
Chief - Permits Office  
US EPA, Region IX  
75 Hawthorne Street, Air 3  
San Francisco, CA 94105

Reference: Transmittal of Proposed Title V Renewal Permit

Dear Mr. Rios:

Enclosed are the proposed Title V renewal permit, permit summary, statement of basis, and public notice for AOC, LLC (Facility ID 117140), located at 19991 Seaton Avenue, Perris, CA. With your receipt of the proposed Title V renewal permit, we will note that the EPA 45-day period begins on September 29, 2011.

If you have any questions on the proposed Title V renewal permit, please contact Mr. Hassan Namaki, Air Quality Engineer, at (909) 396-2699.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brian L. Yeh', is written over a horizontal line.

Brian L. Yeh  
Senior Manager  
Engineering and Compliance

BLY: AL:DG

Enclosures:

Proposed Title V Renewal Permit  
Permit Summary  
Statement of Basis  
Public Notice  
Title V Application

# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

## Title V Permit Summary

AQMD Facility ID:	117140	Company Name:	AOC, LLC
Equipment Location:	19991 SEATON AVENUE, PERRIS, CA 92570		SIC Code: 2821
Permit Revision:	Revision Date:	Facility Permit Section(s) Affected:	
Application #(s):	501553	Application Submittal Date(s):	08/14/2009
AQMD Contact Person:	HASSAN NAMAKI	Phone #:	(909) 396-2699
		E-Mail Address:	hnamaki@aqmd.gov
<p><b>Project Description:</b> This is an existing facility applying for a Title V permit renewal. At this facility, AOC produces unsaturated polyester resins from raw materials (Polyhydric alcohols and polybasic acids). The facility operates chemical reactors, raw material and product storage tanks, mixing tanks, VOC control equipment (afterburner and activated carbon vessels), emergency internal combustion engines, and drum filling and bulk loading facility.</p>			
<p><b>Permit Type:</b>    <input type="checkbox"/> Initial Title V Permit    <input type="checkbox"/> Significant Revision  <input checked="" type="checkbox"/> Permit Renewal</p>			
<p><b>Permit Features:</b>    <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements    <input type="checkbox"/> Permit Shield Applies  <input type="checkbox"/> Permit Contains Conditions Allowing Emission Trading    <input type="checkbox"/> Alternative Operating Scenario  <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements    <input type="checkbox"/> Other: _____  <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance</p>			
<p><b>Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2010</b></p>		<p><input type="checkbox"/> No TACs Reported  <input checked="" type="checkbox"/> TACs Reported:    <u>Emissions (lbs/yr):</u>  <div style="text-align: right; margin-top: 10px;">See page 2 for reported TACs</div></p>	
<p><b>Health Risk From Toxic Air Contaminants:</b></p> <p><input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): _____  <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401)  <input type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588)  <input checked="" type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements  <input type="checkbox"/> AQMD is Tracking Status of Facility under AB2588  <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed  <input type="checkbox"/> Final Facility Health Risk Approved (date) _____  Cancer Risk = _____  Acute Hazard Index = _____  Chronic Hazard Index = _____</p>			
<p><b>Criteria Pollutant Emissions</b></p>		<p><input checked="" type="checkbox"/> NOX    <u>1.352</u>    <input checked="" type="checkbox"/> PM    <u>0.156</u>  <input checked="" type="checkbox"/> CO    <u>0.726</u>    <input checked="" type="checkbox"/> SOx    <u>0.013</u>  <input checked="" type="checkbox"/> VOC    <u>3.666</u>    <input type="checkbox"/> Other: _____</p>	
<p><b>Annual Reported Emissions (tons/year) for Reporting Year: 2010</b></p>			
<p><b>Compliance History:</b>    <input type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (0)  Year 2009 &amp; 2010    <input type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (0)  <input checked="" type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (1)</p>			
<p><b>Comments:</b> The facility is currently operating in compliance with all applicable rules and requirements.</p>			

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
Title V Permit Summary**

**Toxic Air Contaminants Emissions (TAC)  
Annual Reported Emissions for Reporting Period 2010**

The Following TACs Were Reported	Emissions (lbs/yr)
1,3-Butadiene	0.087
Ammonia	721.388
Arsenic	< 0.001
Benzene	0.404
Cadmium	< 0.001
Chromium (VI)	< 0.001
Formaldehyde	1.363
Lead (inorganic)	0.003
Naphthalene	0.020
Nickel	0.001
PAHs, total, with components not reported	0.018

# South Coast Air Quality Management District

## Statement of Basis

### Proposed Renewal Title V Permit

<b>Facility Name:</b>	AOC, LLC
<b>Facility ID:</b>	117140
<b>SIC Code:</b>	2821
<b>Equipment Location:</b>	19991 Seaton Avenue Perris, CA 92570
<b>Application No:</b>	501553
<b>Application Submittal Date(s):</b>	08/14/2009
<b>AQMD Contact Person:</b>	Hassan Namaki
<b>Phone Number:</b>	(909) 396-2699
<b>E-Mail Address:</b>	hnamaki@aqmd.gov

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#### 1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, recordkeeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and request the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO<sub>2</sub>, SO<sub>2</sub>, CO and lead are in attainment with federal standards. The status for PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment.

A Title V permit is proposed to be issued to cover the operations of AOC, LLC, SIC Code 2821, located at 19991 Seaton Avenue, Perris, CA, 92570. This facility is subject to Title V requirements because it is a major source.

## **2. Facility Description**

This is an existing facility applying for a Title V permit renewal. At this facility, AOC produces unsaturated polyester resins from raw materials (Polyhydric alcohols and polybasic acids). The facility operates chemical reactors, raw material and product storage tanks, mixing tanks, VOC control equipment (afterburner and activated carbon vessels), emergency internal combustion engines, and drum filling and bulk loading facility.

## **3. Construction and Permitting History**

The AQMD records show the facility has been in constant operation since 1979. Numerous permits to construct and permits to operate have been issued to the facility. An initial Title V permit was issued to the facility on 3/17/2005 and subsequent revisions were issued on 10/19/2006, and 11/4/2010.

## **4. Regulatory Applicability Determinations**

Applicable legal requirements for which this facility is required to comply are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations (i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations. This facility is not subject to any NSPS or NESHAP requirements.

## **5. Monitoring and Operational Requirements**

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Sections D, F, and J and Appendix B of the proposed Title V permit). Discussion of any applicable operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997); CAPCOA/CARB/EPA Region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999); and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP; Combustion Sources (July 2001). This facility has air pollution control (APC) systems consisting of an afterburner and carbon systems to control VOC emissions from different sources at the site. Since the uncontrolled VOC emissions to the APC equipment exceed 10 tons/year, Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do apply to the permitted emission control equipment at the facility. Facility submitted a CAM plan under AQMD application number 526733. New permit conditions (conditions E193.3 and 193.4) are added to the permit in accordance to 40 CFR Part 64.

## 6. Permit Features

### Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility an explicit protection from requirements that do not apply to the facility. A permit shield is a provision in a permit that states that compliance with the conditions of the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

### Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

## 7. Summary of Emissions and Health Risks

### **Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for Reporting Period 2010**

Pollutant	Emissions (tons/year)
CO	0.726
NOX	1.352
ROG	3.666
SOX	0.013
PM	0.156

### **Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for Reporting Period 2010**

The Following TACs Were Reported	Emissions (lbs/yr)
1,3-Butadiene	0.087
Ammonia	721.388
Arsenic	< 0.001
Benzene	0.404
Cadmium	< 0.001
Chromium (VI)	< 0.001
Formaldehyde	1.363
Lead (inorganic)	0.003
Naphthalene	0.020
Nickel	0.001
PAHs, total, with components not reported	0.018

### **Health Risk from Toxic Air Contaminants**

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The AQMD has determined that this facility is exempt from AB 2588 requirements.

#### **8. Compliance History**

As noted, the facility has been in operation since 1979. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had no citizen complaints filed in past two years, however the facility was issued a notice of violation on 11/5/2010 for failure to submit electronic NOX emission report for the first quarter of 2009 in accordance to RECLAIM program requirements. The facility is currently operating in compliance with all applicable rules and regulations.

#### **9. Compliance Certification**

By virtue of the Title V permit application and issuance of this permit, the reporting frequency for compliance certification for the facility shall be annual.



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## NOTICE OF PROPOSED TITLE V RENEWAL PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit that was previously issued to the following facility:

### AOC, LLC

19991 Seaton Avenue  
Perris, CA 92570  
Facility ID# 117140

### Contact Person:

Juan Montalvo  
EHS Leader  
19991 Seaton Avenue  
Perris, CA 92570

This is an existing facility applying for renewal to their Title V permit. The facility produces unsaturated polyester resins from raw materials (Polyhydric alcohols and polybasic acids). The facility operates chemical reactors, raw material and product storage tanks, mixing tanks, VOC control equipment (afterburner and activated carbon vessels), emergency internal combustion engines, and drum filling and bulk loading facility.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed.

Accordingly, the above facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The proposed permit is available for public review at AQMD, 21865 Copley Drive,

Diamond Bar, CA 91765, and at the Perris Branch Library, 163 East San Jacinto Avenue, Perris, CA 92570. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to:

South Coast Air Quality Management District  
Chemical/Mechanical Operations Team  
21865 Copley Drive  
Diamond Bar, CA 91765  
Attention: Mr. Hassan Namaki

Comments must be received by Monday, November 7, 2011. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Hassan Namaki at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. A public hearing request form and the public hearing schedule may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. The request for a public hearing is due by Friday, October 21, 2011. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

## **FACILITY PERMIT TO OPERATE**

**AOC, LLC  
19991 SEATON AVE  
PERRIS, CA 92570**

### **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 \_\_\_\_\_  
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

## **FACILITY PERMIT TO OPERATE AOC, LLC**

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B	Rule Emission Limits	DRAFT	09/28/2011

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** AOC, LLC

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 19991 SEATON AVE  
PERRIS, CA 92570

**MAILING ADDRESS:** 19991 SEATON AVE  
PERRIS, CA 92570

**RESPONSIBLE OFFICIAL:** JAMES EARL

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (951) 943-9702

**CONTACT PERSON:** JUAN MONTALVO

**TITLE:** EHS LEADER

**TELEPHONE NUMBER:** (951) 943-9724

**INITIAL TITLE V PERMIT ISSUED:** March 17, 2005

**TITLE V PERMIT EXPIRATION DATE:** March 16, 2010

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx: YES</b> <b>SOx: NO</b> <b>CYCLE: 2</b> <b>ZONE: INLAND</b>
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## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 07/01/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
7/2008 6/2009	Inland	5096	1757	138
7/2009 6/2010	Inland	5096	797	275
7/2010 6/2011	Inland	5096	4087	413
7/2011 6/2012	Inland	5096	3949	550
7/2012 6/2013	Inland	5096	3949	550
7/2013 6/2014	Inland	5096	3949	550
7/2014 6/2015	Inland	5096	3949	550
7/2015 6/2016	Inland	5096	3949	550
7/2016 6/2017	Inland	5096	3949	550
7/2017 6/2018	Inland	5096	3949	550
7/2018 6/2019	Inland	5096	3949	550
7/2019 6/2020	Inland	5096	3949	550
7/2020 6/2021	Inland	5096	3949	550
7/2021 6/2022	Inland	5096	3949	550
7/2022 6/2023	Inland	5096	3949	550
7/2023 6/2024	Inland	5096	3949	550
7/2024 6/2025	Inland	5096	3949	550

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup>	Non-Tradable <sup>2</sup>
			Holding as of 07/01/2011 (pounds)	Non-Usable RTCs (pounds)
7/2025 6/2026	Inland	5096	3949	550

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.

**FACILITY PERMIT TO OPERATE  
 AOC, LLC**

**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
7/1994	6/1995	Inland	8680	0

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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: POLYESTER MANUFACTURING</b>					
<b>System 1: POLYESTER REACTION, MIXING STORAGE AND PACKAGING</b>					
REACTOR, R1, 3000 GALLON CAPACITY, HEIGHT: 6 FT 9 IN; DIAMETER: 8 FT WITH A/N: 451093  FURNACE, NATURAL GAS, 3.288 MMBTU/HR  CONDENSER, REFLUX COLUMN	D1           D2           C43	C38	NOX: PROCESS UNIT**	ROG: 0.5 LB(S)/1000 LBS RESIN (5) [RULE 1141, 11-17-2000]  CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 12-7-1995]; NOX: 57.69 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E1.1           B75.1, D323.1
REACTOR, R2, 4300 GALLON CAPACITY, HEIGHT: 8 FT 4 IN; DIAMETER: 9 FT WITH A/N: 451093  FURNACE, NATURAL GAS, 4 MMBTU/HR  CONDENSER, REFLUX COLUMN	D3           D4           C44	C38	NOX: PROCESS UNIT**	ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]  CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 12-7-1995]; NOX: 57.69 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	E1.1           B75.1, D323.1

\* (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 AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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: POLYESTER MANUFACTURING</b>					
TANK, HOLDING, TT1, THINNING, JACKETED, WITH CONDENSER, HEIGHT: 13 FT 4 IN; DIAMETER: 8 FT 8 IN A/N: 451093	D7	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
TANK, HOLDING, TT2, THINNING, JACKETED, WITH CONDENSER, HEIGHT: 14 FT 9 IN; DIAMETER: 9 FT 6 IN A/N: 451093	D8	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
MIXER, TANK MT7, POLYESTER RESIN, JACKETED, WITH CONDENSER, HEIGHT: 12 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 451093	D9	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT1, HEIGHT: 6 FT ; DIAMETER: 10 FT A/N: 451093	D10	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT2, HEIGHT: 8 FT ; DIAMETER: 10 FT A/N: 451093	D11	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT3, HEIGHT: 11 FT 2 IN; DIAMETER: 6 FT A/N: 451093	D12	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT4, HEIGHT: 11 FT ; DIAMETER: 10 FT A/N: 451093	D13	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1

- \* (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 AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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: POLYESTER MANUFACTURING</b>					
MIXER, TANK MT5, HEIGHT: 12 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 451093	D14	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT6, HEIGHT: 12 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 451093	D15	C38		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
PACKAGING MACHINE, DRUM FILLING STATION A/N: 451093	D17	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
PACKAGING MACHINE, DRUM FILLING STATION A/N: 451093	D18	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
TANK, PROMOTER, 282 GALS; DIAMETER: 4 FT; HEIGHT: 2 FT 11 IN A/N: 451093	D46				B59.1, E166.1
<b>System 2: SAMPLE MIXING</b>					
MIXER, SAMPLE, 200 GALS; DIAMETER: 4 FT; HEIGHT: 3 FT 6 IN A/N: 344456	D19			ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E166.1
<b>System 3: MATERIAL HANDLING</b>					
BULK MATERIAL LOADING STATION, TANK TRUCK, WITH VAPOR RETURN LINES A/N: 344458	D20	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E57.2
<b>System 4: RESIN/PLASTIC CURING OVEN</b>					
OVEN, PLASTIC CURING OVEN, STEAM-HEATED A/N: 343782	D56	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E71.1, E166.1

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
|--|--|

\*\* Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 2: STORAGE TANKS</b>					
<b>System 1: RESIN STORAGE</b>					
STORAGE TANK, #1, RESIN, 17000 GALS A/N: 344460	D22	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #2, RESIN, 17000 GALS A/N: 344463	D23	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #3, RESIN, 17000 GALS A/N: 344467	D24	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #4, RESIN, 15000 GALS A/N: 344470	D25	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #5, RESIN, 15000 GALS A/N: 344473	D26	C38		ROG: 5.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #6, RESIN, 10000 GALS A/N: 344479	D27	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #7, RESIN, 22000 GALS A/N: 344481	D28	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #8, RESIN, 10000 GALS A/N: 344476	D29	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #9, RESIN, 17000 GALS A/N: 344482	D30	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #10, RESIN, 17000 GALS A/N: 344483	D31	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
<b>System 2: MISCELLANEOUS STORAGE</b>					

- \* (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 AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 2: STORAGE TANKS</b>					
STORAGE TANK, #3, STYRENE, 17800 GALS; DIAMETER: 13 FT ; HEIGHT: 18 FT A/N: <i>451059</i>	D32	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #6, STYRENE, 17800 GALS; DIAMETER: 13 FT ; HEIGHT: 18 FT A/N: <i>451059</i>	D33	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, PHTHALIC ANHYDRIDE, 20000 GALS; DIAMETER: 13 FT ; HEIGHT: 20 FT A/N: 344485	D34	C35		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	C1.1, E1.1
CONDENSER A/N: 344485	C35	D34		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	C8.1, D12.2, D12.4, D12.5, E179.1, E202.1, K67.2
STORAGE TANK, JACKETED, MALEIC ANHYDRIDE, 17000 GALS; DIAMETER: 13 FT ; HEIGHT: 18 FT A/N: 344486	D36			ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E166.1
STORAGE TANK, PROPANE, 30000 GALS; DIAMETER: 9 FT ; HEIGHT: 66 FT A/N: 344487	D37				
STORAGE TANK, #10, RINSE, STYRENE, 5000 GALS; DIAMETER: 8 FT ; HEIGHT: 14 FT A/N: <i>459523</i>	D45	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 4-3-1992]	E57.1, E166.1
<b>Process 3: AIR POLLUTION CONTROL SYSTEM</b>					
TANK, SURGE, WASTE, VAPOR, 12000 GALS; DIAMETER: 10 FT ; LENGTH: 25 FT A/N: <i>385252</i>	C39			ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 4-3-1992]	

- \* (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 AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 3: AIR POLLUTION CONTROL SYSTEM</b>					
COLUMN, SECONDARY, HEIGHT: 20 FT 6 IN; DIAMETER: 3 FT WITH A/N: <b>385252</b>	C41			ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	
KNOCK OUT POT, HEIGHT: 6 FT 3 IN; DIAMETER: 3 FT	C42			ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	
AFTERBURNER, NATURAL GAS, 7.5 MMBTU/HR WITH A/N: <b>385252</b>	C38	D1 D3 D7 D8 D9 D10 D11 D12 D13 D14 D15 D17 D18 D20 D22 D23 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D45 D56	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 12-7-1995]; NOX: 64.1 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A72.1, B75.1, C8.2, D12.1, D12.3, D28.1, D323.1, E168.1, E193.3
BOILER, WASTE HEAT, 7.5 MMBTU/HR	D40				
<b>Process 4: INTERNAL COMBUSTION</b>					
<b>System 1: EMERGENCY EQUIPMENT</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY FIRE, DIESEL FUEL, DETROIT DIESEL CORPORATION, MODEL DDFP-L8FA, WITH AFTERCOOLER, TURBOCHARGER, 460 BHP A/N: 344489	D49		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]	B163.1, C1.2, C177.1, D12.6, D135.1, D323.1
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CATERPILLAR, MODEL 3412 DITTA, WITH AFTERCOOLER, TURBOCHARGER, 746 BHP A/N: 365779	D57		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]	B163.1, C1.2, C177.1, D12.6, D135.1, D323.1

\* (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 AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 5: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
<b>System 1: RULE 219 EXEMPT EQUIPMENT</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E50			ROG: (9) [RULE 1113, 6-3-2011; RULE 1171, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, FUGITIVE EMISSIONS, PUMPS	E51			ROG: (5) [RULE 1173, 2-6-2009; RULE 466, 10-7-1983]	H23.1
RULE 219 EXEMPT EQUIPMENT, FUGITIVE EMISSIONS, COMPRESSORS	E52			ROG: (5) [RULE 1173, 2-6-2009; RULE 466, 10-7-1983]	H23.1
RULE 219 EXEMPT EQUIPMENT, FUGITIVE EMISSIONS, FLANGES	E53			ROG: (5) [RULE 1173, 2-6-2009; RULE 466.1, 5-2-1980]	H23.1
RULE 219 EXEMPT EQUIPMENT, FUGITIVE EMISSIONS, PRV	E54			ROG: (5) [RULE 1173, 2-6-2009; RULE 466.1, 5-2-1980]	H23.1
RULE 219 EXEMPT EQUIPMENT, FUGITIVE EMISSIONS, FITTINGS	E55			ROG: (5) [RULE 1173, 2-6-2009]	H23.1

\* (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  
AOC, LLC**

**SECTION D: 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  
 AOC, LLC**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D1	1	1	1
D2	1	1	1
D3	1	1	1
D4	1	1	1
D7	2	1	1
D8	2	1	1
D9	2	1	1
D10	2	1	1
D11	2	1	1
D12	2	1	1
D13	2	1	1
D14	3	1	1
D15	3	1	1
D17	3	1	1
D18	3	1	1
D19	3	1	2
D20	3	1	3
D22	4	2	1
D23	4	2	1
D24	4	2	1
D25	4	2	1
D26	4	2	1
D27	4	2	1
D28	4	2	1
D29	4	2	1
D30	4	2	1
D31	4	2	1
D32	5	2	2
D33	5	2	2
D34	5	2	2
C35	5	2	2
D36	5	2	2
D37	5	2	2
C38	6	3	0
C39	5	3	0

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D40	6	3	0
C41	6	3	0
C42	6	3	0
C43	1	1	1
C44	1	1	1
D45	5	2	2
D46	3	1	1
D49	6	4	1
E50	7	5	1
E51	7	5	1
E52	7	5	1
E53	7	5	1
E54	7	5	1
E55	7	5	1
D56	3	1	4
D57	6	4	1

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

#### **FACILITY CONDITIONS**

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, 4-7-1989]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.5 percent by weight.

[RULE 431.2, 2-2-1979]

#### **SYSTEM CONDITIONS**

S1.1 The operator shall limit the production rate to no more than 7.26 million lb(s) in any one month.

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

[Systems subject to this condition : Process 1, System 1]

S20.1 For the purposes of determining compliance with District Rule 1141, VOC emissions shall be based on the combined emissions from all points of this system.

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1141, 4-3-1992]

[Systems subject to this condition : Process 1, System 1]

#### DEVICE CONDITIONS

##### A. Emission Limits

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

[RULE 1141, 11-17-2000]

[Devices subject to this condition : C38]

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

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

Materials in powder form.

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

[Devices subject to this condition : D46]

B75.1 The operator shall not use propane in this equipment except under the following circumstance(s):

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Natural gas curtailment

Compliance testing

Maintenance testing

**[RULE 1303(b)(2)-Offset, 5-10-1996]**

[Devices subject to this condition : D1, D3, C38]

B163.1 The operator shall not use diesel fuel containing the following:

Sulfur content in excess of 0.05 percent by weight

**[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]**

[Devices subject to this condition : D49, D57]

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

C1.1 The operator shall limit the loading rate to no more than 85 gallons per minute.

**[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 402, 5-7-1976]**

[Devices subject to this condition : D34]

C1.2 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 2012, 12-7-1995]**

[Devices subject to this condition : D49, D57]

- C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 1 gpm.

To comply with this condition, the operator shall monitor the flow rate as specified in condition number 12-2.

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

[Devices subject to this condition : C35]

- C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1450 Deg F.

To comply with this condition, the operator shall monitor the temperature as specified in condition number 12-3.

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

[Devices subject to this condition : C38]

- C177.1 The operator shall set and maintain the fuel injection timing of the engine at 4 degrees retarded relative to standard timing.

**[RULE 1110.2, 7-9-2010; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : D49, D57]

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

D12.1 The operator shall install and maintain a(n) gauge to accurately indicate the oxygen concentration in the afterburner.

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

[Devices subject to this condition : C38]

D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the cooling water of the vapor condenser.

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

[Devices subject to this condition : C35]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the afterburner.

The operator shall also install and maintain a device to continuously record the parameter being measured.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]**

[Devices subject to this condition : C38]

D12.4 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the cooling water at the inlet.

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

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C35]

- D12.5 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the cooling water at the outlet.

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

[Devices subject to this condition : C35]

- D12.6 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

[**RULE 1110.2, 7-9-2010; RULE 1304(e), 6-14-1996; RULE 2012, 12-7-1995**]

[Devices subject to this condition : D49, D57]

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

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 ROG emissions at the inlet and outlet simultaneously.

[**RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995**]

[Devices subject to this condition : C38]

- D135.1 The operator shall inspect, adjust, and certify the ignition or fuel injection timing of this engine a minimum of once every 3 years of operation. Inspections, adjustments, and certifications shall be performed by a qualified mechanic and performed in accordance with the engine manufacturer's specifications and procedures.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 2012, 12-7-1995]**

[Devices subject to this condition : D49, D57]

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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 a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-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.  
In addition, the operator shall 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 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

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

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- 4). All visible emission observation records by operator or a certified smoke reader.

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

[Devices subject to this condition : D1, D3, D9, D10, D11, D12, D13, D14, D15, C38, D49, D57]

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

- E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

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

[Devices subject to this condition : D1, D3, D7, D8, D9, D10, D11, D12, D13, D14, D15, D17, D18, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34]

- E57.1 The operator shall vent this equipment to C38 whenever this tank is being filled with styrene.

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

[Devices subject to this condition : D45]

- E57.2 The operator shall vent this equipment to a vapor recovery system or air pollution control system operating with a valid permit from the SCAQMD whenever the equipment is operating.

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

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D20]

- E71.1 The operator shall not operate this equipment unless the equipment is vented to vapor control system which has a valid operating permit from AQMD and it is in full use and operating.

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

[Devices subject to this condition : D56]

- E166.1 The operator shall keep all openings from this equipment closed when in use except during inspection, sampling or maintenance.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 402, 5-7-1976**]

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D19, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D36, D45, D46, D56]

- E168.1 The following condition number(s) applies if the total emissions of volatile organic compounds (VOC) from the organic resin reactors, thinning tanks and blending tanks, before being vented to the atmosphere are not reduced to 0.5 pound per 1000 pounds of completed resin produced.

Condition Number A 72- 1

[**RULE 1141, 4-3-1992; RULE 1141, 11-17-2000**]

[Devices subject to this condition : C38]

- E179.1 For the purpose of the following condition number(s), clean and maintain shall be defined as steamed out.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

Condition Number E 202- 1

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 402, 5-7-1976]**

[Devices subject to this condition : C35]

E193.3 The operator shall operate and maintain this equipment as follows:

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

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

The combustion chamber temperature shall be maintained at a minimum of 1,450 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 1,450 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 1,450 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

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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)-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 : C38]

E202.1 The operator shall clean and maintain this equipment according to the following specifications:

Immediately before and after each filling operation.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 402, 5-7-1976]**

[Devices subject to this condition : C35]

#### **H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

VOC                    | District Rule                    | 1173

[RULE 1173, 5-13-1994; RULE 1173, 2-6-2009]

[Devices subject to this condition : E51, E52, E53, E54, E55]

#### **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):

Daily record of inlet and outlet temperatures of cooling water

Daily record of flow rate of cooling water to the condenser

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

[Devices subject to this condition : C35]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions 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 and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation.[204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes. [204]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compound which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
  - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
- a. Brief description of the equipment tested.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
- 11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
- 12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. NOx Monitoring Conditions**

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

B. The Operator of a NOx large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

#### **II. NOx Source Testing and Tune-up conditions**

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### **I. Recordkeeping Requirements for all RECLAIM Sources**

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### **II. Reporting Requirements for all RECLAIM Sources**

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

#### **NO<sub>x</sub> Reporting Requirements**

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR  
RECLAIM SOURCES**

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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: POLYESTER MANUFACTURING</b>					
<b>System 1: POLYESTER REACTION, MIXING STORAGE AND PACKAGING</b>					S1.1, S20.1
REACTOR, R1, 3000 GALLON CAPACITY, HEIGHT: 6 FT 9 IN; DIAMETER: 8 FT WITH A/N: 501157 Permit to Construct Issued: 11/04/10	D1	C38		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E71.1, E71.2
FURNACE, NATURAL GAS, 3.288 MMBTU/HR	D2		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 12-7-1995]; NOX: 57.69 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B75.1, D323.1
CONDENSER, REFLUX COLUMN	C43				

- \* (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 AOC, LLC

### 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: POLYESTER MANUFACTURING</b>					
REACTOR, R2, 4300 GALLON CAPACITY, HEIGHT: 8 FT 4 IN, DIAMETER: 9 FT WITH A/N: 501157 Permit to Construct Issued: 11/04/10	D3	C38	NOX: PROCESS UNIT**	ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E71.1, E71.2
FURNACE, NATURAL GAS, 4 MMBTU/HR	D4			CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12.8 LBS/1000 GAL PROPANE (1) [RULE 2012, 12-7-1995]; NOX: 57.69 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B75.1, D323.1
CONDENSER, REFLUX COLUMN	C44				
TANK, HOLDING, TT1, THINNING, JACKETED, WITH CONDENSER, HEIGHT: 13 FT 4 IN; DIAMETER: 8 FT 8 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D7	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
TANK, HOLDING, TT2, THINNING, JACKETED, WITH CONDENSER, HEIGHT: 14 FT 9 IN; DIAMETER: 9 FT 6 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D8	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1

- \* (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 AOC, LLC

### 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: POLYESTER MANUFACTURING</b>					
MIXER, TANK MT7, POLYESTER RESIN, JACKETED, WITH CONDENSER, HEIGHT: 12 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D9	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT1, HEIGHT: 6 FT ; DIAMETER: 10 FT A/N: 501157 Permit to Construct Issued: 11/04/10	D10	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT2, HEIGHT: 8 FT ; DIAMETER: 10 FT A/N: 501157 Permit to Construct Issued: 11/04/10	D11	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT3, HEIGHT: 11 FT 2 IN; DIAMETER: 6 FT A/N: 501157 Permit to Construct Issued: 11/04/10	D12	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT4, HEIGHT: 11 FT ; DIAMETER: 10 FT A/N: 501157 Permit to Construct Issued: 11/04/10	D13	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT5, HEIGHT: 12 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D14	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
MIXER, TANK MT6, HEIGHT: 12 FT 6 IN; DIAMETER: 12 FT 6 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D15	C58		PM: (9) [RULE 405, 2-7-1986]; ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	D323.1, E1.1, E166.1
PACKAGING MACHINE, DRUM FILLING STATION A/N: 501157 Permit to Construct Issued: 11/04/10	D17	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1

- \* (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 AOC, LLC

### 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: POLYESTER MANUFACTURING</b>					
PACKAGING MACHINE, DRUM FILLING STATION A/N: 501157 Permit to Construct Issued: 11/04/10	D18	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1
TANK, PROMOTER, 282 GALS; DIAMETER: 4 FT ; HEIGHT: 2 FT 11 IN A/N: 501157 Permit to Construct Issued: 11/04/10	D46	C58			B59.1, E166.1
<b>System 2: SAMPLE MIXING</b>					
MIXER, SAMPLE, 200 GALS; DIAMETER: 4 FT ; HEIGHT: 3 FT 6 IN A/N: 501142 Permit to Construct Issued: 11/04/10	D19	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E166.1
<b>System 3: MATERIAL HANDLING</b>					
BULK MATERIAL LOADING STATION, TANK TRUCK, WITH VAPOR RETURN LINES A/N: 501143 Permit to Construct Issued: 11/04/10	D20	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E57.2
<b>Process 2: STORAGE TANKS</b>					
<b>System 1: RESIN STORAGE</b>					
STORAGE TANK, #1, RESIN, 17000 GALS A/N: 501144 Permit to Construct Issued: 11/04/10	D22	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #2, RESIN, 17000 GALS A/N: 501148 Permit to Construct Issued: 11/04/10	D23	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1

\* (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 AOC, LLC

### 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 2: STORAGE TANKS</b>					
STORAGE TANK, #3, RESIN, 17000 GALS A/N: 501146 Permit to Construct Issued: 11/04/10	D24	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #4, RESIN, 15000 GALS A/N: 501146 Permit to Construct Issued: 11/04/10	D25	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #5, RESIN, 15000 GALS A/N: 501147 Permit to Construct Issued: 11/04/10	D26	C58		ROG: 5.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #6, RESIN, 10000 GALS A/N: 501149 Permit to Construct Issued: 11/04/10	D27	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #7, RESIN, 22000 GALS A/N: 501150 Permit to Construct Issued: 11/04/10	D28	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #8, RESIN, 10000 GALS A/N: 501151 Permit to Construct Issued: 11/04/10	D29	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #9, RESIN, 17000 GALS A/N: 501153 Permit to Construct Issued: 11/04/10	D30	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #10, RESIN, 17000 GALS A/N: 501154 Permit to Construct Issued: 11/04/10	D31	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
<b>System 2: MISCELLANEOUS STORAGE</b>					

- \* (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 AOC, LLC

### 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 2: STORAGE TANKS</b>					
STORAGE TANK, #3, STYRENE, 17800 GALS; DIAMETER: 13 FT ; HEIGHT: 18 FT A/N: 501155 Permit to Construct Issued: 11/04/10	D32	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, #6, STYRENE, 17800 GALS; DIAMETER: 13 FT ; HEIGHT: 18 FT A/N: 501155 Permit to Construct Issued: 11/04/10	D33	C58		ROG: 0.5 LBS/1000 LBS PRODUCED RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, RINSE, STYRENE, 5000 GALS; DIAMETER: 8 FT ; HEIGHT: 14 FT A/N: 501156 Permit to Construct Issued: 11/04/10	D45	C58		ROG: 0.5 LB(S)/1000 LBS RESIN (5) [RULE 1141, 11-17-2000]	E1.1, E166.1
STORAGE TANK, NO. 1, DCPD A/N: 501160 Permit to Construct Issued: 11/04/10	D60	C62			
STORAGE TANK, NO. 2, DCPD A/N: 501160 Permit to Construct Issued: 11/04/10	D61	C62			
CARBON ADSORBER, TWO VESSELS CONSTRUCTED IN SERIES, EACH WITH 150 LBS OF ACTIVATED CARBON A/N: 501160 Permit to Construct Issued: 11/04/10	C62	D60 D61			C6.1, D90.2, E153.2
<b>Process 3: AIR POLLUTION CONTROL SYSTEM</b>					
TANK, SURGE, WASTE, VAPOR, 12000 GALS; DIAMETER: 10 FT ; LENGTH: 25 FT A/N: 501158 Permit to Construct Issued: 11/04/10	C39				

- \* (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 AOC, LLC

### 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 3: AIR POLLUTION CONTROL SYSTEM</b>					
COLUMN, SECONDARY, HEIGHT: 20 FT 6 IN; DIAMETER: 3 FT WITH A/N: 501158 Permit to Construct Issued: 11/04/10	C41				
KNOCK OUT POT, HEIGHT: 6 FT 3 IN; DIAMETER: 3 FT	C42				
AFTERBURNER, NATURAL GAS, 7.5 MMBTU/HR WITH A/N: 501158 Permit to Construct Issued: 11/04/10	C38	D1 D3	NOX: PROCESS UNIT**	NOX: 130 LBS/MMSCF NATURAL GAS (1)	A72.2, B75.1, C8.2, D12.1, D12.3, D28.1, D323.1, E193.1, E193.3
BOILER, WASTE HEAT, 7.5 MMBTU/HR	D40				
CARBON ADSORBER, THREE VESSELS CONSTRUCTED IN SERIES, EACH WITH 8000 LBS OF ACTIVATED CARBON WITH A/N: 501159 Permit to Construct Issued: 11/04/10	C58	D7 D8 D9 D10 D11 D12 D13 D14 D15 D17 D18 D19 D20 D22 D23 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D45 D46			C1.3, C6.1, D12.7, D28.2, D90.1, E153.1, E193.2, E193.4
BLOWER, 4800 SCFM					

\* (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  
AOC, LLC**

**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 AOC, LLC

### SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1	1	1	1
D2	1	1	1
D3	2	1	1
D4	2	1	1
D7	2	1	1
D8	2	1	1
D9	3	1	1
D10	3	1	1
D11	3	1	1
D12	3	1	1
D13	3	1	1
D14	3	1	1
D15	3	1	1
D17	3	1	1
D18	4	1	1
D19	4	1	2
D20	4	1	3
D22	4	2	1
D23	4	2	1
D24	5	2	1
D25	5	2	1
D26	5	2	1
D27	5	2	1
D28	5	2	1
D29	5	2	1
D30	5	2	1
D31	5	2	1
D32	6	2	2
D33	6	2	2
C38	7	3	0
C39	6	3	0
D40	7	3	0
C41	7	3	0
C42	7	3	0

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**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>
C43	1	1	1
C44	2	1	1
D45	6	2	2
D46	4	1	1
C58	7	3	0
D60	6	2	2
D61	6	2	2
C62	6	2	2

## FACILITY PERMIT TO OPERATE AOC, LLC

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

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

#### FACILITY CONDITIONS

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, 4-7-1989]

F14.1 The operator shall not use fuel oil containing sulfur compounds in excess of 0.5 percent by weight.

[RULE 431.2, 2-2-1979]

#### SYSTEM CONDITIONS

S1.1 The operator shall limit the production rate to no more than 7.26 million lb(s) in any one month.

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

[Systems subject to this condition : Process 1, System 1]

S20.1 For the purposes of determining compliance with District Rule 1141, VOC emissions shall be based on the combined emissions from all points of this system.

[RULE 1141, 4-3-1992]

[Systems subject to this condition : Process 1, System 1]

## FACILITY PERMIT TO OPERATE AOC, LLC

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

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

#### DEVICE CONDITIONS

##### A. Emission Limits

A72.2 The operator shall maintain this equipment to achieve a minimum destruction efficiency of 98.8 percent for ROG 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]

[Devices subject to this condition : C38]

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

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

Materials in powder form.

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

[Devices subject to this condition : D46]

B75.1 The operator shall not use propane in this equipment except under the following circumstance(s):

Natural gas curtailment

Compliance testing

Maintenance testing

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D1, D3, C38]

## FACILITY PERMIT TO OPERATE AOC, LLC

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

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

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

C1.3 The operator shall limit the exhaust flow to no more than 4800 cubic feet per minute.

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

[Devices subject to this condition : C58]

C6.1 The operator shall use this equipment in such a manner that the organic vapor concentration being monitored, as indicated below, does not exceed 8 ppm.

**[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 : C58, C62]

C8.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1450 Deg F.

To comply with this condition, the operator shall monitor the temperature as specified in condition number 12-3.

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

[Devices subject to this condition : C38]

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

D12.1 The operator shall install and maintain a(n) gauge to accurately indicate the oxygen concentration in the afterburner.

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

[Devices subject to this condition : C38]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the afterburner.

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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 also install and maintain a device to continuously record the parameter being measured.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]**

[Devices subject to this condition : C38]

D12.7 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the total vent air to this system.

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

[Devices subject to this condition : C58]

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

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 ROG emissions at the inlet and outlet simultaneously.

**[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]**

[Devices subject to this condition : C38]

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

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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 to determine the VOC emissions at the inlet and outlet.

The test shall be conducted within 90 days after achieving maximum production rate, but no later than 180 days after initial start-up.

The District shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to demonstrate compliance with VOC emission concentrations.

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

[Devices subject to this condition : C58]

D90.1 The operator shall periodically monitor the VOC concentrations at outlet of the second and third carbon vessels according to the following specifications:

The operator shall calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every day.

The monitoring device shall have a detection range to accurately measure 8 ppmv methane and have an accuracy of 98% or better of the device monitoring range, and it shall be calibrated once a week.

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

[Devices subject to this condition : C58]

D90.2 The operator shall periodically monitor the VOC concentrations at outlet of first and second carbon vessels according to the following specifications:

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **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 calibrate the instrument used to monitor the parameter in ppmv methane.

The operator shall monitor once every week.

The monitoring device shall have a detection range to accurately measure 8 ppmv methane and have an accuracy of 98% or better of the device monitoring range, and it shall be calibrated once a week.

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

[Devices subject to this condition : C62]

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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 a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-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.  
In addition, the operator shall 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 72 hours of conversion to fuel oil firing and on a weekly basis thereafter, until the equipment stops firing fuel oil.

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

## FACILITY PERMIT TO OPERATE AOC, LLC

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

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

- 4). All visible emission observation records by operator or a certified smoke reader.

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

[Devices subject to this condition : D1, D3, D9, D10, D11, D12, D13, D14, D15, C38]

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

- E1.1 The operator shall vent the emissions from this equipment to only one of the devices identified in the "connected to" column of this facility permit at any given time.

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

[Devices subject to this condition : D7, D8, D9, D10, D11, D12, D13, D14, D15, D17, D18, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D45]

- E57.2 The operator shall vent this equipment to a vapor recovery system or air pollution control system operating with a valid permit from the SCAQMD whenever the equipment is operating.

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

[Devices subject to this condition : D20]

- E71.1 The operator shall not operate this equipment unless the equipment is vented to vapor control system which has a valid operating permit from AQMD and it is in full use and operating.

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

[Devices subject to this condition : D1, D3]

- E71.2 The operator shall not allow vapor to escape from this equipment when the equipment is not operating. All the opening to the equipment, including vent pipes, shall be closed, except during the equipment maintenance activities.

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

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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 : D1, D3]

E153.1 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as when VOC monitoring indicates a concentration of 8.0 ppmv or greater at the outlet of the second or third carbon vessels (first carbon vessel is the upstream carbon vessel, second carbon vessel is the mid vessel, and third carbon vessel is last vessel in series).

To change over carbon, the operator shall replace spent carbon with fresh carbon in the first vessel within 72 hours after breakthrough was detected at the outlet of second or third carbon vessels. And the vapor flow shall be reconfigured such that the vessel with fresh carbon is the last (third vessel) in series.

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

[Devices subject to this condition : C58]

E153.2 The operator shall change over the carbon in the adsorber whenever breakthrough occurs.

For the purpose of this condition, breakthrough shall be defined as when VOC monitoring indicates a concentration of 8.0 ppmv or greater at the outlet of first carbon vessel (first carbon vessel is the upstream carbon vessel).

To change over carbon, the operator shall replace spent carbon with fresh carbon in the first vessel within 72 hours after breakthrough was detected at the outlet of first carbon vessel. And the vapor flow shall be reconfigured such that the vessel with fresh carbon is the last (second vessel) in series.

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

[Devices subject to this condition : C62]

E166.1 The operator shall keep all openings from this equipment closed when in use except during inspection, sampling or maintenance.

## FACILITY PERMIT TO OPERATE AOC, LLC

### 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 402, 5-7-1976]**

[Devices subject to this condition : D9, D10, D11, D12, D13, D14, D15, D19, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D45, D46]

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

The afterburner shall be operating in compliance with the permit requirements when any of the devices that are connected to it is operating.

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

At minimum, the records shall include the date, the duration, and the reason for the equipment downtime.

**[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]**

[Devices subject to this condition : C38]

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

The equipment shall be kept connected to the devices it vents and operating at all times except as noted below.

During exhaust blower downtime, the devices connected to this equipment shall be passively vented to the equipment until the blower is replaced or repaired.

During maintenance activities for tank or vent pipes, tanks or vent pipes being serviced shall be isolated while the remaining tanks are being vented to the carbon system. During such maintenance activities there shall be no material transfer into tank(s) being serviced.

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

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **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 : C58]

E193.3 The operator shall operate and maintain this equipment as follows:

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **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 operate and maintain this equipment according to the following requirements:

The combustion chamber temperature shall be maintained at a minimum of 1,450 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 1,450 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 1,450 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

## **FACILITY PERMIT TO OPERATE AOC, LLC**

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

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

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)-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 : C38]

E193.4 The operator shall upon completion of construction, operate and maintain this equipment as follows:

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **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 operate and maintain this equipment according to the following requirements:

The operator shall utilize and maintain a monitoring equipment to measure VOC in ppmv as methane at the carbon beds outlets pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a monitoring equipment shall be inspected, maintained, and calibrated for drift using two calibration gases at zero and approximately 50% of the span range in ppmv as methane on a weekly basis in accordance with the manufacturer's specifications consistent with 40 CFR 60 Appendix B Performance S

The operator shall shut down this equipment when the concentration of VOC at the outlet of second carbon bed exceeds 10 ppmv as methane.

For the purpose of this condition, a deviation shall be defined as when the average concentration of VOC (three readings in 3 hours of operation) at the outlet of the second carbon bed exceeds 10 ppmv as methane during the normal operation of the equipment.

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 operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in 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.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **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  
3004(c)-Permit Shield, 12-12-1997; 40CFR Part 64, 10-22-1997]**

**[Devices subject to this condition : C58]**

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**SECTION J: AIR TOXICS**

**NOT APPLICABLE**

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration**

#### **GENERAL PROVISIONS**

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### **Permit Renewal and Expiration**

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### **Duty to Provide Information**

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### **Payment of Fees**

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration**

#### **Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### **COMPLIANCE PROVISIONS**

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration**

9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:

(A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:

(1) An emergency occurred and the operator can identify the cause(s) of the emergency;

(2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;

(3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,

(4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and

(B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]

18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

### **REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration**

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
  - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **SECTION K: TITLE V Administration**

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

### **PERIODIC MONITORING**

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

*This facility is subject to the following rules and regulations*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1110.2	7-9-2010	Non federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1141	11-17-2000	Federally enforceable
RULE 1141	4-3-1992	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 1173	2-6-2009	Non federally enforceable
RULE 1173	5-13-1994	Federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(a)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1304	6-14-1996	Federally enforceable
RULE 1304(a)-Modeling and Offset Exemption	6-14-1996	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3004(c)-Permit Shield	12-12-1997	Federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable

## FACILITY PERMIT TO OPERATE AOC, LLC

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 463	5-6-2005	Federally enforceable
RULE 466	10-7-1983	Federally enforceable
RULE 466.1	3-16-1984	Non federally enforceable
RULE 466.1	5-2-1980	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE  
AOC, LLC**

**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219**

1. WELDER, GASOLINE
2. WATER HEATER, NATURAL GAS FIRED

## **FACILITY PERMIT TO OPERATE AOC, LLC**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

#### TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,  
Less Water and Less Exempt Compounds**

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/06	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	
Decorative Coatings		350			100
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers	340	100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

## FACILITY PERMIT TO OPERATE AOC. LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350		
Rust Preventative Coatings	400	100		
Stone Consolidant		450		
Sacrificial Anti-Graffiti Coatings		100	50	
Shellac				
Clear		730		
Pigmented		550		
Specialty Primers	350	100		
Stains		100		

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit <sup>4</sup>	Current Limit <sup>4</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

SOLVENT CLEANING ACTIVITY (cont.)	CURRENT LIMITS*	EFFECTIVE 1/1/2010
SOLVENT CLEANING ACTIVITY (cont.)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

## FACILITY PERMIT TO OPERATE AOC, LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE AOC. LLC

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0



South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To: P.O. Box 4944 Diamond Bar, CA 91765

Tel: (909) 396-3385 www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit: AOC, LLC
2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 117140
3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address: For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site
19991 SEATON AVENUE
Street Address
PERRIS CA, 92570 -
City State Zip Code
County: Los Angeles Orange San Bernardino Riverside
Contact Name: JUAN MONTALVO
Contact Title: EHS LEADER Phone: (951) 943-9724
Fax: (951) 657-8370 E-Mail: JMontalvo@aoc-resins.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
[X] Check here if same as equipment location address
Street Address
City State Zip Code
Contact Name:
Contact Title: Phone:
Fax: E-Mail:

Section D: Application Type The facility is in RECLAIM Title V RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):
New Construction (Permit to Construct)
Equipment Operating Without A Permit or Expired Permit\*
Administrative Change
Equipment On-Site But Not Constructed or Operational
Title V Application (Initial, Revisions, Modifications, etc.)
Compliance Plan
Facility Permit Amendment
Registration/Certification
Streamlined Standard Permit
Permitted Equipment Altered/ Modified Without Permit Approval\*
Proposed Alteration/Modification to Permitted Equipment
Change of Condition For Permit To Operate
Change of Condition For Permit To Construct
Change of Location—Moving to New Site
Existing Or Previous Permit/Application Number:
7. Estimated Start Date of Operation/Construction (MM/DD/YYYY):
8. Description of Equipment:
REACTOR, R1, 3000 GALLON CAPACITY (D1)
A/N: 451093
TITLE V RENEWAL APPLICATION
9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction?
10. For identical equipment, how many additional applications are being submitted with this application?
11. Are you a Small Business as per AQMD's Rule 102 definition?
12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment?

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location?
POLYESTER RESINS MANUFACTURING
14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 325211
15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator?
16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location?

Section F: Authorization/Signature I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: [Signature]
18. Title: PLANT MANAGER
19. Print Name: TIM R. MAXMAN
20. Date: 8/13/2009
Check List:
[X] Form(s) signed and dated by authorized official
[X] Supplemental Equipment Form (400-E-XX or 400-E-GEN)
[X] CEQA Form (400-CEQA) attached
[X] Payment for permit processing fee attached
Your application will be rejected if any of the above items are missing.

Table with columns: AQMD USE ONLY, APPLICATION/TRACKING #, TYPE, EQUIPMENT CATEGORY CODE, FEE SCHEDULE, VALIDATION, ENG. A R, ASSIGNMENT, CHECK/MONEY ORDER, AMOUNT, TRACKING #

9 AUG 14 P2:46

S.C. & O.M.D.  
REVENUE RECEIVING

09 AUG 18 A8:54

S.C. & O.M.D.  
ENGINEERING