

FACILITY PERMIT TO OPERATE FABRI-COTE, DIV A & S GLASS FABRICS CO IN

Facility Equipment and Requirements (Section D)

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

**FACILITY PERMIT TO OPERATE
FABRI-COTE, DIV A & S GLASS FABRICS CO IN**

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

Application number	Permit to Operate number	Equipment description
233327	D60922	FABRIC COATING AND CURING SYSTEM
233895	D60923	FABRIC COATING AND CURING SYSTEM
352840	F28408	STORAGE TANK TOLUENE
509434		FABRIC COATING AND CURING SYSTEM

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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FACILITY WIDE CONDITION(S)

Condition(s):

1. EXCEPT FOR OPEN ABRASIVE BLASTING OPERATIONS, THE OPERATOR SHALL NOT DISCHARGE INTO THE ATMOSPHERE FROM ANY SINGLE SOURCE OF EMISSIONS WHATSOEVER ANY AIR CONTAMINANT FOR A PERIOD OR PERIODS AGGREGATING MORE THAN THREE MINUTES IN ANY ONE HOUR WHICH IS:
 - A. AS DARK OR DARKER IN SHADE AS THAT DESIGNATED NO. 1 ON THE RINGELMANN CHART, AS PUBLISHED BY THE UNITED STATES BUREAU OF MINES; OR
 - B. OF SUCH OPACITY AS TO OBSCURE AN OBSERVER'S VIEW TO A DEGREE EQUAL TO OR GREATER THAN DOES SMOKE DESCRIBED IN SUBPARAGRAPH (A) OF THIS CONDITION.
[RULE 401]
2. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS AT THIS PLANT SHALL NOT EXCEED 1,078 POUNDS IN ANY ONE DAY.
[RULE 1303(b)(2)-OFFSET]
3. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOC EMISSIONS. SUCH RECORDS SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]

FACILITY PERMIT TO OPERATE FABRI-COTE, DIV A & S GLASS FABRICS CO IN

PERMIT TO OPERATE

Permit No. D60922
A/N 233327

Equipment Description:

FABRIC COATING AND CURING SYSTEM CONSISTING OF:

1. COATING STATION NO. 1.
2. OVEN NO. 1, CONSERVATHERM, 7'-0" W. X 30'-0" L. X 7'-0" H., WITH TWO 25-HP CIRCULATING FANS.
3. COATING STATION NO. 2.
4. OVEN NO. 2, CONSERVATHERM, 7'-0" W. X 30'-0" L. X 7'-0" H., WITH TWO 25-HP CIRCULATING FANS.
5. OVEN NO. 3, CONSERVATHERM, 7'-0" W. X 30'-0" L. X 7'-0" H., WITH TWO 25-HP CIRCULATING FANS.
6. COOLING ZONE, 7'-0" W. X 10'-0" L. X 7'-0" H., WITH A 5-HP SUPPLY FAN AND A 5-HP EXHAUST FAN.
7. AIR-AIR HEAT EXCHANGER, R. A. NICHOLS ENGINEERING, MODEL RANHX-101, 5'-0" DIA. X 10'-0" L.
8. AIR-OIL HEAT EXCHANGER TANK, 5'-0" DIA. X 20'-0" L.
9. THERMAL LIQUID EXPANSION TANK, 3'-0" DIA. X 6'-0" L., WITH TWO 15-HP PUMPS.
10. AFTERBURNER, 20,000,000 BTU PER HOUR, DIRECT, NATURAL GAS FIRED, WITH A 100- HP EXHAUST BLOWER VENTING ROSS AND CONSERVATHERM COATING STATIONS, COMMON TO BOTH FABRIC COATING AND CURING SYSTEMS.
11. PULL-THROUGH ROLL, WITH TWO 1-1/2 HP DRIVE.
12. REWIND REEL, WITH 7-1/2 HP DRIVE.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

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2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED ONLY TO AN AIR POLLUTION CONTROL EQUIPMENT, WHICH IS IN FULL USE, AND HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1128, 1303(a)(1)-BACT]
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOC EMISSIONS. SUCH RECORDS SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL OPERATE AND MAINTAIN THE AFTERBURNER ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF

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DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS. [RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - A. THE TEST SHALL BE CONDUCTED NO LATER THAN JUNE 18, 2010 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
 - C. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE AFTERBURNER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
 - D. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOS. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
 - E. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765
[RULE 3004(a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 109
VOC:	RULE 1128, SEE APPENDIX B FOR EMISSION LIMITS
VOC:	RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PM: 0.1 GR/SCF, RULE 409
CO: 2000 PPMV, RULE 407
HAP(S): 40 CFR63 SUBPART JJJJ, SEE SECTION J FOR REQUIREMENTS

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PERMIT TO OPERATE

Permit No. D60923
A/N 233895

Equipment Description:

FABRIC COATING AND CURING SYSTEM CONSISTING OF:

1. ROLLER COATER NO. 1, WITH A 1-HP DRIVE.
2. OVEN NO. 1, ROSS 11'-6" W. X 21'-0" L. X 7'-0" H., 1,120,000 BTU PER HOUR, DIRECT, NATURAL GAS FIRED, WITH ONE 20-HP CIRCULATING FAN AND ONE 1-1/2 HP EXHAUST FAN.
3. ROLLER COATER NO. 2, WITH A 1-HP DRIVE.
4. OVEN NO. 2, ROSS, FIRST HEATING SECTION: 12'-4" W. X 34'-10" L. X 7'-0" H., 2,040,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, WITH ONE 25-HP CIRCULATING FAN AND ONE 5-HP EXHAUST FAN; SECOND HEATING SECTION: 12'-4" W. X 29'-6" L. X 7'-0" H., 1,360,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, WITH ONE 25-HP CIRCULATING FAN; AND COOLING SECTION: 12'-4" W. X 15'-3" L. X 7'-0" H., WITH ONE 5-HP AIR INTAKE FAN AND ONE 1-1/2 HP EXHAUST FAN.
5. PULL-THROUGH ROLL, WITH A 1-HP DRIVE.
6. TAKE-UP REEL, WITH A 1-HP DRIVE.
7. REWIND REEL, WITH A 1-HP DRIVE.
8. AFTERBURNER, 20,000,000 BTU PER HOUR, DIRECT, NATURAL GAS FIRED, WITH A 100- HP EXHAUST BLOWER VENTING ROSS AND CONSERVATHERM COATING STATIONS, COMMON TO BOTH FABRIC COATING AND CURING SYSTEMS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. WHEN IN SOLVENT-BASED MODE, THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT, WHICH IS IN FULL USE, AND HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]

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4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOC EMISSIONS. SUCH RECORDS SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]

5. THE OPERATOR SHALL OPERATE AND MAINTAIN THE AFTERBURNER ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

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THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS. [RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

Periodic Monitoring:

6. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
- A. THE TEST SHALL BE CONDUCTED NO LATER THAN JUNE 18, 2010 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
 - C. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE AFTERBURNER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
 - D. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
 - E. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING AND AEROSPACE OPERATIONS, ATTN: AIR QUALITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765
- [RULE 3004(a)(4)]

Emissions And Requirements:

7. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|---------|---|
| VOC: | RULE 109 |
| VOC: | RULE 1128, SEE APPENDIX B FOR EMISSION LIMITS |
| VOC: | RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.1GR/SCF, RULE 409 |
| CO: | 2000 PPMV, RULE 407 |
| HAP(S): | 40 CFR63 SUBPART JJJJ, SEE SECTION J FOR REQUIREMENTS |

**FACILITY PERMIT TO OPERATE
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PERMIT TO OPERATE

**Permit No. F28408
A/N 352840**

Equipment Description:

UNDERGROUND STORAGE TANK, JOOR-DUELWALL, TOLUENE, 9'-6" DIA. X 20'-0" L., 10,000 GALLONS CAPACITY, WITH A VAPOR RETURN.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE SOLVENT VAPOR PRESSURE STORED IN THIS TANK SHALL NOT EXCEED 0.36 PSIA AT AMBIENT TEMPERATURE.
[RULE 1303(b)(2)-OFFSET]
4. A VAPOR RETURN SYSTEM SHALL BE IN USE WHENEVER THIS TANK IS BEING LOADED OR UNLOADED.
[RULE 1303(a)(1)-BACT]

FACILITY PERMIT TO OPERATE FABRI-COTE, DIV A & S GLASS FABRICS CO IN

PERMIT TO CONSTRUCT

Application No. 509434
Granted xx/xx/2010

Equipment Description:

MODIFICATION TO AN EXISTING FABRIC COATING AND CURING SYSTEM (PREVIOUS P/O D60923, A/N 233895) CONSISTING OF:

1. ROLLER COATER NO. 1, WITH A 1-HP DRIVE.
2. OVEN NO. 1, ROSS 11'-6" W. X 21'-0" L. X 7'-0" H., 1,120,000 BTU PER HOUR, DIRECT, NATURAL GAS FIRED, WITH ONE 20-HP CIRCULATING FAN AND ONE 1-1/2 HP EXHAUST FAN.
3. ROLLER COATER NO. 2, WITH A 1-HP DRIVE.
4. OVEN NO. 2, ROSS, FIRST HEATING SECTION: 12'-4" W. X 34'-10" L. X 7'-0" H., 2,040,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, WITH ONE 25-HP CIRCULATING FAN AND ONE 5-HP EXHAUST FAN; SECOND HEATING SECTION: 12'-4" W. X 29'-6" L. X 7'-0" H., 1,360,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, WITH ONE 25-HP CIRCULATING FAN; AND COOLING SECTION: 12'-4" W. X 15'-3" L. X 7'-0" H., WITH ONE 5-HP AIR INTAKE FAN AND ONE 1-1/2 HP EXHAUST FAN.
5. PULL-THROUGH ROLL, WITH A 1-HP DRIVE.
6. TAKE-UP REEL, WITH A 1-HP DRIVE.
7. REWIND REEL, WITH A 1-HP DRIVE.
8. AFTERBURNER, 20,000,000 BTU PER HOUR, DIRECT, NATURAL GAS FIRED, WITH A 100- HP EXHAUST BLOWER VENTING ROSS AND CONSERVATHERM COATING STATIONS, COMMON TO BOTH FABRIC COATING AND CURING SYSTEMS.

BY THE REMOVAL OF;

ONE 1,120,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED BURNER FOR OVEN NO. 1.

ONE 2,040,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED BURNER FOR THE FIRST HEATING ZONE IN OVEN NO. 2.

ONE 1,360,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED BURNER FOR THE SECOND HEATING ZONE IN OVEN NO. 2.

AND THE ADDITION OF;

ONE 1,650,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, MAXON, LN-4, LOW-NOX BURNER FOR OVEN NO. 1.

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ONE 1,100,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, MAXON, LN-4, LOW-NOX BURNER FOR THE FIRST HEATING ZONE IN OVEN NO. 2.

ONE 2,200,000 BTU PER HOUR, DIRECT NATURAL GAS FIRED, MAXON, LN-4, LOW-NOX BURNER FOR THE SECOND HEATING ZONE IN OVEN NO. 2.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. WHEN IN SOLVENT-BASED MODE, THIS EQUIPMENT SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AN AIR POLLUTION CONTROL EQUIPMENT, WHICH IS IN FULL USE, AND HAS BEEN ISSUED AN OPERATING PERMIT BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO VERIFY DAILY USAGE AND DAILY VOC EMISSIONS. SUCH RECORDS SHALL BE MAINTAINED FOR A PERIOD OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 109, 1303(b)(2)-OFFSET]
5. THE OVENS SHALL EMIT NO MORE THAN 30 PPM OF OXIDES OF NITROGEN (NO_x), AND 75 PPM CARBON MONOXIDE (CO) MEASURED BY VOLUME ON A DRY BASIS AT 3% O₂.
[Rule 1147, 1303(a)(1)-BACT]
6. THIS OVENS SHALL BE SOURCE TESTED UNDER FOLLOWING CONDITIONS:

THE TEST SHALL BE CONDUCTED PURSUANT TO A SOURCE TEST PROTOCOL THAT SHALL BE SUBMITTED TO THE DISTRICT. THE PROTOCOL SHALL BE APPROVED IN WRITING BY THE DISTRICT BEFORE THE TEST COMMENCES, INCLUDE COMPLETED DISTRICT FORMS ST-1 AND ST-2, IDENTIFY THE TESTING LAB, INCLUDE A STATEMENT FROM THE LAB CERTIFYING IT MEETS DISTRICT RULE 304(K) AND INCLUDE A DESCRIPTION OF THE SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.

THE TEST SHALL BE CONDUCTED AND A WRITTEN REPORT SUBMITTED TO THE ENGINEER IDENTIFIED ON THE PERMIT TO CONSTRUCT WITHIN 60 DAYS AFTER START-UP.

THE TEST SHALL BE CONDUCTED TO DETERMINE OXIDES OF NITROGEN, CARBON MONOXIDE, OXYGEN CONTENT, MOISTURE CONTENT, FLOW RATE AND TEMPERATURE AT THE EXHAUST OF THE OVENS BY USING DISTRICT METHOD 100.1 OR OTHER APPROVED METHODS AS SPECIFIED IN RULE 1147 WHEN THE OVEN IS OPERATING AT MAXIMUM, MINIMUM, AND AVERAGE LOAD. THE SAMPLING TIME AT EACH LOAD SHALL BE AT A MINIMUM OF 15 CONSECUTIVE MINUTES.

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THE DISTRICT SHALL BE NOTIFIED OF THE DATE AND TIME OF THE TEST AT LEAST 14 DAYS PRIOR TO THE TEST.

THE TEST SHALL BE CONDUCTED BY A TESTING LAB CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD IN THE REQUIRED TEST METHODS FOR CRITERIA POLLUTANTS TO BE MEASURED AND IN COMPLIANCE WITH DISTRICT RULE 304 (NO CONFLICT OF INTEREST).

THE TEST REPORT SHALL ALSO INCLUDE OPERATING CONDITIONS OF THE OVEN DURING THE TEST; AND THE FUEL FLOW RATE AT EACH LOAD. THE REPORT SHALL ALSO PRESENT THE EMISSIONS DATA IN UNITS OF POUNDS PER HOUR (LB/HR) AND PARTS PER MILLION (PPM), ON A DRY BASIS AT 3% O₂.

THE TEST SHALL BE CONDUCTED USING SAMPLING FACILITIES THAT COMPLY WITH DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 1147]

7. THE OPERATOR SHALL OPERATE AND MAINTAIN THE AFTERBURNER ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE COMBUSTION CHAMBER TEMPERATURE SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

THE OPERATOR SHALL OPERATE AND MAINTAIN A TEMPERATURE MEASURING AND RECORDING SYSTEM TO CONTINUOUSLY MEASURE AND RECORD THE COMBUSTION CHAMBER TEMPERATURE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN 1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A COMBUSTION CHAMBER TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION OF THE EQUIPMENT IT SERVES. THE OPERATOR SHALL REVIEW THE RECORDS OF THE COMBUSTION CHAMBER TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

WHENEVER A DEVIATION OCCURS, THE OPERATOR SHALL INSPECT THIS EQUIPMENT TO IDENTIFY THE CAUSE OF SUCH A DEVIATION, TAKE IMMEDIATE CORRECTIVE ACTION TO MAINTAIN THE COMBUSTION CHAMBER TEMPERATURE AT OR ABOVE 1,400 DEGREES FAHRENHEIT, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE AQMD PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT. THE REPORT SHALL INCLUDE THE TOTAL OPERATING TIME OF THIS EQUIPMENT AND THE TOTAL ACCUMULATED DURATION OF ALL DEVIATIONS FOR EACH SEMI-

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ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT.

THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE AQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS. [RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING, 40CFR PART 64]

Periodic Monitoring:

8. THE OPERATOR SHALL CONDUCT SOURCE TEST(S) IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
 - A. THE TEST SHALL BE CONDUCTED NO LATER THAN JUNE 18, 2010 UNLESS OTHERWISE APPROVED IN WRITING BY THE DISTRICT.
 - B. THE TEST SHALL BE CONDUCTED TO DETERMINE THE VOC EMISSIONS USING AN APPROVED DISTRICT METHOD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE PERMIT CONDITION(S), RULES AND REGULATIONS.
 - C. THE SOURCE TEST SHALL BE CONDUCTED WHILE THE AFTERBURNER IS OPERATING AT A TEMPERATURE OF NOT LESS THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT. IF THE OPERATING TEMPERATURE DURING THE SOURCE TEST IS GREATER THAN THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT, THE MINIMUM OPERATING TEMPERATURE SPECIFIED IN THIS PERMIT MAY BE INCREASED TO REFLECT THE OPERATING TEMPERATURE DURING THE SOURCE TEST.
 - D. THE OPERATOR SHALL COMPLY WITH ADMINISTRATIVE CONDITIONS NOs. 8, 9, AND 10 OF SECTION E OF THIS FACILITY PERMIT.
 - E. THE OPERATOR SHALL SUBMIT TWO COMPLETE COPIES OF THE SOURCE TEST REPORT SPECIFIED IN CONDITION NO. 9 OF SECTION E OF THIS FACILITY PERMIT TO THE DISTRICT ENGINEERING AND COMPLIANCE DIVISION. THE ENGINEERING COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, COATING, PRINTING AND AEROSPACE OPERATIONS, ATTN: AIR QAULITY AND COMPLIANCE SUPERVISOR, 21865 COPLEY DRIVE, DIAMOND BAR, CA 91765. THE COMPLIANCE COPY OF THE REPORT SHALL BE SENT TO: SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT, P.O. BOX 4941, DIAMOND BAR, CA 91765
- [RULE 3004(a)(4)]

Emissions and Requirements:

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9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109
VOC: RULE 1128, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: 0.1GR/SCF, RULE 409
CO: 2000 PPMV, RULE 407
HAP(S): 40 CFR63 SUBPART JJJJ, SEE SECTION J FOR REQUIREMENTS

FACILITY PERMIT TO OPERATE FABRI-COTE, DIV A & S GLASS FABRICS CO IN

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, AND (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, AND (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

FACILITY PERMIT TO OPERATE FABRI-COTE, DIV A & S GLASS FABRICS CO IN

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, BATCH MIXERS WITH BRIMFUL CAPACITY OF 55 GALLONS OR LESS.

Emissions And Requirements:

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1128, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS