

# Bay Area Air Quality Management District

939 Ellis Street  
San Francisco, CA 94109  
(415) 771-6000

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**Final**

## MAJOR FACILITY REVIEW PERMIT

**Issued To:**  
**Isola USA Corp**  
**Facility #A3024**

**Facility Address:**  
401 Whitney Place  
Fremont, CA 94539

**Mailing Address:**  
401 Whitney Place  
Fremont, CA 94539

**Responsible Official**

John Huckaba,  
Plant Manager  
510-438-3724

**Facility Contact**

John Huckaba,  
Plant Manager  
510-438-3724

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**Type of Facility:** Copper Laminate Manufacturing  
**Primary SIC:** 3679  
**Product:** Electronic Grade Laminates

**BAAQMD Permit Division Contact:**  
Eric Chan

**ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT**

Signed by Jack P. Broadbent \_\_\_\_\_  
Jack P. Broadbent, Air Pollution Control Officer/Executive Officer

March 15, 2005 \_\_\_\_\_  
Date

## TABLE OF CONTENTS

I. STANDARD CONDITIONS .....	3
II. EQUIPMENT .....	7
III. GENERALLY APPLICABLE REQUIREMENTS.....	9
IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS .....	11
V. PERMIT CONDITIONS .....	35
VI. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS.....	43
VII. TEST METHODS.....	55
VIII. SCHEDULE OF COMPLIANCE.....	35
IX. PERMIT SHIELD.....	57
X. GLOSSARY .....	58

## **I. STANDARD CONDITIONS**

### **A. Administrative Requirements**

The permit holder shall comply with all applicable requirements in the following regulations:

- BAAQMD Regulation 1 - General Provisions and Definitions  
(as amended by the District Board on 5/2/01);
- SIP Regulation 1 - General Provisions and Definitions  
(as approved by EPA through 6/28/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements  
(as amended by the District Board on 12/21/04);
- SIP Regulation 2, Rule 1 - Permits, General Requirements  
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review  
(as amended by the District Board on 12/21/04);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration  
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking  
(as amended by the District Board on 12/21/04);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking  
(as approved by EPA through 1/26/99); and
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review  
(as amended by the District Board on 4/16/03).

### **B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review**

1. This Major Facility Review Permit was issued on March 15, 2005 and expires on February 28, 2010. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than August 31, 2009, and no earlier than February 28, 2009. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after February 28, 2010.** If the permit renewal has not been issued by February 28, 2010, but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance

## **I. Standard Conditions**

- with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
  5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
  6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
  7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
  8. Any records required to be maintained pursuant to this permit that the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
  9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
  10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
  11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

### **C. Requirement to Pay Fees**

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

### **D. Inspection and Entry**

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment that is subject to this permit to the APCO and/or to his or her designee.

## **I. Standard Conditions**

(Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

### **E. Records**

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

### **F. Monitoring Reports**

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be March 15, 2005 to August 31, 2005. The report shall be submitted by September 30, 2005. Subsequent reports shall be for the following periods: September 1st through February 28<sup>th</sup> or 29<sup>th</sup> and March 1st through August 31st, and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement  
Bay Area Air Quality Management District  
939 Ellis Street  
San Francisco, CA 94109  
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

### **G. Compliance Certification**

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be March 1st to February 28<sup>th</sup> or 29<sup>th</sup>. The certification shall be submitted by March 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

Director of the Air Division  
USEPA, Region IX

## **I. Standard Conditions**

75 Hawthorne Street  
San Francisco, CA 94105  
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

## **H. Emergency Provisions**

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

## **I. Severability**

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

## **J. Miscellaneous Conditions**

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

## II. EQUIPMENT

**Table II A - Permitted Sources**

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

S-#	Description	Make or Type	Model	Capacity
101	Resin Solution Storage Tank	Custom		6000 gallons
102	Solvent Tank – Solvent/Resin	Custom		3000 gallons
103	Tank in Concrete Vault – Solvent/Resin	Custom		3000 gallons
106	Raw Resin Storage Tank	Custom		5000 gallons
201	Master Batch Kettle	Custom		500 gallons
202	Resin Mix Kettle	Custom		1000 gallons
203	Resin Mix Kettle	Custom		1800 gallons
302	Resin Mix Tank	Custom		130 gallons
303	Resin Mix Tank	Custom		750 gallons
304	Resin Mix Tank	Custom		750 gallons
305	Resin Mix Tank	Custom		750 gallons
306	Batch Mix Tank	Custom		225 gallons
401	Resin Sump Tank, Sealed Process	Custom		148 gallons
402	Treater Machine #1	Custom		80 gallons
404	Treater Machine #2	Custom		90 gallons
408	Mixing Tank	Custom		60 gallons

## II. Equipment

**Table II B – Abatement Devices**

<b>A-#</b>	<b>Description</b>	<b>Source(s) Controlled</b>	<b>Applicable Requirement</b>	<b>Operating Parameters</b>	<b>Limit or Efficiency</b>
500	Thermal Oxidizer for Treaters - 10.7 MMBTU/hr, natural gas only	402, 404	BAAQMD Regulation 8-12-301.2	operating temperature 1350 degrees F	less than 1.0 lb VOC emissions per gallon of coating applied
			NSPS Subpart VVV, 60.742(b)(1)	operating temperature (60.744(e))	Reduce VOC emission by at least 90% (60.743(a)(1))
			BAAQMD Condition 3274, Part 7	.	92.5% enclosures VOC capture efficiency
		306, 408	BAAQMD Condition 3274, Part 6	operating temperature 1350 degrees F	98.5% abatement device destruction efficiency
			BAAQMD Condition 4750, Parts 6 and 12	None	
600	Thermal Oxidizer for mixing tanks - 1.253 MMBTU/hr, natural gas only	201, 202, 203, 302, 303, 304, 305, 306, 408	BAAQMD Regulation 8-35-301.6 and 8-35-303.3	operating temperature (60.744(e)) 750 degrees F	90% abatement efficiency
			NSPS Subpart VVV, 60.742(b)(2)	operating temperature (60.744(e)) 750 degrees F	95% control device efficiency



### III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit. This section also contains provisions that may apply to temporary sources.

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is on EPA Region 9’s website. The address is <http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>

**NOTE:**

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of a rule until US EPA has reviewed and approved the District’s revision of the regulation.

**Table III  
 Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 1	General Provisions and Definitions (5/2/01)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (8/1/01)	N
BAAQMD 2-1-429	Federal Emissions Statement (6/7/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y

### III. Generally Applicable Requirements

**Table III**  
**Generally Applicable Requirements**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>
BAAQMD Regulation 5	Open Burning (3/6/02)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (11/21/01)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (2/18/98)	Y
BAAQMD Regulation 8, Rule 4	Organic Compounds - General Solvent and Surface Coating Operations (10/16/02)	N
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 5	Storage of Organic Liquids (11/27/02)	Y
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (10/16/02)	N
SIP Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations (12/9/94)	Y
BAAQMD Regulation 8, Rule 40	Organic Compounds - Aeration of Contaminated Soil and Removal of Underground Storage Tanks (12/15/99)	Y
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/94)	Y
BAAQMD Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (12/20/95)	N
SIP Regulation 8, Rule 49	Organic Compounds - Aerosol Paint Products (3/22/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (7/17/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 44300 et seq.	Air Toxics “Hot Spots” Information and Assessment Act of 1987	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	Y

#### IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP rules and regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parentheses in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board of Directors
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is on EPA Region 9's website. The address is:

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>. All other text may be found in the regulations themselves.

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-101, S-102, S-103- STORAGE TANKS (UNABATED)**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Organic Compounds – Storage of Organic Liquids (11/27/02)</b>		
8-5-301	Storage Tank Control Requirements	Y	
8-5-301.1	Storage Tank Control for Tanks ≥264 gallons to ≤9,906 gallons	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.2	Tank Degassing & Federal or State Ambient Air Quality Standard	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification (of Inspection)	Y	
8-5-501	Records (record of liquids stored and true vapor pressure ranges)	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	

## IV. Source-specific Applicable Requirements

**Table IV - A**  
**Source-specific Applicable Requirements**  
**S-101, S-102, S-103- STORAGE TANKS (UNABATED)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and covers required)	Y	
<b>BAAQMD Condition 7503</b>			
Part 1	Material type limit (basis: Cumulative Increase)	Y	
Part 2	Throughput limits (basis: Cumulative Increase)	Y	
Part 3	Recordkeeping requirements (basis: Reg. 2-2-302)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - B**  
**Source-specific Applicable Requirements**  
**S-106- STORAGE TANK (UNABATED)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 5</b>	<b>Organic Compounds – Storage of Organic Liquids (11/27/02)</b>		
8-5-301	Storage Tank Control Requirements	Y	
8-5-301.1	Storage Tank Control for Tanks $\geq 264$ gallons to $\leq 9,906$ gallons	Y	
8-5-302	Requirements for Submerged Fill Pipes	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.2	Tank Degassing & Federal or State Ambient Air Quality Standard	Y	
8-5-303	Requirements for Pressure Vacuum Valves	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification (of Inspection)	Y	
8-5-501	Records (record of liquids stored and true vapor pressure ranges)	Y	
8-5-605	Pressure-Vacuum Valve Gas Tight Determination	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and covers required)	Y	
<b>BAAQMD Condition 15638</b>			
Part 1	Maximum true vapor pressure limit (basis: Cumulative Increase)	Y	
Part 2	Throughput limit (basis: Cumulative Increase)	Y	
Part 3	Recordkeeping requirements (basis: Reg. 2-2-302)	Y	

## IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-201 - MASTER MIX KETTLE (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	no open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	no open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.1	Lids maintained in good condition	Y	
8-35-301.2	Lids may have slit, slit shall be covered after mixer insertion	Y	

## IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-201 - MASTER MIX KETTLE (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
8-35-301.3	No other holes, tears, or openings	Y	
8-35-301.4	Difference between the diameter of the mixer shaft and the diameter of the opening in the lid for the mixer shaft, shall be no greater than 5.1 cm	Y	
8-35-301.5	Polyethylene or other non-permanent covers may be used provided that the cover material is nonporous	Y	
8-35-301.6	8-35-301.1 to 8.35-301.4 does not apply if vented to Emission Control System	Y	
8-35-303	Equipment Cleaning (one of following)		
8-35-303.1	Low VOC or low volatility compound cleaning material OR	Y	
8-35-303.2	Operate a closed cleaning system OR	Y	
8-35-303.3	Emission Control System OR		
8-35-303.4	Higher VOC cleaner allowed if less than 60 gal/month and other requirements	Y	
8-35-305	Stationary Vats Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - C**  
**Source-specific Applicable Requirements**  
**S-201 - MASTER MIX KETTLE (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device Temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	Record retention requirement	Y	

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S-202, S-203- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		



## IV. Source-specific Applicable Requirements

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S-202, S-203- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
8-12-305.1	No open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	No open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.6	80% destruction required, 90% if by incineration	Y	
8-35-303	Equipment Cleaning	Y	
8-35-303.3	80% destruction required, 90% if by incineration	Y	
8-35-305	Stationary Vat Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		

#### IV. Source-specific Applicable Requirements

**Table IV - D**  
**Source-specific Applicable Requirements**  
**S-202, S-203- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	record retention requirement	Y	
<b>BAAQMD Condition 10647</b>			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 2	Recordkeeping requirement (basis: Cumulative Increase)	Y	

**Table IV – E**  
**Source-specific Applicable Requirements**  
**S-302, S-303, S-304, S-305- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	

## IV. Source-specific Applicable Requirements

**Table IV – E**  
**Source-specific Applicable Requirements**  
**S-302, S-303, S-304, S-305- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	No open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	No open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe Cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.6	80% destruction required, 90% if by incineration	Y	
8-35-303	Equipment Cleaning	Y	
8-35-303.3	80% destruction required, 90% if by incineration	Y	
8-35-305	Stationary Vat Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	

## IV. Source-specific Applicable Requirements

**Table IV – E**  
**Source-specific Applicable Requirements**  
**S-302, S-303, S-304, S-305- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 3184</b>			
Part 1	Throughput limit (basis: Cumulative Increase)	Y	
Part 2	Recordkeeping requirement (basis: Cumulative Increase)	Y	

## IV. Source-specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-306- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	No open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	No open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.6	80% destruction required, 90% if by incineration	Y	
8-35-303	Equipment Cleaning	Y	

## IV. Source-specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-306- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
8-35-303.3	80% destruction required, 90% if by incineration	Y	
8-35-305	Stationary Vat Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 4750</b>			
Part 7	Throughput limit (basis: Cumulative Increase)	Y	
Part 8	Throughput limit (basis: Cumulative Increase)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - F**  
**Source-specific Applicable Requirements**  
**S-306- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 9a	Solvent type limit (basis: Cumulative Increase)	Y	
Part 9b	Allowance for other solvents with process emission limit and Toxic Risk Trigger limit (basis: Cumulative Increase, Toxics Trigger)	Y	
Part 10	Recordkeeping requirement (basis: Cumulative Increase)	Y	
Part 11	Closed container requirement (basis: 8-12-305)	Y	
Part 12	Abatement by A-600 (basis: BACT)	Y	

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-401- RESIN SUMP TANKS, SEALED PROCESS (UNABATED)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	no open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	no open containers for organic cleaning compounds	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - G**  
**Source-specific Applicable Requirements**  
**S-401- RESIN SUMP TANKS, SEALED PROCESS (UNABATED)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.1	Lids maintained in good condition	Y	
8-35-301.2	Lids may have slit, slit shall be covered after mixer insertion	Y	
8-35-301.3	No other holes, tears, or openings	Y	
8-35-301.4	Difference between the diameter of the mixer shaft and the diameter of the opening in the lid for the mixer shaft, shall be no greater than 5.1 cm	Y	
8-35-301.5	Polyethylene or other non-permanent covers may be used provided that the cover material is nonporous	Y	
8-35-303	Equipment Cleaning (one of following three)		
8-35-303.1	Low VOC or low volatility compound cleaning material OR	Y	
8-35-303.2	Operate a closed cleaning system OR	Y	
8-35-303.4	Higher VOC cleaner allowed if less than 60 gal/month and other requirements	Y	
8-35-305	Stationary Vats Control	Y	
8-35-501	Cleaning Solvent Records	Y	



## IV. Source-specific Applicable Requirements

**Table IV - H**  
**Source-specific Applicable Requirements**  
**S-402, S-404- TREATERS (ABATED BY A-500 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-301.2	Approved Emission Control System	Y	
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	No open containers for cleaning materials impregnated with organic Compounds	Y	
8-12-305.2	No open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	Y	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	Y	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	Y	
8-16-501.5	Record retention	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(b)(1)	Reduce VOC emissions from coating operation by at least 90%	Y	

## IV. Source-specific Applicable Requirements

**Table IV - H**  
**Source-specific Applicable Requirements**  
**S-402, S-404- TREATERS (ABATED BY A-500 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
60.742(b)(2)	total enclosure control vented to control device with 95% efficiency	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(g)	Monitoring plan and continuous monitoring device	Y	
60.744(h)	Monitoring system for total enclosure	Y	
60.744(i)	Recordkeeping of time periods when emission control device is malfunctioning or not in use	Y	
60.744(j)	Recordkeeping of time periods when monitoring device is malfunctioning or not in use	Y	
60.744(k)	Recordkeeping retained for at least 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(6)	Reporting requirement for periods of varying average total enclosure or vapor capture system monitor readings	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Postmark requirement	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 3274</b>			
Part 1	Coating throughput limit (basis: Cumulative Increase)	Y	
Part 2	Solvent throughput limit (basis: Cumulative Increase)	Y	
Part 3	Cleanup solvent throughput limit (basis: Cumulative Increase)	Y	
Part 4	Recordkeeping (basis: Cumulative Increase)	Y	
Part 5	Abatement device efficiency requirement (basis: BACT)	Y	

#### IV. Source-specific Applicable Requirements

**Table IV - H**  
**Source-specific Applicable Requirements**  
**S-402, S-404- TREATERS (ABATED BY A-500 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
Part 6	Minimum temperature limit (basis: Cumulative Increase)	Y	
Part 7	Thermocouple requirement (basis: Regulation 1-521)	Y	
Part 8	Enclosure VOC capture efficiency (basis: BACT)	Y	
Part 9	Compliance with 40 CFR 60 VVV (basis: 40 CFR 60 VVV)	Y	
Part 10	Source Test (basis: Regulation 2-1-403)	Y	
<b>BAAQMD Condition 21870</b>			
Part 1	Install pressure monitoring devices (basis: Regulation 2-6-503)	Y	
Part 2	Title V Schedule of Compliance (basis: Regulation 2-6-501)	Y	
Part 3	Alarm requirement and reporting of exceedances (basis: Regulation 2-6-501)	Y	
Part 4	Recordkeeping (basis: Regulation 2-6-501)	Y	

**Table IV - I**  
**Source-specific Applicable Requirements**  
**S-408- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 1</b>	<b>General Provisions and Definitions (5/2/01)</b>		
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and Calibration	Y	
<b>SIP Regulation 1</b>	<b>General Provisions and Definitions (6/28/99)</b>		
1-523	Parametric Monitoring and Recordkeeping Procedures	Y	
1-523.3	Reports of Violations	Y	

## IV. Source-specific Applicable Requirements

**Table IV - I**  
**Source-specific Applicable Requirements**  
**S-408- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 8, Rule 12</b>	<b>Organic Compounds – Paper, Fabric and Film Coating (12/20/95)</b>		
8-12-302	Storage and Mixing Operations (leaks prohibited and lids required)	Y	
8-12-305	Surface Preparation and Cleanup Solvent		
8-12-305.1	No open containers for cleaning materials impregnated with organic compounds	Y	
8-12-305.2	No open containers for organic cleaning compounds	Y	
<b>BAAQMD Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations (10/16/02)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, annual records of makeup solvent use	N	
8-16-501.3	Annual records of type and amount of solvent used for wipe cleaning	N	
8-16-501.4	Monthly records of type and amount of solvents for solvent vapor dryers and enclosed solvent cleaners	N	
8-16-501.5	Record retention	N	
<b>SIP Regulation 8, Rule 16</b>	<b>Organic Compounds – Solvent Cleaning Operations 12/9/94)</b>		
8-16-501	Solvent Records		
8-16-501.2	Facility-wide, quarterly records of makeup solvent use	Y	
8-16-501.5	Record retention	N	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.6	80% destruction required, 90% if by incineration	Y	
8-35-303	Equipment Cleaning	Y	
8-35-303.3	80% destruction required, 90% if by incineration	Y	
8-35-305	Stationary Vat Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	

## IV. Source-specific Applicable Requirements

**Table IV - I**  
**Source-specific Applicable Requirements**  
**S-408- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 4750</b>			
Part 6	Abatement by A-600 (basis: BACT)	Y	

## IV. Source-specific Applicable Requirements

**Table IV - J**  
**Source-specific Applicable Requirements**  
**A-500 THERMAL OXIDIZER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/04/98)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	

## IV. Source-specific Applicable Requirements

**Table IV - J**  
**Source-specific Applicable Requirements**  
**A-500 THERMAL OXIDIZER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 3274</b>			
Part 5	Abatement device efficiency requirement (basis: BACT)	Y	
Part 6	Minimum temperature limit (basis: Cumulative Increase)	Y	
Part 7	Thermocouple requirement (basis: Regulation 1-521)	Y	
Part 8	Enclosure VOC capture efficiency (basis: BACT)	Y	
Part 9	Compliance with 40 CFR 60 VVV (basis: 40 CFR 60 VVV)	Y	
Part 10	Source Test (basis: Regulation 2-1-403)	Y	

## IV. Source-specific Applicable Requirements

**Table IV - K**  
**Source-specific Applicable Requirements**  
**A-600 THERMAL OXIDIZER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Regulation 6</b>	<b>Particulate Matter and Visible Emissions (9/04/98)</b>		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
<b>BAAQMD Regulation 8, Rule 35</b>	<b>Coating, Ink and Adhesive Manufacturing (6/15/94)</b>		
8-35-301	Portable and Stationary Mixing Operating Requirements		
8-35-301.6	80% destruction required, 90% if by incineration	Y	
8-35-303	Equipment Cleaning	Y	
8-35-303.3	80% destruction required, 90% if by incineration	Y	
8-35-305	Stationary Vat Control	Y	
8-35-501	Cleaning Solvent Records	Y	
8-35-503	Recordkeeping for Emission Control Systems	Y	
<b>BAAQMD Regulation 9, Rule 1</b>	<b>Inorganic Gaseous Pollutants – Sulfur Dioxide (3/15/95)</b>		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-302	General Emission Limitations	Y	
<b>40 CFR 60 Subpart VVV</b>	<b>Standards of Performance for Polymeric Coating of Supporting Substrates Facilities (9/11/89)</b>		
60.742	Standards for volatile organic compounds		
60.742(c)(1)	Abatement of covered vessel at a 95% efficient control device	Y	
60.743	Compliance provisions		
60.743(c)	The following shall be demonstrated:	Y	
60.743(c)(1)	Covers shall meet specified requirements:	Y	
60.743(c)(2)	Procedures for use of covers shall be posted	Y	
60.743(c)(3)	Mix equipment shall be vented to a control device when in use	Y	
60.743(c)(4)	Control device efficiency shall be at least 95%	Y	
60.744	Monitoring requirements		



## IV. Source-specific Applicable Requirements

**Table IV - K**  
**Source-specific Applicable Requirements**  
**A-600 THERMAL OXIDIZER**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
60.744(e)	Abatement device temperature monitoring device	Y	
60.744(i)	Recordkeeping requirement for periods of abatement device in operation	Y	
60.744(j)	Recordkeeping requirement for periods of monitoring device in operation	Y	
60.744(k)	Recordkeeping retained for 2 years	Y	
60.747	Reporting and recordkeeping requirements		
60.747(d)(4)	Reporting requirement for periods of reduced abatement device temperature	Y	
60.747(d)(7)	Semiannual statements	Y	
60.747(f)(1)	Reporting requirement for periods of monitoring device in operation	Y	
60.747(f)(2)	Reporting requirement for periods of abatement device in operation	Y	
60.747(g)	Reports postmarked within 30 days	Y	
60.747(h)	Record retention requirement	Y	
<b>BAAQMD Condition 4750</b>			
Part 6	Abatement of S-408 by A-600 (basis: BACT)	Y	
Part 12	Abatement of S-306 by A-600 (basis: BACT)	Y	
<b>BAAQMD Condition 21502</b>			
Part 1	95% Control Efficiency (basis: 40 CFR 60 Subpart VVV,60.742(c)(1))	Y	
Part 2	Minimum Incineration Temperature (basis: Cumulative Increase)	Y	

## IV. Source-specific Applicable Requirements

**Table IV - L**  
**Source-specific Applicable Requirements**  
**FACILITY**

<b>Applicable Requirement</b>	<b>Regulation Title or Description of Requirement</b>	<b>Federally Enforceable (Y/N)</b>	<b>Future Effective Date</b>
<b>BAAQMD Condition 20563</b>			
Part 1	Offset reimbursement if facility POC emissions exceed 50 tons per year (basis: 2-4-414)	Y	
Part 2	Recordkeeping for Offset reimbursement if facility POC emissions exceed 50 tons per year (basis: 2-4-414)	Y	
Part 3	Thermocouple requirement (basis: Regulation 1-521)	Y	
Part 4	Compliance with 40 CFR 60 VVV (basis: 40 CFR 60 VVV)	Y	
Part 5	Source Test (basis: Regulation 2-1-403)	Y	
Part 6	Allowable Temperature Excursion (basis: 2-1-403)	Y	
Part 7	Recordkeeping of Allowable Temperature Excursion (basis: 2-1-403)	Y	
Part 8	Allowable Temperature Excursion refers only to temperatures below the limit (basis: Regulation 2-1-403)	Y	

## V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

This facility has one remedial measure for Condition #21870, part 2:

Compliance Schedule:

- A: By 3/1/2005: The owner/operator shall have procured the pressure differential monitoring & alarming devices to monitor compliance with the 92.5% VOC capture efficiently of the enclosures around Treater Machines S-402 and S-404.
- B: By 6/1/2005: The owner/operator shall have installed these monitoring & alarming devices and shall have determined the maximum allowable pressure readings for compliance with the VOC capture efficiency limit. The maximum allowable pressure limit shall be incorporated into permit condition #3274 using minor revision procedures pursuant to Regulations 2-6-406, 2-6-408.2, and 2-6-414.
- C: The owner/operator shall submit a progress report at least every six months, up until permit condition #21870 has been modified, on the status of these devices. The progress report shall contain the dates of procurement, installation, and determination of maximum allowable pressure reading, and an explanation of why any dates in this schedule were not or will not be met, and any preventive or corrective measures adopted.

## VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

### **Condition # 3184**

For S - 302, S-303, S-304, S-305, MIX TANKS:

1. Total varnish throughput in all four mix tanks (S-302, S-303, S-304, S-305) shall not exceed 401,000 gallons per year. (basis: cumulative increase)
2. In order to ensure compliance with the above conditions, the following records shall be kept and made available for District inspection for a period of 5 years from the date on which the record was made:
  - a. Daily production and throughput for each mix tank
  - b. Weekly cumulative summary of item (a) to be kept on an annual basis. (basis: Cumulative Increase)

## **VI. Permit Conditions**

### **Condition # 3274**

For S - 402, S-404, TREATERS:

1. The total amount of varnish mix (varnish plus thinner) used at Sources S-402 and S-404 (Treater Machines #1 and #2) shall not exceed 600,000 gallons during any consecutive 12 month period. (basis: Cumulative Increase)
2. The maximum solvent content of the varnish mix, as applied, shall not exceed 4.44 pounds per gallon. (basis: Cumulative Increase)
3. The total amount of solvent (acetone) used for clean up at S-402 and S-404 shall not exceed 2000 gallons during any consecutive 12 month period. (basis: Cumulative Increase)
4. To demonstrate compliance with parts 1 through 3, the operator of S-402 and S-404 shall maintain the following records in a District approved log. These records shall be kept on site and be available for inspection by District personnel upon request. (basis: Cumulative Increase)
  - a. the amount of unthinned resin components used daily at each treater machine
  - b. the type and amount of thinning solvent added to the resin on a daily basis
  - c. the type and total amount of solvent used for clean up
  - d. the above totals shall be summarized on a monthly basis
5. Emissions of volatile organic compounds (VOC) from Treater Machines S-402 and S-404 shall be abated at all times by the Thermal Oxidizer A-500. This abatement device shall have a destruction efficiency of 98.5% or greater on a mass basis. (basis: BACT))
6. A District approved continuous temperature measuring and recording device shall be installed and maintained to monitor the A-500 oxidation temperature. When the coating process is in operation, the incineration temperature shall be maintained at 1350 degrees Fahrenheit or higher as necessary to meet the required destruction efficiency. Records shall be retained for a period of at least 5 years from the date on which the record was made and shall be available for District inspection upon request. (basis: Cumulative Increase)
7. In order to determine compliance with part 6, A-500, Thermal Oxidizer, shall be equipped with continuous temperature measuring instrumentation consisting of at least 1 thermocouple temperature probe in the thermal oxidizer. The temperature log shall be made available to the District upon request and kept for a period of five years. (basis: Regulation 1-521)
8. The VOC capture efficiency of each of the enclosures around Treater Machines S-402 and S-404, respectively, shall be equal to or greater than 92.5%. Differential pressure and monitoring devices shall be installed the enclosures to monitor compliance with the VOC destruction efficiency. If the pressure limit is triggered the exceedance shall be reported to the Compliance and Enforcement Division. (basis: BACT)

## **VI. Permit Conditions**

### **Condition # 3274**

For S - 402, S-404, TREATERS:

9. This facility shall comply with the requirements of 40 CFR 60 Subpart VVV "Standards of Performance for Polymeric Coating of Supporting Substrates Facilities" promulgated by the U.S. Environmental Protection Agency (EPA) and referenced in District Regulation 10. basis: 40 CFR 60, Subpart VVV)
10. In order to demonstrate compliance with parts 5 and 8 above, the permit holder shall perform a District approved source test annually, in accordance with the District's Manual of Procedures. The permit holder shall notify the Manager of the District's Source Test section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (basis: Regulation 2-1-403)

### **Condition # 4750**

Conditions for S-408 and S-306 Application 4727, Plant 3024

Conditions for S-408:

1. The varnish throughput of S-408 shall not exceed 500 gallons in any one day and 12,000 gallons in any one year. (basis: Cumulative Increase)
2. The total usage of dimethyl formamide for cleanup at S-408 shall not exceed 8 gallons in day one day and 200 gallons in any one year. (basis: Cumulative Increase)
- 3a. The solvents used at S-408 shall be dimethyl formamide, Methyl cellosolve (R) acetate, toluene and n-methylpyrrolidone electronic. (basis: Cumulative Increase)
- 3b. Solvents other than the material specified in Part 3a may be used in S-408, provided that the owner/operator can demonstrate to the satisfaction of the APCO, through monthly recordkeeping and VOC calculations, that the use of these materials does not increase toxic emissions above any risk screening trigger levels of Regulation 2-1-316, and the following process loss emission limits are not exceeded in any consecutive twelve month period: VOC 229.5 lbs (basis: Cumulative Increase, Toxics Trigger)
4. The varnish throughputs and the total usage of dimethyl formamide, Methyl cellosolve (R) acetate, toluene and n-methylpyrrolidone electronic at S-408 shall be recorded in a log every time it is in use. All entries shall be retained for at least 5 years from the date of entry. The log shall be kept on site and made available for the District staff upon request. (basis: Recordkeeping)

## **VI. Permit Conditions**

### **Condition # 4750**

Conditions for S-408 and S-306 Application 4727, Plant 3024

5. The spent or fresh dimethyl formamide shall be stored in closed containers. Closed containers shall be used for the storage or disposal of cloth or paper used for solvent cleanup. (basis: 8-12-305)
6. S-408 shall be abated by A-500 Thermal Oxidizer at all times of its operation. (basis: BACT)

Conditions for S-306:

7. The varnish throughput of S-306 shall not exceed 500 gallons in any one day and 12,000 gallons in any one year. (basis: Cumulative Increase)
8. The usage of dimethyl formamide for cleanup at S-306 shall not exceed 8 gallons in any one day and 200 gallons in any one year. (basis: Cumulative Increase)
- 9a. The solvents used at S-306 shall be dimethyl formamide, methyl cellosolve (R) acetate, toluene and n-methylpyrrolidone electronic. (basis: Cumulative Increase)
- 9b. Solvents other than the material specified in Part 9a may be used in S-306, provided that the owner/operator can demonstrate to the satisfaction of the APCO, through monthly recordkeeping and VOC calculations, that the use of these materials does not increase toxic emissions above any risk screening trigger levels of Regulation 2-1-316, and the following process loss emission limits are not exceeded in any consecutive twelve month period: VOC 229.5 lbs (basis: Cumulative Increase, Toxics Trigger)
10. The varnish throughputs and total usage of dimethyl formamide, methyl cellosolve (R) acetate, toluene and n-methylpyrrolidone electronic at S-306 shall be recorded in a log every time it is in use. All entries shall be retained for at least 5 years from the date of entry. The log shall be kept on site and made available for the District staff upon request. (basis: Cumulative Increase)
11. The spent and fresh dimethyl formamide shall be stored in closed containers. Closed containers shall be used for the storage or disposal of cloth or paper used for solvent cleanup. (basis: 8-12-305)
12. S-306 shall be abated by A-500 Thermal Oxidizer at all times of its operation. (basis: BACT)

## VI. Permit Conditions

### Condition # 7503

For S - 101, S-102, S-103, STORAGE TANKS

1. Only the following materials, or alternate materials approved by the District shall be stored in tanks S-101, S-102 and S-103:

<u>Tank</u>	<u>Material(s)</u>
S-101	Acetone and Epoxy Resin
S-102	Acetone
S-103	Glycol Ether PM and dimethyl formamide

Before storing an alternate material, the owner/operator shall first apply for and receive written approval from the District. (basis: Cumulative Increase)

2. The following total throughputs for S-101, S-102 and S-103 shall not be exceeded during any consecutive 12 month period.

<u>Tank</u>	<u>Throughput (gal/yr)</u>
S-101	300,000
S-102	250,000
S-103	150,000

(basis: Cumulative Increase)

3. To demonstrate compliance with the above conditions, the following records shall be kept on site for each tank and made available for District inspection for a period of 5 years from the date on which a record was made.
  - a. The type of organic liquid stored and the dates that the organic liquids were stored.
  - b. The throughput quantities shall be totaled on a monthly basis. (basis: Cumulative Increase)

### Condition # 10647

For S - 202, S-203, MIX TANKS:

1. The total varnish throughput at the Mix Tanks S-202 and S-203 shall not exceed 236,000 gallons during any consecutive 12 month period. (basis: cumulative increase)
2. In order to demonstrate compliance with the above condition, the owner/operator of S-202 and S-203 shall maintain the following records in a District approved log. These records shall be kept on site and made available for District inspection for a period of 5 years from the date on which a record was made. (basis: Cumulative Increase)
  - a. The name and product classification of each material stored or mixed.
  - b. Total daily, monthly, and annual throughput of each product.

### Condition # 15638

For S - 106, Storage Tank:

1. The true vapor pressure of each and all liquids stored in S-106 shall not exceed 3.5 psia. The vapor pressure shall be noted or calculated each time a new liquid is added to S-106. (basis: Cumulative Increase)

## **VI. Permit Conditions**

### **Condition # 15638**

For S - 106, Storage Tank:

2. The total throughput of all materials to S-106 shall not exceed 150,000 gallons in any rolling 12 consecutive month period. (basis: Cumulative Increase)
3. On a monthly basis, the permittee shall record in a District approved log the total volume of each and all liquid materials throughput to S-106 each month, in gallon units. The permittee shall also record the true vapor pressure determined in part 1 on a monthly basis as well as on the day the calculation is made. This log shall be retained for at least 5 years from date of entry, it shall be kept on site, and it shall be made available to the District staff on request. (basis: Cumulative Increase)



## **VI. Permit Conditions**

**Condition # 20563** Isola USA Corp. Site A3024  
Facility Wide Condition for Small Facility Bank Reimbursement

1. In accordance with the provisions of Regulation 2-4-414, should the facility precursor organic compound (POC) emissions ever equal or exceed 50 tons per year, on a pollutant specific basis, the facility owner/operator shall reimburse the District with emission reduction credits for all offsets of that pollutant provided from the Small Facility Banking Account or its predecessor, the Small Facility Bank. (basis: Regulation 2-4-414)
2. The owner/operator shall calculate and maintain records on a monthly basis of the quantities of POC emitted into the atmosphere from all sources at the facility. The owner/operator shall use the manufacturer's chemical speciation data or the MSDS information to calculate the POC emission. For abated operations, the abatement efficiency shall be considered to be the abatement efficiency achieved in the most recent source test. Within 30 days of the end of each month the POC emission must be totaled for the last consecutive 12-month period to ensure compliance with of condition part 1. A summary of these records shall be submitted to the District representatives Director of Enforcement on an annual basis. (basis: Regulation 2-4-414)

**Condition # 21502** Isola USA Corp. Site A3024  
For A-600 Incinerator:

1. This abatement device shall have a control efficiency of 95% or greater on a mass basis. (basis: 40 CFR 60 Subpart VVV,60.742(c)(1))
2. The incineration temperature shall be maintained at 750 degrees Fahrenheit or higher as necessary to meet the required destruction efficiency. (basis: Cumulative Increase)
3. In order to determine compliance with part 2, A-600, Thermal Oxidizer, shall be equipped with continuous temperature measuring instrumentation consisting of at least 1 thermocouple temperature probe in the thermal oxidizer. The temperature log shall be made available to the District upon request and kept for a period of five years. (basis: Regulation 1-521)
4. This facility shall comply with the requirements of 40 CFR 60 Subpart VVV "Standards of Performance for Polymeric Coating of Supporting Substrates Facilities" promulgated by the U.S. Environmental Protection Agency (EPA) and referenced in District Regulation 10. (basis: 40 CFR 60, Subpart VVV)
5. In order to demonstrate compliance with part 1 above, the permit holder shall perform a District approved source test annually, in accordance with the District's Manual of Procedures. The permit holder shall notify the Manager of the District's Source Test section at least seven (7) days prior to the test, to provide the District staff the option of observing the testing. Within 45 days of test completion, a comprehensive report of the test results shall be submitted to the Manager of the District's Source Test Section for review and disposition. (basis: Regulation 2-1-403)

## **VI. Permit Conditions**

**Condition # 21870** Isola USA Corp. Site A3024  
Title V Compliance Schedule for S-402 and S-404:

1. The owner/operator shall equip the enclosures around Treater Machines S-402 and S-404 with pressure monitoring devices to monitor compliance with the 92.5% capture VOC destruction efficiency. (Regulation 2-6-503)
2. (Regulation 2-6-503, Schedule of Compliance with Title V Permit)
  - a. By 3/1/2005: The owner/operator shall have procured the pressure differential monitoring devices to monitor compliance with the 92.5% VOC capture efficiency of the enclosures around Treater Machines S-402 and S-404.
  - b. By 9/1/2005: The owner/operator shall have installed these monitoring devices and shall have determined the maximum allowable pressure readings for compliance with the VOC capture efficiency limit. The maximum allowable pressure limit shall be incorporated into permit condition #3274 using minor revision procedures pursuant to Regulations 2-6-406, 2-6-408.2, and 2-6-414.
  - c. The owner/operator shall submit a progress report at least every six months, up this condition has been modified, on the status of these devices. The progress report shall contain the dates of procurement, installation, and determination of maximum allowable pressure reading, and an explanation of why any dates in this schedule were not or will not be met, and any preventive or corrective measures adopted.
3. Each differential pressure monitoring device shall include an alarm that is triggered when the device signals that the pressure limit has been triggered. The owner/operator shall record all exceedances in a District-approved log. Trigger of any pressure limit shall also be reported to the Director of Compliance and Enforcement in accordance with the requirements in Standard Condition I.F. (Regulation 2-6-501, BAAQMD MOP Volume II, Part 3, §4.7)
4. The owner/operator shall keep the records required by part 3 for at least 5 years and shall make the records available to District staff upon request. (Regulation 2-6-501)

## VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), hourly (H), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

**Table VII - A**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-101, S-102, S-103- STORAGE TANKS (UNABATED)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-303.1	Y		PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
	BAAQMD 8-5-303.2	Y		gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
	BAAQMD Condition 7503, Part 2	Y		300,000 gal/yr - S-101 250,000 gal/yr - S-102 150,000 gal/yr - S-103 throughput limits	BAAQMD Condition 7503, Part 3	P/M	usage records
	BAAQMD Condition 7503, Part 1	Y		acetone & epoxy resin - S-101 acetone - S-102 Glycol Ether PM and DMF - S-103 material limits	BAAQMD Condition 7503, Part 3	P/M	usage records

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - B**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-106- STORAGE TANK (UNABATED)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-5-303.1	Y		PV valve set pressure within 10% of working pressure or at least 0.5 psig	BAAQMD 8-5-403	P/SA	Inspection
	BAAQMD 8-5-303.2	Y		gas tight (< 500 ppm) except when operating pressure exceeds the valve set pressure	BAAQMD 8-5-403	P/SA	Inspection
	BAAQMD Condition 15638, Part 1	Y		True Vapor Pressure of liquids stored $\leq$ 3.5 psia	BAAQMD Condition 15638, Part 1	P/E	usage records
	BAAQMD Condition 15638, Part 2	Y		150,000 gal/yr - S-106 throughput limit	BAAQMD Condition 15638, Part 3	P/M	usage records

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - C**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-201 - MASTER MIX KETTLE (ABATED BY A-600 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-303	Y		Low VOC, or < 60 gal/month	BAAQMD 8-35-501	P/M	Usage records
	BAAQMD 8-35-305	Y		80% efficiency (90% if by incineration)	BAAQMD 8-35-502	P/M	Emission calculations
					BAAQMD 8-35-503	P/D	Record keeping
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - D**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-202, S-203- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-301.6	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
	BAAQMD 8-35-303.3	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/M	temperature monitoring
	BAAQMD 8-35-305	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
				none	BAAQMD 8-35-503	P/D	Record keeping
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring
	BAAQMD Condition 10647, Part 1	Y		236,000 gal/yr throughput limit	BAAQMD Condition 10647, Part 2	P/M	usage records

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - E**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-302, S-303, S-304, S-305- MIX TANKS (ABATED BY A-600 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-301.6	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
	BAAQMD 8-35-303.3	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/M	temperature monitoring
	BAAQMD 8-35-305	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
				none	BAAQMD 8-35-503	P/D	Record keeping
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring (750°F)
	40 CFR 60 Subpart VVV, 60.742(c) (4)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/D	temperature monitoring
	BAAQMD Condition 3184, Part 1	Y		401,000 gal/yr throughput limit	BAAQMD Condition 3184, Part 2	P/W	usage records

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - F**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-306- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-301.6	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
	BAAQMD 8-35-303.3	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/M	temperature monitoring
	BAAQMD 8-35-305	Y		90% organic incineration efficiency	BAAQMD 8-35-503	P/D	temperature monitoring
				none	BAAQMD 8-35-503	P/D	Record keeping
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring
	BAAQMD Condition 4750, Part 7	Y		500 gal/day & 12,000 gal/yr varnish throughput limit	BAAQMD Condition 4750, Part 10	P/E	usage records
	BAAQMD Condition 4750, Part 8	Y		8 gal/day & 200 gal/yr DMF throughput limit	BAAQMD Condition 4750, Part 10	P/E	usage records
	BAAQMD Condition 4750, Part 9a	Y		DMF, methyl cellosolve acetate, toluene, and methylpyrrolidone solvent material limit	BAAQMD Condition 4750, Part 10	P/E	usage records
	BAAQMD Condition 4750, Part 9b	Y		Allowance for other solvents with process emission limit and Toxic Risk Trigger limit	BAAQMD Condition 4750, Part 10	P/E	usage records



## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - G**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-401- RESIN SUMP TANKS, SEALED PROCESS (UNABATED)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-303	Y		Low VOC, or < 60 gal/month	BAAQMD 8-35-501	P/M	Usage records
	BAAQMD 8-35-305	Y		15 lb/day	BAAQMD 8-35-502	P/M	Emission calculations
				none	BAAQMD 8-35-503	P/D	Record keeping

**Table VII - H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-402, S-404- TREATERS (ABATED BY A-500 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-12-301.2	Y		emissions less than 120 gram VOC/liter of coating applied (1.0 lb/gal), excluding water	BAAQMD 8-12-501.3 and Condition 3274, Part 6;	C	operating temperature verifies destruction efficiency
	40 CFR 60 Subpart VVV, 60.742(b) (1)	Y		90% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	C	operating temperature (1350°F)

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - H**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-402, S-404- TREATERS (ABATED BY A-500 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	40 CFR 60 Subpart VVV, 60.742(b) (2)	Y		Total enclosure vented to control device with 95% control efficiency	40 CFR 60 Subpart VVV, 60.744(e)	C	operating temperature (1350°F)
	BAAQMD Condition 3274, Part 1	Y		600,000 gal/yr varnish mix throughput limit	BAAQMD Condition 3274, Part 4	P/M	usage records
	BAAQMD Condition 3274, Part 3	Y		2,000 gal/yr clean up solvent throughput limit	BAAQMD Condition 3274, Part 4	P/M	usage records
	BAAQMD Condition 3274, Part 5	Y		98.5% thermal oxidizer A-500 destruction efficiency	BAAQMD Condition 3274, Part 10	P/A	source test
	BAAQMD Condition 3274, Part 6	Y		Oxidation temperature of 1350°F	BAAQMD Condition 3274, Part 7	C	operating temperature
	BAAQMD Condition 3274, Part 8	Y		92.5% enclosure VOC capture efficiency	BAAQMD Condition 3274, Part 10	P/A C	performance test  Differential Pressure Drop Monitor
	BAAQMD Condition 21870, Part 1	Y		92.5% enclosure VOC capture efficiency	BAAQMD Condition 3274, Part 10	C	Differential Pressure Drop Monitor

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - I**  
**Applicable Limits and Compliance Monitoring Requirements**  
**S-408- MIX TANK (ABATED BY A-600 THERMAL OXIDIZER)**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-301.6	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor
	BAAQMD 8-35-303.3	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor
	BAAQMD 8-35-305	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor
				none	BAAQMD 8-35-503	P/D	Record keeping
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring
VOC	BAAQMD Condition 4750, Part 1	Y		500 gal/day & 12,000 gal/yr varnish throughput limit	BAAQMD Condition 4750, Part 4	P/D	usage records
	BAAQMD Condition 4750, Part 2	Y		8 gal/day & 200 gal/yr DMF throughput limit	BAAQMD Condition 4750, Part 4	P/D	usage records
	BAAQMD Condition 4750, Part 3	Y		DMF, methyl cellosolve acetate, toluene, and methylpyrrolidone solvent material limit	BAAQMD Condition 4750, Part 4	P/E	usage records
	BAAQMD Condition 4750, Part 3b	Y		Allowance for other solvents with process emission limit and Toxic Risk Trigger limit	BAAQMD Condition 4750, Part 10	P/E	usage records

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-500 THERMAL OXIDIZER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310.3	Y		Particulate Matter < 343 mg per dscm (0.15 gr/dscf)	None	N	N
SO2	BAAQMD Regulation 9-1-301	Y		GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	None	N	
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-12-301.2	Y		emissions less than 120 gram VOC/liter of coating applied (1.0 lb/gal), excluding water	BAAQMD 8-12-501.3 and Condition 3274, Part 6;	C	operating temperature verifies destruction efficiency
	40 CFR 60 Subpart VVV, 60.742(b) (1)	Y		90% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	C	operating temperature (1350°F)
	40 CFR 60 Subpart VVV, 60.742(b) (2)	Y		Total enclosure with 95% control efficiency	40 CFR 60 Subpart VVV, 60.744(e)	C	operating temperature (1350°F)
	BAAQMD Condition 3274, Part 1	Y		600,000 gal/yr varnish mix throughput limit	BAAQMD Condition 3274, Part 4	P/M	usage records
	BAAQMD Condition 3274, Part 3	Y		2,000 gal/yr clean up solvent throughput limit	BAAQMD Condition 3274, Part 4	P/M	usage records
	BAAQMD Condition 3274, Part 5	Y		98.5% thermal oxidizer A-500 destruction efficiency	BAAQMD Condition 3274, Part 10	P/A	source test

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - J**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-500 THERMAL OXIDIZER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Condition 3274, Part 6	Y		Oxidation temperature of 1350°F	BAAQMD Condition 3274, Part 7	C	operating temperature
	BAAQMD Condition 3274, Part 8	Y		92.5% enclosure VOC capture efficiency	BAAQMD Condition 3274, Part 10	P/A <u>C</u>	source test  Differential Pressure Drop Monitor

**Table VII - K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-600 THERMAL OXIDIZER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
FP	BAAQMD 6-310.3	Y		Particulate Matter < 343 mg per dscm (0.15 gr/dscf)	None	N	N
SO2	BAAQMD Regulation 9-1-301	Y		GLC > 0.5 ppm continuously for 3 consecutive minutes or 0.25 ppm averaged over 60 consecutive minutes or 0.05 ppm averaged over 24 hrs	None	N	
VOC				none	BAAQMD 8-16-501	P/M/A	Solvent usage records
	BAAQMD 8-35-301.6	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor
	BAAQMD 8-35-303.3	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor
	BAAQMD 8-35-305	Y		90% organic incineration efficiency	BAAQMD 8-35-503	C	temperature monitor

## VII. Applicable Limits & Compliance Monitoring Requirements

**Table VII - K**  
**Applicable Limits and Compliance Monitoring Requirements**  
**A-600 THERMAL OXIDIZER**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC				none	BAAQMD 8-35-503	P/D	Record keeping
	BAAQMD Condition 21502, Part 1	Y		95% control efficiency	BAAQMD Condition 21502, Part 5	P/A	source test
	BAAQMD Condition 21502, Part 2	Y		Oxidation temperature of 750°F	BAAQMD Condition 21502, Part 3	C	operating temperature
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		Oxidation temperature of 750°F	40 CFR 60 Subpart VVV, 60.744(e)	C	temperature monitoring
	40 CFR 60 Subpart VVV, 60.742(c)(1)	Y		95% destruction of emissions	40 CFR 60 Subpart VVV, 60.744(e)	P/A	Annual source test

**Table VII - L**  
**Applicable Limits and Compliance Monitoring Requirements**  
**FACILITY**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Condition 20563, Part 1	Y		50 ton/yr POC trigger to reimburse the District with emission reduction credits	BAAQMD Condition 20563, Part 2	P/M	emission calculations

## VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Limits & Compliance Monitoring Requirements, of this permit.

**Table VIII**  
**Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 6-311	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling or USEPA Method 5, Determination of Particulate Matter Emissions from Stationary Sources
BAAQMD 8-4-302.1	VOC Emission Limit	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
SIP 8-4-301	VOC Emission Limit	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
BAAQMD 8-12-301.2	VOC Emission Limit	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)

## VIII. Test Methods

**Table VIII  
 Test Methods**

<b>Applicable Requirement</b>	<b>Description of Requirement</b>	<b>Acceptable Test Methods</b>
BAAQMD 8-35-301.6 8-35-303.3 8-35-305	VOC Emission Limit	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
BAAQMD 9-1-301	Limitations on Ground Level Concentration	Manual of Procedures, Volume VI, Section 1, Ground level Monitoring for H2S and SO2
BAAQMD 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
40 CFR 60 Subpart VVV 60.742(b)(1)	VOC Abatement Requirement	EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 18 (Measurement of Gaseous Organic Compound Emissions by Gas Chromatography) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
40 CFR 60 Subpart VVV 60.742(b)(2)	VOC Abatement Requirement	EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 18 (Measurement of Gaseous Organic Compound Emissions by Gas Chromatography) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
40 CFR 60 Subpart VVV 60.742(c)(1)	VOC Emission Limit	EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 18 (Measurement of Gaseous Organic Compound Emissions by Gas Chromatography) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)
Condition 3274, Part 5 3274, Part 7	Incinerator Efficiency Requirement	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling, or EPA Method 25 (Determination of Total Gaseous Nonmethane Organic Emissions as Carbon) or 25A (Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer)



## **IX. PERMIT SHIELD**

None.

## **X. GLOSSARY**

**ACT**

Federal Clean Air Act

**APCO**

Air Pollution Control Officer

**API**

American Petroleum Institute

**ARB**

Air Resources Board

**BAAQMD**

Bay Area Air Quality Management District

**BACT**

Best Available Control Technology

**BARCT**

Best Available Retrofit Control Technology

**Basis**

The underlying authority that allows the District to impose requirements.

**CAA**

The federal Clean Air Act

**CAAQS**

California Ambient Air Quality Standards

**CAPCOA**

California Air Pollution Control Officers Association

**CEQA**

California Environmental Quality Act

**CEM**

A "continuous emission monitor" is a monitoring device that provides a continuous direct measurement of some pollutant (e.g. NOx concentration) in an exhaust stream.

**CFP**

Clean Fuels Project

**CO**

Carbon Monoxide

## **X. Glossary**

### **CO2**

Carbon Dioxide

### **Cumulative Increase**

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

### **District**

The Bay Area Air Quality Management District

### **DNF**

Dissolved Nitrogen Flotation (See DAF)

### **dscf**

Dry Standard Cubic Feet

### **dscm**

Dry Standard Cubic Meter

### **E 6, E 9, E 12**

Very large or very small number values are commonly expressed in a form called scientific notation, which consists of a decimal part multiplied by 10 raised to some power. For example, 4.53 E 6 equals  $(4.53) \times (10^6) = (4.53) \times (10 \times 10 \times 10 \times 10 \times 10 \times 10) = 4,530,000$ . Scientific notation is used to express large or small numbers without writing out long strings of zeros.

### **EPA**

The federal Environmental Protection Agency.

### **Excluded**

Not subject to any District Regulations.

### **Federally Enforceable, FE**

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

### **FP**

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

### **FR**

Federal Register

## **X. Glossary**

### **GDF**

Gasoline Dispensing Facility

### **GLM**

Ground Level Monitor

### **grains**

1/7000 of a pound

### **Graphitic**

Made of graphite.

### **HAP**

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

### **H<sub>2</sub>S**

Hydrogen Sulfide

### **HHV**

Higher Heating Value. The quantity of heat evolved as determined by a calorimeter where the combustion products are cooled to 60F and all water vapor is condensed to liquid.

### **LHV**

Lower Heating Value. Similar to the higher heating value (see HHV) except that the water produced by the combustion is not condensed but retained as vapor at 60F.

### **Long ton**

2200 pounds

### **Major Facility**

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

### **MFR**

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

### **MOP**

The District's Manual of Procedures

### **MSDS**

Material Safety Data Sheet

## **X. Glossary**

### **MTBE**

methyl tertiary-butyl ether

### **NA**

Not Applicable

### **NAAQS**

National Ambient Air Quality Standards

### **NESHAPs**

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63.

### **NMHC**

Non-methane Hydrocarbons

### **NMOC**

Non-methane Organic Compounds (Same as NMHC)

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

Oxides of nitrogen.

### **NSPS**

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by 40 CFR Part 60 and District Regulation 10.

### **NSR**

New Source Review. A federal program for pre-construction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

### **O<sub>2</sub>**

The chemical name for naturally-occurring oxygen gas.

### **Offset Requirement**

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO<sub>x</sub>, PM<sub>10</sub>, and SO<sub>2</sub>.

### **Phase II Acid Rain Facility**

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

### **POC**

Precursor Organic Compounds

## **X. Glossary**

### **PM**

Total Particulate Matter

### **PM10**

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

### **PSD**

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

### **SIP**

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

### **SO2**

Sulfur dioxide

### **SO3**

Sulfur trioxide

### **THC**

Total Hydrocarbons (NMHC + Methane)

### **therm**

100,000 British Thermal Unit

### **Title V**

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

### **TOC**

Total Organic Compounds (NMOC + Methane, Same as THC)

### **TRMP**

Toxic Risk Management Plan

### **TRS**

"Total reduced sulfur" is a measure of the amount of sulfur-containing compounds in a gas stream, typically a fuel gas stream, including, but not limited to, hydrogen sulfide. The TRS content of a fuel gas determines the concentration of SO<sub>2</sub> that will be present in the combusted fuel gas, since sulfur compounds are converted to SO<sub>2</sub> by the combustion process.

## **X. Glossary**

### **TSP**

Total Suspended Particulate

### **TVP**

True Vapor Pressure

### **VOC**

Volatile Organic Compounds

#### **Units of Measure:**

bbbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celsius
F	=	degrees Fahrenheit
f <sup>3</sup>	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m <sup>2</sup>	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
µg	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbtu	=	million btu
mm Hg	=	millimeters of Mercury (pressure)
MW	=	megawatts
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

## **X. Glossary**

### **Symbols:**

$<$	$=$	less than
$>$	$=$	greater than
$\leq$	$=$	less than or equal to
$\geq$	$=$	greater than or equal to