Bay Area Air Quality Management District

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

Final

MAJOR FACILITY REVIEW PERMIT

Issued To: Commercial Pattern, Inc. Facility #A6499

Facility Address:

3162 Baumberg Avenue Hayward, CA 94545

Mailing Address:

3162 Baumberg Avenue Hayward, CA 94545

Responsible Official
Mark Looby, Vice President
510-784-1014

Facility Contact
Mark Looby, Vice President
510-784-1014

Type of Facility: Reinforced Plastic BAAQMD Permit Division Contact:

Composites ProductionDonald P. Van Buren, PE
3999
Air Quality Engineer II

Product: Transit Bus Parts

Primary SIC:

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Signed by Peter Hess for Jack P. Broadbent February 18, 2005

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

Date

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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 8/1/01);

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 5/17/00);

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 5/17/00);

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 February 18, 2005, and expires on January 31, 2010. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than July 31, 2009 and no earlier than January 31, 2009. If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after January 31, 2010. If the permit renewal has not been issued by January 31, 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

I. Standard Conditions

permittee to halt or reduce the permitted activity in order to maintain compliance 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 reissuance, 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

I. Standard Conditions

equipment that is subject to this permit to the APCO and/or to his or her designee. (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 February 18, 2005, to July 31, 2005. The report shall be submitted by August 31, 2005. Subsequent reports shall be for the following periods: August 1st through January 31st and February 1st through July 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 February 1st to January 31st. The certification shall be submitted by February 28th or 29th 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:

I. Standard Conditions

Director of the Air Division USEPA, Region IX 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
1	Fiberglass Operation	Not applicable	Not	4,100 gallons per year
			applicable	gelcoat, 32,000 gallons
				per year resin, 1,100
				gallons per year acetone

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://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1.

NOTE:

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

Table III
Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
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

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
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	N
,	Coating Operations (10/16/02)	
SIP Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (12/23/97)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	<u>Y</u>
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 (10/7/98)	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 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N

III. Generally Applicable Requirements

Table III Generally Applicable Requirements

		Federally
Applicable	Regulation Title or	Enforceable
Requirement	Description of Requirement	(Y/N)
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air	Y
	Pollutants – National Emission Standard for Asbestos	
	(6/19/95)	
EPA Regulation 40 CFR 82	Protection of Stratospheric Ozone (2/21/95)	Y
Subpart F, 40 CFR 82.156	Leak Repair	Y
Subpart F, 40 CFR 82.161	Certification of Technicians	Y
Subpart F, 40 CFR 82.166	Records of Refrigerant	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. http://yosemite1.epa.gov/r9/r9sips.nsf/California?ReadForm&Start=1&Count=30&Expand=3.1. All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S1 - FIBERGLASS OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD	Particulate Matter and Visible Emissions (12/19/90)		
Regulation 6			
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
BAAQMD			
Regulation 8,	Organic Compounds - Polyester Resin Operations (11/06/96)		
Rule 50			
8-50-110	Limited Exemption, Touch-up and Repair	Y	
8-50-301	Process Requirements except as provided in Section 8-50-304	Y	
8-50-301.1	Monomer ≤ 35 wt%	Y	
8-50-301.2	Vapor Suppressant & VOC Emission ≤ 60g/m ²	Y	

Table IV - A Source-specific Applicable Requirements S1 - FIBERGLASS OPERATION

Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
8-50-302	Spraying Operations Allowed	Y		
8-50-302.1	Airless Spray	Y		
8-50-302.2	Air-Assisted Airless Spray	Y		
8-50-302.3	Electrostatic Spray	Y		
8-50-302.4	HVLP	Y		
8-50-304	Corrosion-resistant Materials	Y		
8-50-305	Surface Preparation and Clean-up Solvent	N		
8-50-305.1	Storage in Closed Containers	Y		
8-50-305.2	Self-closing Containers, Disposal	Y		
8-50-305.3	Minimizing Organic Emissions from Spray Equipment Clean-up	Y		
8-50-305.4	Clean-up Solvent, VOC ≤ 200g/liter	N		
8-50-307	Gel Coat Requirement	Y		
8-50-501	Records	N		
8-50-501.1	List of Materials Used	Y		
8-50-501.2	List VOC Content of Materials Used	N		
8-50-501.3	Vapor-suppressed Resin Records	Y		
8-50-501.4	Daily Usage Records	Y		
8-50-501.5	Record Retention for 24 months	Y		
SIP	Organic Compounds - Polyester Resin Operations (12/20/95)			
Regulation 8,				
Rule 50				
8-50-305	Surface Preparation and Clean-up Solvent	Y		
8-50-305.4	Clean-up Solvent, VOC \leq 200g/liter (refers to definition in SIP 8-50 220)	Y		
8-50-501	Records	Y		
8-50-501.2	List VOC Content of Materials Used	Y		
40 CFR, Part	National Emission Standards for Hazardous Air Pollutants:	Y		
63, Subpart A	General Provisions (3-16-1994)			
§63.1	Applicability	Y		
§63.2	Definitions	Y		

Table IV - A Source-specific Applicable Requirements S1 - FIBERGLASS OPERATION

Applicable	Regulation Title or	Federally Enforceable	Future Effective
Requirement	Description of Requirement	(Y/N)	Date
§63.3	Units and Abbreviations	Y	
§63.4	Prohibited Activities and Circumvention	Y	
§63.5	Preconstruction Review and Notification Requirements (except existing facilities do not become reconstructed under subpart WWWW of Part 63)	Y	
§63.6	Compliance with Standards and Maintenance Requirements	Y	
§63.6(a)	Applicability	Y	
§63.6(c)	Compliance dates for existing sources	Y	
§63.6(e)(1) and (2)	Operation and maintenance requirements	Y	
§63.6(f)	Compliance with non-opacity emission standards	Y	
§63.6(g)	Use of an alternative non-opacity emission standard	Y	
§63.6(i)	Extension of compliance with emission standards	Y	
§63.6(j)	Presidential compliance exemption	Y	
§63.7	Performance Testing Requirements (except Subpart WWWW of Part 63 initial compliance requirements are in §63.5840)	Y	
§63.8	Monitoring Requirements (except subpart WWWW of Part 63 does not contain opacity standards)	Y	
§63.9	Notification Requirements(except existing facilities do not become reconstructed under subpart WWW of Part 63 and that subpart does not contain opacity standards)	Y	
§63.10	Recordkeeping and Reporting Requirements	Y	
§63.10(a)	Applicability and general information	Y	
§63.10(b)	General recordkeeping requirements	Y	
§63.10(d)	General reporting requirements	Y	
§63.10(f)	Waiver of recordkeeping or reporting requirements	Y	
§63.13	Addresses for requests, reports, applications, submittals, and other communications	Y	

Table IV - A Source-specific Applicable Requirements S1 – FIBERGLASS OPERATION

Applicable	Regulation Title or	Federally Enforceable	Future Effective	
Requirement	Description of Requirement	(Y/N)	Date	
§63.14	Incorporations by reference	Y		
§63.15	Availability of information	Y		
40 CFR 63	National Emission Standards for Hazardous Air Pollutants:		4/21/06	
Subpart	Reinforced Plastic Composites Production			
wwww				
63.5785	Am I subject to this subpart?	Y	4/21/06	
63.5785 (a)	Subject if reinforced plastic composites production facility at a major	Y	4/21/06	
	source of HAP emissions			
63.5790	What parts of my plant does this subpart cover?	Y	4/21/06	
63.5790 (a)	Covers new and existing affected sources	Y	4/21/06	
63.5790 (b)	Affected sources include open molding, closed molding, mixing,	Y	4/21/06	
	cleaning of manufacturing equipment, HAP-containing materials			
	storage, and repair of manufactured parts			
63.5790 (c)	Excluded operations include mold sealing and release agents, mold	Y	4/21/06	
	stripping and cleaning			
63.5795	How do I know if my facility is an existing affected source?	Y	4/21/06	
63.5795 (b)	Existing affected source is any source that is not a new affected source	Y	4/21/06	
63.5796	Organic HAP emission factors	Y	4/21/06	
63.5797	How do I determine the organic HAP content of my resins and gel coats?	Y	4/21/06	
63.5800	When do I have to comply with this subpart?	Y	4/21/06	
63.5805	What standards must I meet to comply with this subpart?	Y	4/21/06	
63.5805 (a)	Existing facility must meet annual average organic HAP emissions limits in Table 3 and work practice standards in Table 4	Y	4/21/06	
63.5810	What are my options for meeting the standards for open molding at existing sources	Y	4/21/06	
63.5810 (d)	Use resins and gel coats that do not exceed the maximum organic HAP Y contents shown in Table 3			
63.5835	What are my general requirements for complying with this subpart?	Y	4/21/06	
63.5835 (a)	Comply with work standard practices in Table 4 and organic HAP	Y	4/21/06	
	emission limits in Table 3 without the use of add-on controls			
63.5840	By what date must I conduct other initial compliance demonstration?	Y	4/21/06	
63.5860	How do I demonstrate initial compliance with the standards?	Y	4/21/06	
63.5860 (a)	Demonstrate using procedures shown in Tables 8 and 9	Y	4/21/06	

Table IV - A Source-specific Applicable Requirements S1 – FIBERGLASS OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.5895	How do I monitor and collect data to demonstrate continuous compliance?	Y	4/21/06
63.5895 (c)	Keep records of organic HAP content and operation where the resin is used	Y	4/21/06
63.5895 (d)	Statement required in compliance report	Y	4/21/06
63.5900	How do I demonstrate continuous compliance with the standards?	Y	4/21/06
63.5900 (a) (2)	Include in compliance report a statement that all resins and gel coats meet appropriate limits in 63.5895 (d)	Y	4/21/06
63.5900 (a) (4)	Comply with work practice standards by performing work practice required for each operation	Y	4/21/06
63.5905	What notifications must I submit and when?	Y	4/21/06
63.5905 (a)	Submit notifications per Table 13	Y	4/21/06
63.5905 (b)	Submit changes within 15 days	Y	4/21/06
63.5910	What reports must I submit and when?	Y	4/21/06
63.5910 (a)	Each relevant report in Table 14	Y	4/21/06
63.5910 (b)	Submit report by date in Table 14 and according to (b) (1) through (b) (4)	Y	4/21/06
63.5910 (b) (1)	First compliance report to cover 4/21/2006 through 6/30/2006	Y	4/21/06
63.5910 (b) (2)	First compliance report delivered or postmarked by 7/31/2006	Y	4/21/06
63.5910 (b) (3)	Subsequent compliance reports cover semiannual reporting periods January 1 through June 30 and July 1 through December 31	Y	4/21/06
63.5910 (b) (4)	Subsequent compliance reports delivered or postmarked by end of month following reporting period	Y	4/21/06
63.5910 (c)	Compliance report information requirements	Y	4/21/06
63.5910 (d)	Deviation reporting	Y	4/21/06
63.5910 (g)	Deviations required to be included in Title V semiannual monitoring report unless compliance report submitted with or included in semiannual monitoring report	Y	4/21/06
63.5915	What records must I keep?	Y	4/21/06
63.5920	In what form and how long must I keep my records?	Y	4/21/06
63.5925	What parts of the General Provisions apply to me?	Y	4/21/06

Table IV - A Source-specific Applicable Requirements S1 – FIBERGLASS OPERATION

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #9997			
Part 1	Gel coat usage limit (basis: Cumulative Increase)	Y	
Part 2	Gel coat POC plus NPOC limit (basis: Regulation 8-50-307)	Y	
Part 3	Resin usage limit (basis: Cumulative Increase)	Y	
Part 4	Resin monomer content limitations (basis: Regulation 8-50-301 or 304)	Y	
Part 5	Clean-up solvent usage limitation (basis: Cumulative Increase)	Y	
Part 6	Solvent evaporation loss minimization (basis: Regulation 8-50-305)	Y	
Part 7	Maintain list of materials used (basis: Cumulative Increase)	Y	
Part 8	POC annual emission limit (basis: Cumulative Increase)	Y	
Part 9	NPOC annual emission limit (basis: Cumulative Increase)	N	
Part 10	Flexibility to use other materials (basis: Cumulative Increase, Toxic Risk Screen)	Y	
Part 11	Monthly and consecutive 12-month record keeping (basis: Cumulative Increase, Regulation 8-50)	Y	
Part 12	Source test may be requested(basis: Regulation 2-1-403)	Y	
Part 13	Mechanical application of resin and fiberglass must use mechanical non-atomized applicator. (basis: Cumulative Increase)	Y	
Part 14	No use of materials subject to 40CFR82, Protection of Stratospheric Ozone (basis: 40CFR82)	Y	
Part 15	Daily filter inspection and repair (basis: Regulation 2-6-503)	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.

VI. PERMIT CONDITIONS

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

Condition # 9997

For S1, Fiberglass Operation:

1. The total amount of gel coat applied at S1 shall not exceed 4,100 gallons during any consecutive 12-month period.

(basis: Cumulative Increase)

2. The gel coat shall not result in volatile losses exceeding 250 grams per liter applied.

(basis: Regulation 8-50-307)

3. Total amount of resin applied at S1 shall not exceed 32,000 gallons during any consecutive 12-month period.

(basis: Cumulative Increase)

- 4. The resin shall meet one of the following:
- a. monomer content shall not exceed 35% by weight; or
- b. the resin shall be vapor suppressed and shall have emissions not to exceed 60 grams of volatile compounds per square meter of surface area or
- c. monomer content of a corrosion-resistant resin shall not exceed 50% by weight provided product is for corrosive or fire retardant service (basis: Regulation 8-50-301 or 304)
- 5. Total cleanup solvent shall not exceed 1,100 gallons of acetone during any consecutive 12-month period. This limit excludes cleanup solvent used in cold cleaners qualifying for a permit exemption in accordance with BAAQMD Regulation
- 2, Permits, Rule 1, General Requirements, Section 118, Exemption, Surface Preparation and Cleaning Equipment, Subsection 118.6.

(basis: Cumulative Increase)

VI. Permit Conditions

6. The operator shall comply with all of the following measures to minimize solvent evaporation: use closed containers for the storage of all polyester resin materials, cleaning materials and any unused VOC-containing materials, except when accessed for use; use self-closing containers for the disposal of all polyester resin materials, cleaning materials, waste materials, and any unused VOC containing materials in such a manner as to effectively control VOC emissions to the atmosphere; and shall not use organic compounds for the clean-up of spray equipment including spray lines unless equipment for collecting the cleaning material and minimizing their evaporation to the atmosphere is used.

(basis: Regulation 8-50-305)

- 7. The operator shall maintain a current list of all materials used at S1 and the Material Safety Data Sheets for each. The list shall provide all of the data necessary to evaluate compliance, including the following information: material used, VOC content of the material or monomer content, as applied. (basis: Cumulative Increase)
- 8. The permit holder shall emit not more than 11.008 tons of POC in any consecutive 12-month period. This emission limit excludes cleanup solvent used in cold cleaners qualifying for a permit exemption in accordance with BAAQMD Regulation 2, Permits, Rule 1, General Requirements, Section 118, Exemption, Surface Preparation and Cleaning Equipment, Subsection 118.6. (basis: Cumulative Increase)
- *9. The permit holder shall emit not more than 3.630 tons of NPOC, including acetone, in any consecutive 12-month period. This emission limit excludes cleanup solvent used in cold cleaners qualifying for a permit exemption in accordance with BAAQMD Regulation 2, Permits, Rule 1, General Requirements, Section 118, Exemption, Surface Preparation and Cleaning Equipment, Subsection 118.6. (basis: Cumulative Increase)
- 10. Usages in excess of those specified in Parts 1, 3 and 5 and/or cleanup solvents, other than the materials specified in Part 5 but excluding cleanup solvent used in cold cleaners qualifying for a permit exemption in accordance with BAAQMD Regulation 2, Permits, Rule 1, General Requirements, Section 118, Exemption, Surface Preparation and Cleaning Equipment, Subsection 118.6, may be used at S1 provided that the owner/operator can demonstrate that all of the following are satisfied:
- a. Total emissions of POC from S1 do not exceed 11.008 tons in any consecutive twelve month period; and

VI. Permit Conditions

b. Total emissions of NPOC from S1 do not exceed 3.630 tons in any consecutive twelve month period; and

c. The use of these materials does not increase toxic emissions above any risk screening trigger level.

(basis: Cumulative Increase, Toxic Risk Screen)

11. To determine compliance with the above conditions, the operator shall maintain the following records and provide all of the data necessary to evaluate compliance with the above conditions, including the following information: the type, quantity, and VOC content of each material, as applied, on a monthly basis; monthly usages and/or emission calculations shall be totaled for consecutive twelve-month sums on a monthly basis.

All records shall be retained on-site for five years from the date of entry and made available for inspection by District staff upon request. These record-keeping requirements shall not replace the record keeping requirements contained in any applicable District Regulations.

(basis: Cumulative Increase, Regulation 8-50)

12. The District may require the owner/operator of the spray booth to conduct a District-approved source test to determine emissions of precursor organic compounds, POC, non-precursor organic compounds, NPOC and any toxic compounds. 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)

13. The permit holder shall use mechanical non-atomized application for the mechanical application of catalyzed resin and chopped glass fibers to an open mold. Mechanical non-atomized application means the use of a device for applying resin or gel coat that a) has been provided by the device manufacturer with documentation showing that use of the device results in HAP emissions that are no greater than the emissions predicted by the applicable non-atomized application equation(s) in Table 1 to Subpart WWWW of 40 CFR Part 63 and b) is operated according to the manufacturer's directions, including instructions to prevent the operation of the device at excessive spray pressures.

(basis: Cumulative Increase)

VI. Permit Conditions

14. The permit holder shall not use any resin, catalyst, gelcoat or cleanup solvent subject to 40 CFR 82, Protection of Stratospheric Ozone. (basis: Regulation 2-6-503)

15. The permit holder shall check the "left booth" and "right booth" filters in the "Molding Booth" at least once per operating day for gaps, sags and holes. Any filters with gaps, sags or holes shall be repaired or replaced the same operating day. The permit holder shall record the result of the inspection as well as any corrective action taken. (basis: Regulation 2-6-503)

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
S1 – FIBERGLASS OPERATION

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		monomer content of resin \leq	BAAQMD	P/E	records
	8-50-301.1			35% by weight or	8-50-501.2		
	and			compliance with BAAQMD	and		
	BAAQMD			8-50-301.2 or 8-50-304	BAAQMD		
	Condition				Condition		
	#9997, part				#9997, parts		
	4a				7 plus 11		
	BAAQMD	Y		weight loss/emissions from	BAAQMD	P/E	records
	8-50-301.2			vapor suppressed resin ≤	8-50-501.3		
	and			60 g/m ² surface area or	and		
	BAAQMD			compliance with BAAQMD	BAAQMD		
	Condition			8-50-301.1 or 8-50-304	Condition		
	#9997, part				#9997, parts		
	4b				7 plus 11		
	BAAQMD	Y		monomer content of	BAAQMD	P/E	records
	8-50-304			corrosion resistant materials	8-50-501.2		
	and			≤50% by weight or	and		
	BAAQMD			compliance with BAAQMD	BAAQMD		
	Condition			8-50-301.1 or 8-50-301.2	Condition		
	#9997, part				#9997, parts		
	4c				7 plus 11		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A Applicable Limits and Compliance Monitoring Requirements S1 – FIBERGLASS OPERATION

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
VOC	BAAQMD	Y		content of cleaning material	BAAQMD	P/E	records
	8-50-305.4			≤ 200 g/liter	8-50-501.2		
					and		
					Condition		
					#9997, parts		
					7 plus 11		
	BAAQMD	Y		content of gel coat, as	BAAQMD	P/E	records
	8-50-307			applied ≤ 250 g/liter	8-50-501.2		
	and				and		
	BAAQMD				Condition		
	Condition #				#9997, parts		
	9997, part 2				7 plus 11		
	BAAQMD	Y		Gelcoat throughput ≤ 4,100	BAAQMD	P/D	records
	Condition #			gal/yr yr and compliance	Condition #		
	9997, part 1			with BAAQMD Condition	9997, parts 7		
				# 9997, parts 8 plus 9 or	plus 11		
				none of the above but			
				compliance with BAAQMD			
				Condition # 9997, part 10			
	BAAQMD	Y		Resin throughput $\leq 32,000$	BAAQMD	P/D	records
	Condition #			gal/yr and compliance with	Condition #		
	9997, part 3			BAAQMD Condition #	9997, parts 7		
				9997, parts 8 plus 9 or none	plus 11		
				of the above but			
				compliance with BAAQMD			
				Condition # 9997, part 10			
	BAAQMD	Y		POC emissions ≤ 11.008	BAAQMD	P/D	records
	Condition #			tpy and compliance with	Condition #		
	9997, part			BAAQMD Condition #	9997, parts 7		
	10a			9997, part 10b and c	plus 11		

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A Applicable Limits and Compliance Monitoring Requirements S1 – FIBERGLASS OPERATION

			Future		Monitoring	Monitoring	
Type of	Citation of	FE	Effective		Requirement	Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
POC	BAAQMD	Y		Mechanical non-atomized	BAAQMD	P/D	records
	Condition #			application for mechanical	Condition #		
	9997, part			application of catalyzed	9997, parts 7		
	13			resin and chopped glass	plus 11		
				fibers to an open mold			
NPOC	BAAQMD	N		Cleanup solvent ≤ 1,100	BAAQMD	P/D	records
	Condition #			gal/yr and compliance with	Condition #		
	9997, part 5			BAAQMD Condition #	9997, parts 7		
				9997, parts 8 plus 9 or none	plus 11		
				of the above but			
				compliance with BAAQMD			
				Condition # 9997, part 10			
	BAAQMD	N		NPOC emissions ≤ 3.630	BAAQMD	P/D	records
	Condition #			tpy and compliance with	Condition #		
	9997, part			BAAQMD Condition #	9997, parts 7		
	10b			9997, part 10a and c	plus 11		
HAP	40 CFR	Y	April 21,	Open molding – tooling –	40 CFR	P/E	records
	63.5805(a)		2006	with Mechanical resin	63.5810		
				application < 254 lb/ton			
	40 CFR	Y	April 21,	Open molding – tooling –	40 CFR	P/E	records
	63.5805(a)		2006	with Manual resin	63.5810		
				application < 157 lb/ton			
	40 CFR	Y	April 21,	Open molding – low-flame	40 CFR	P/E	records
	63.5805(a)		2006	spread/low-smoke products	63.5810		
				 with Mechanical resin 			
				application < 497 lb/ton			
	40 CFR	Y	April 21,	Open molding – low-flame	40 CFR	P/E	records
	63.5805(a)		2006	spread/low-smoke products	63.5810		
				– with Manual resin			
				application < 238 lb/ton			
	40 CFR	Y	April 21,	Open molding – gel coat:	40 CFR	P/E	records
	63.5805(a)		2006	Tooling gel coating < 437	63.5810		
				lb/ton			

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – A Applicable Limits and Compliance Monitoring Requirements S1 – FIBERGLASS OPERATION

Type of	Citation of	FE	Future Effective		Monitoring Requirement	Monitoring Frequency	Monitoring
Limit	Limit	Y/N	Date	Limit	Citation	(P/C/N)	Type
HAP	40 CFR	Y	April 21,	Open molding – gel coat:	40 CFR	P/E	records
	63.5805(a)		2006	White/off white pigmented	63.5810		
				gel coating < 267 lb/ton			
	40 CFR	Y	April 21,	Open molding – gel coat:	40 CFR	P/E	records
	63.5805(a)		2006	All other pigmented gel	63.5810		
				coating < 377 lb/ton			
TAC	BAAQMD	Y		TAC emissions ≤ TAC risk	BAAQMD	P/D	records
	Condition #			screening level and	Condition #		
	9997, part			compliance with BAAQMD	9997, parts 7		
	10c			Condition # 9997, part 10a	plus 11		
				and b			
Opacity	BAAQMD	Y		Ringelmann 1.0 for < 3	BAAQMD	P/D	Visual Filter
	6-301			minutes/hr	Condition		Inspection
					#9997,		
					part 15		
FP	BAAQMD	Y		0.15 gr/dscf	BAAQMD	P/D	Visual Filter
	6-310				Condition		Inspection
					#9997,		
					part 15		
	BAAQMD	Y		4.10P ^{0.67} lb/hr but not to	BAAQMD	P/D	Visual Filter
	6-311			exceed 40 lb/hr, where P is	Condition		Inspection
				process weight, ton/hr	#9997,		
					part 15		

VIII. TEST METHODS

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

Table VIII Test Methods

Applicable		
Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD	Process Requirements, Monomer	Manual of Procedures, Volume III, Method 39, Determination of
Regulation	Content	Styrene Monomer Content of Polyester Resin Material
8-50-301.1		
BAAQMD	Process Requirements, Vapor	Manual of Procedures, Volume III, Method 23, Determination of
Regulation	Suppressed Resins	Volatile Emissions from Polyester Resins
8-50-301.2		
BAAQMD	Corrosion-resistant Materials	Manual of Procedures, Volume III, Method 23, Determination of
Regulation		Volatile Emissions from Polyester Resins
8-50-304		
BAAQMD	Surface Preparation and Clean-	Manual of Procedures, Volume III, Method 31, Determination of
Regulation	up Solvent, VOC Content	Volatile Organic Compounds in Paint Strippers, Solvent Cleaners,
8-50-305.4		and Low Solids Coatings
BAAQMD	Gel Coat Requirement	Manual of Procedures, Volume III, Method 26, Determination of
Regulation		Volatile Weight Loss of Gel Coats
8-50-307		
40 CFR Part	Determining Vapor Suppressant	Appendix A
63, Subpart	Effectiveness	
wwww,		

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Title V Permit Issuance (Application #7629):

February 18, 2005

XI. GLOSSARY

ACT

Federal Clean Air Act

APCO

Air Pollution Control Officer

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

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

\mathbf{CO}

Carbon Monoxide

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

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, $4.53 ext{ E 6}$ equals $(4.53) ext{ x } (10^6) = (4.53) ext{ x } (10 ext{ x } 10 ext{ x } 10 ext{ x } 10 ext{ x } 10) = 4,530,000$. 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

grains

1/7000 of a pound

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.

Hg

Mercury

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of any regulated air pollutant, (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

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)

NOx

Oxides of nitrogen.

NPOC

Non-Precursor Organic Compound, as defined in BAAQMD Regulation 2, General Requirements, Rule 1, Permits, Section 207

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_2

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, NOx, PM10, and SO2.

PM

Total Particulate Matter

PM10

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

POC

Precursor Organic Compound, as defined in BAAQMD Regulation 2, General Requirements, Rule 1, Permits, Section 208

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

SO2 Bubble

An SO2 bubble is an overall cap on the SO2 emissions from a defined group of sources, or from an entire facility. SO2 bubbles are sometimes used at refineries because combustion sources are typically fired entirely or in part by "refinery fuel gas" (RFG), a waste gas product from refining operations. Thus, total SO2 emissions may be conveniently quantified by monitoring the total amount of RFG that is consumed, and the concentration of H2S and other

X. Glossary

sulfur compounds in the RFG.

THC

Total Hydrocarbons (NMHC + Methane)

therm

100,000 British Thermal Units

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

TSP

Total Suspended Particulate

TVP

True Vapor Pressure

VOC

Volatile Organic Compounds, as defined in BAAQMD Regulation 8, Organic Compounds, Rule 50, Polyester Resin Operations, Section 220

Units of Measure:

US OI IVICE	upur c.	
bbl	=	barrel of liquid (42 gallons)
bhp	=	brake-horsepower
btu	=	British Thermal Unit
C	=	degrees Celsius
F	=	degrees Fahrenheit
f^3	=	cubic feet
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m^2	=	square meter
min	=	minute
M	=	thousand
Mg	=	mega-gram, one thousand grams
μg	=	micro-gram, one millionth of a gram
MM	=	million
mm	=	millimeter
MMbt	u =	million btu
mm Hg	g =	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

Symbols:

<	=	less than
>	=	greater than
<u>≤</u>	=	less than or equal to
<u>></u>	=	greater than or equal to