

## **FACILITY PERMIT TO OPERATE**

**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS  
1462 & 1481 E NINTH ST  
POMONA, CA 91766**

### **NOTICE**

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

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

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	DRAFT	05/17/2008
B	RECLAIM Annual Emission Allocation	DRAFT	05/17/2008
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	05/17/2008
E	Administrative Conditions	DRAFT	05/17/2008
F	RECLAIM Monitoring and Source Testing Requirements	DRAFT	05/17/2008
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	DRAFT	05/17/2008
H	Permit To Construct and Temporary Permit to Operate	DRAFT	05/17/2008
I	Compliance Plans & Schedules	DRAFT	05/17/2008
J	Air Toxics	DRAFT	05/17/2008
K	Title V Administration	DRAFT	05/17/2008
Appendix			
A	NO <sub>x</sub> and SO <sub>x</sub> Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	DRAFT	05/17/2008
B	Rule Emission Limits	DRAFT	05/17/2008

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION A: FACILITY INFORMATION**

LEGAL OWNER &/OR OPERATOR: G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS  
LEGAL OPERATOR (if different than owner):  
EQUIPMENT LOCATION: 1462 & E NINTH ST  
POMONA, CA 91766-3833  
MAILING ADDRESS: 1462 E NINTH ST  
POMONA, CA 91766  
RESPONSIBLE OFFICIAL: CASEY LOYD  
TITLE: PRESIDENT/CEO  
TELEPHONE NUMBER: (909) 623-8781  
CONTACT PERSON: CASEY LOYD  
TITLE: PRESIDENT/CEO  
TELEPHONE NUMBER: (909) 623-8781  
TITLE V PERMIT ISSUED: July 28, 2003  
TITLE V PERMIT EXPIRATION DATE: July 27, 2008

TITLE V	RECLAIM
YES	NOx: NO SOx: NO CYCLE: 0 ZONE: COASTAL

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION B: RECLAIM Annual Emission Allocation**

**NOT APPLICABLE**

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**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 G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMITTED EQUIPMENT LIST

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

<b>Application number</b>	<b>Permit to Operate number</b>	<b>Equipment description</b>
428740	F83466	SPRAY BOOTH STYRENATED RESINS
428758	F83467	SPRAY BOOTH STYRENATED RESINS
428759	F83468	SPRAY BOOTH STYRENATED RESINS
428760	F83476	RESIN MIXER
428761	F83471	SPRAY BOOTH BILLIARDS
428762	F83472	SPRAY BOOTH ENAMEL NO. 1
428763	F83474	SPRAY BOOTH ENAMEL NO. 2
428765	F83475	SPRAY BOOTH STUCCO

**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.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### 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. MATERIAL SAFETY DATA SHEETS FOR ALL MATERIALS USED AT THIS FACILITY SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET, 1401]
  
3. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THE USE OF ALL VOC-CONTAINING MATERIALS IN EQUIPMENT OR PROCESSES SUBJECT TO RULE 442 AT THIS FACILITY SHALL NOT EXCEED 833 POUNDS IN ANY ONE CALENDAR MONTH. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH CALENDAR MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE CALENDAR MONTH FROM ALL EQUIPMENT AND OPERATIONS SUBJECT TO RULE 442 AT THE FACILITY.  
[RULE 442]
  
4. TO ENSURE COMPLIANCE WITH THE EMISSION CAPS OF THIS PERMIT, THE OPERATOR SHALL:
  - A. COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).
  - B. KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY THE VOC EMISSIONS IN POUNDS AND THE VOC CONTENT OF EACH MATERIAL AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.
  - C. MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC-CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.
  - D. RETAIN ALL PURCHASE INVOICES FOR ALL VOC-CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC-CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

5. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT, SHALL BE RETAINED AT THE FACILITY FOR 5 YEARS, AND SHALL BE MADE AVAILABLE TO ANY DISTRICT REPRESENTATIVE UPON REQUEST.  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

Permit No. F83466  
A/N 428740

#### Equipment Description:

SPRAY BOOTH A, FIBERGLASS-RESIN, FLOOR-FILTER TYPE, 30'-0" W. x 4'-0" D. x 10'-0" H., WITH THIRTY-FOUR 20 INCH X 25 INCH EXHAUST FILTERS, AND THREE 2 H.P. EXHAUST FANS.

#### 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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL COMPLY WITH ALL REQUIREMENTS SPECIFIED IN APPENDIX B OF THIS FACILITY PERMIT UNDER RULE 1132(d)(1). FOR THE PURPOSE OF VOC EMISSION REDUCTION CALCULATIONS, THE SUMMATION OF THE PRODUCTS OF USAGE FACTORS ( $f$ ) AND APPROVED EMISSION FACTORS ( $U$ ) FOR ALL RESINS AND GEL COATS THAT WERE USED IN THIS FACILITY DURING CALENDAR YEAR 2000 (BASELINE)

$$\left[ \sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j \right] \text{ SHALL NOT EXCEED 278 POUNDS OF VOC PER TON OF RESIN/GEL COAT.}$$

[RULE 1132]

#### Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

[RULE 3004 (a)(4)]

7. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

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

VOC: RULE 109

VOC: RULE 1132, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

HAP: 40 CFR 63 SUBPART WWW, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

Permit No. F83467  
A/N 428758

#### Equipment Description:

SPRAY BOOTH C, FIBERGLASS-RESIN, FLOOR-FILTER TYPE, 40'-0" W. x 4'-0" D. x 10'-0" H., WITH FORTY-SIX 20 INCH X 25 INCH EXHAUST FILTERS, AND FOUR 2 H.P. EXHAUST FANS.

#### 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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL COMPLY WITH ALL REQUIREMENTS SPECIFIED IN APPENDIX B OF THIS FACILITY PERMIT UNDER RULE 1132(d)(1). FOR THE PURPOSE OF VOC EMISSION REDUCTION CALCULATIONS, THE SUMMATION OF THE PRODUCTS OF USAGE FACTORS ( $f$ ) AND APPROVED EMISSION FACTORS ( $U$ ) FOR ALL RESINS AND GEL COATS THAT WERE USED IN THIS FACILITY DURING CALENDAR YEAR 2000 (BASELINE)

$$\left[ \sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j \right] \text{ SHALL NOT EXCEED 278 POUNDS OF VOC PER TON OF RESIN/GEL COAT.}$$

[RULE 1132]

#### Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

[RULE 3004 (a)(4)]

7. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

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

VOC: RULE 109

VOC: RULE 1132, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

HAP: 40 CFR 63 SUBPART WWW, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

Permit No. F83468  
A/N 428759

#### Equipment Description:

SPRAY BOOTH B, FIBERGLASS-RESIN, FLOOR-FILTER TYPE, 30'-0" W. x 4'-0" D. x 10'-0" H., WITH THIRTY-FOUR 20 INCH X 25 INCH EXHAUST FILTERS, AND THREE 2 H.P. EXHAUST FANS.

#### 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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL COMPLY WITH ALL REQUIREMENTS SPECIFIED IN APPENDIX B OF THIS FACILITY PERMIT UNDER RULE 1132(d)(1). FOR THE PURPOSE OF VOC EMISSION REDUCTION CALCULATIONS, THE SUMMATION OF THE PRODUCTS OF USAGE FACTORS ( $f$ ) AND APPROVED EMISSION FACTORS ( $U$ ) FOR ALL RESINS AND GEL COATS THAT WERE USED IN THIS FACILITY DURING CALENDAR YEAR 2000 (BASELINE)

$$\left[ \sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j \right] \text{ SHALL NOT EXCEED 278 POUNDS OF VOC PER TON OF RESIN/GEL COAT.}$$

[RULE 1132]

#### Periodic Monitoring:

6. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

[RULE 3004 (a)(4)]

7. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

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

VOC: RULE 109

VOC: RULE 1132, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

HAP: 40 CFR 63 SUBPART WWW, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

**Permit No. F83476**  
**A/N 428760**

**Equipment Description:**

MIXER, POLYESTER-CALCIUM CARBONATE BLENDING, 3'-9" DIA., X 2'-11" H., 2550 POUNDS BATCH CAPACITY.

**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. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS AS IDENTIFIED IN RULE 1401, TABLE I WITH AN EFFECTIVE DATE OF AUGUST 18, 2000 OR EARLIER WITH THE EXCEPTION OF STYRENE (CAS # 100-42-5).  
[RULE 1401]
4. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS AND THE BILLIARDS SPRAY BOOTH UNDER A/N 428761 SHALL NOT EXCEED 510 POUNDS IN ANY CALENDAR MONTH. THE VOC EMISSIONS FROM THE USE OF RESIN IN HAND LAY-UP OPERATIONS SHALL BE CALCULATED USING AN EMISSION FACTOR OF 53 POUNDS VOC/TON OF RESIN.  
[RULE 1303(b)(2)-OFFSET, 1401]
5. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS, THE BILLIARDS SPRAY BOOTH UNDER A/N 428761, THE ENAMEL SPRAY BOOTHS UNDER A/NS 428762 AND 428763 AND THE STUCCO SPRAY BOOTH UNDER A/N 428765 COMBINED SHALL NOT EXCEED 690 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET, 1401]
6. THE MAXIMUM STYRENE CONTENT IN THE RESIN USED IN HAND LAY-UP OPERATIONS SHALL NOT EXCEED 21% BY WEIGHT AFTER MIXING WITH FILLER.  
[RULE 1303(b)(2)-OFFSET, 1401]
7. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT AND ASSOCIATED HAND LAY-UP OPERATIONS TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND THE APPROPRIATE EMISSION FACTOR OR VOC CONTENT OF EACH

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

MATERIAL IN POUNDS PER GALLON AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.

[RULE 109, 1303(b)(2)-OFFSET]

8. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE COVERED UNDER THE MONTHLY LIMITS. THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]
9. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

11. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS.

IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED THAT LAST MORE THAN THREE MINUTES IN ANY ONE-HOUR, THE OPERATOR SHALL VERIFY AND CERTIFY WITHIN 24 HOURS THAT THE EQUIPMENT CAUSING THE EMISSION AND ANY ASSOCIATED AIR POLLUTION CONTROL EQUIPMENT ARE OPERATING NORMALLY ACCORDING TO THEIR DESIGN AND STANDARD PROCEDURES AND UNDER THE SAME CONDITIONS UNDER WHICH COMPLIANCE WAS ACHIEVED IN THE PAST, AND EITHER:

- A. TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT; OR
- B. HAVE A CARB-CERTIFIED SMOKE READER DETERMINE COMPLIANCE WITH THE OPACITY STANDARD, USING EPA METHOD 9 OR THE PROCEDURES IN THE CARB MANUAL "VISIBLE EMISSION EVALUATION", WITHIN THREE BUSINESS DAYS AND REPORT ANY DEVIATIONS TO AQMD.

THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

- A. STACK OR EMISSION POINT IDENTIFICATION;
- B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS;
- C. DATE AND TIME VISIBLE EMISSION WAS ABATED; AND
- D. VISIBLE EMISSION OBSERVATION RECORDED BY A CERTIFIED SMOKE READER.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

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

VOC: RULE 109  
VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS  
HAP: 40 CFR 63 SUBPART WWWW, SEE SECTION J FOR REQUIREMENTS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

Permit No. F83471  
A/N 428761

#### Equipment Description:

BILLIARDS SPRAY BOOTH, FLOOR TYPE, 16'-4" W. X 33'-9" D. X 8'-2" H., WITH THIRTY 20" X 20" EXHAUST FILTERS, AND TWO 5 HP EXHAUST FANS.

#### 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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS AS IDENTIFIED IN RULE 1401, TABLE I WITH AN EFFECTIVE DATE OF AUGUST 18, 2000 OR EARLIER WITH THE EXCEPTION OF TOLUENE (CAS # 108-88-3), XYLENE (CAS # 1330-20-7), ETHYLENE GLYCOL (CAS # 107-21-1), METHYL ETHYL KETONE (CAS # 78-93-3), AND METHANOL (CAS # 67-56-1).  
[RULE 1401]
6. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS SPRAY BOOTH (BILLIARDS), AND THE POLYESTER RESIN MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS UNDER A/N 428760 SHALL NOT EXCEED 510 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1301(b)(2)-OFFSET]
7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS SPRAY BOOTH (BILLIARDS), THE POLYESTER RESIN MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS UNDER A/N 428760, THE TWO ENAMEL SPRAY BOOTHS UNDER A/NS 428762, 428763 AND THE STUCCO SPRAY BOOTH UNDER A/N 428765 COMBINED SHALL NOT EXCEED 690 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

8. THE VOC CONTENT OF THE COATINGS USED IN THIS SPRAY BOOTH SHALL NOT EXCEED THE FOLLOWING LIMITS:

COATING	VOC CONTENT LIMIT		
	lb/gal (g/l) coating, less water and exempt compounds	OR	lb VOC/lb solids
CLEAR TOPCOAT	2.58 (310)	OR	0.48
CLEAR SEALER	2.57 (308)	OR	0.49
PIGMENTED TOPCOAT	2.66 (319)	OR	0.39
PIGMENTED PRIMERS, SEALERS	2.73 (327)	OR	0.37
HIGH SOLIDS STAINS (> 1 LB SOLIDS/GAL MATERIAL)	2.94 (353)	OR	0.43

COATING	VOC CONTENT LIMIT lb/gal (g/l) material, including water & exempt compounds
LOW SOLIDS STAINS, TONERS & WASHCOATS ( $\leq$ 1 LB SOLIDS/GAL MATERIAL)	1.4 (168)

[RULE 1132]

9. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND VOC CONTENT OF EACH MATERIAL IN POUNDS PER GALLON AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
 [RULE 109, 1303(b)(2)-OFFSET]
10. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE COVERED UNDER THE MONTHLY LIMITS. THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
 [RULE 109, 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
 [RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

12. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

13. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
14. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a)(4)]

### **Emissions And Requirements:**

15. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 109
  - VOC: RULE 1132
  - VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS
  - VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 481
  - PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

**Permit No. F83472**  
**A/N 428762**

#### **Equipment Description:**

ENAMEL SPRAY BOOTH #1, FLOOR TYPE, SPRAY SYSTEMS INC., MODEL NO. 1-18810-C, 13'-8" W. X 19'-4" D. X 7'-10" H., WITH THIRTY-TWO 20" X 25" EXHAUST FILTERS, AND ONE 3 HP EXHAUST FAN.

#### **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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. THE VOC CONTENT OF THE COATINGS USED IN THIS SPRAY BOOTH SHALL NOT EXCEED THE FOLLOWING LIMITS:

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

COATING	VOC CONTENT LIMIT		
	lb/gal (g/l) coating, less water and exempt compounds	OR	lb VOC/lb solids
CLEAR TOPCOAT	2.58 (310)	OR	0.48
CLEAR SEALER	2.57 (308)	OR	0.49
PIGMENTED TOPCOAT	2.66 (319)	OR	0.39
PIGMENTED PRIMERS, SEALERS	2.73 (327)	OR	0.37
HIGH SOLIDS STAINS (> 1 LB SOLIDS/GAL MATERIAL)	2.94 (353)	OR	0.43

COATING	VOC CONTENT LIMIT lb/gal (g/l) material, including water & exempt compounds
LOW SOLIDS STAINS, TONERS & WASHCOATS (≤ 1 LB SOLIDS/GAL MATERIAL)	1.4 (168)

[RULE 1132]

6. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS SPRAY BOOTH, THE POLYESTER RESIN MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS UNDER A/N 428760 AND THE BILLIARDS SPRAY BOOTH UNDER A/N 428761, THE ENAMEL SPRAY BOOTH UNDER A/N 428763 AND THE STUCCO SPRAY BOOTH UNDER A/N 428765 COMBINED SHALL NOT EXCEED 690 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET, 1401]
  
7. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND VOC CONTENT OF EACH MATERIAL IN POUNDS PER GALLON AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
  
8. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE COVERED UNDER THE MONTHLY LIMITS. THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

9. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

11. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
  - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a)(4)]
12. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTERS ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIRMENTS OF THE FOLLOWING RULES AND REGULATIONS:  

VOC: RULE 109  
VOC: RULE 1132  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

**Permit No. F83474  
 A/N 428763**

**Equipment Description:**

ENAMEL SPRAY BOOTH #2, FLOOR TYPE, SPRAY SYSTEMS INC., MODEL NO. 1-18810-C, 13'-8" W. X 19'-4" D. X 7'-10" H., WITH THIRTY-TWO 20" X 25" EXHAUST FILTERS, AND ONE 3 HP EXHAUST FAN.

**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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST 2 INCHES THICK.  
 [RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
 [RULE 1303(a)(1)-BACT]
5. THE VOC CONTENT OF THE COATINGS USED IN THIS SPRAY BOOTH SHALL NOT EXCEED THE FOLLOWING LIMITS:

COATING	VOC CONTENT LIMIT		
	lb/gal (g/l) coating, less water and exempt compounds	OR	lb VOC/lb solids
CLEAR TOPCOAT	2.58 (310)	OR	0.48
CLEAR SEALER	2.57 (308)	OR	0.49
PIGMENTED TOPCOAT	2.66 (319)	OR	0.39
PIGMENTED PRIMERS, SEALERS	2.73 (327)	OR	0.37
HIGH SOLIDS STAINS (> 1 LB SOLIDS/GAL MATERIAL)	2.94 (353)	OR	0.43

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

COATING	VOC CONTENT LIMIT lb/gal (g/l) material, including water & exempt compounds
LOW SOLIDS STAINS, TONERS & WASHCOATS ( $\leq$ 1 LB SOLIDS/GAL MATERIAL)	1.4 (168)

[RULE 1132]

6. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS SPRAY BOOTH, THE POLYESTER RESIN MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS UNDER A/N 428760, THE BILLIARDS SPRAY BOOTH UNDER A/N 428761, THE ENAMEL SPRAY BOOTH UNDER A/N 428762 AND THE STUCCO SPRAY BOOTH UNDER A/N 428765 COMBINED SHALL NOT EXCEED 690 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1303(b)(2)-OFFSET, 1401]
  
7. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND VOC CONTENT OF EACH MATERIAL IN POUNDS PER GALLON AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
  
8. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE COVERED UNDER THE MONTHLY LIMITS. THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]
  
9. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
  
10. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

**Periodic Monitoring:**

11. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
- B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
- C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.

[RULE 3004 (a) (4)]

12. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTERS ONCE EVERY WEEK.

[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIRMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 109

VOC: RULE 1132

VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 481

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### PERMIT TO OPERATE

**Permit No. F83475  
A/N 428765**

#### **Equipment Description:**

STUCCO SPRAY BOOTH, FLOOR TYPE, 9'-11" W. X 13'-8" D. X 8'-1" H., WITH SIXTEEN 20" X 25" EXHAUST FILTERS, AND ONE 2 HP EXHAUST FAN.

#### **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. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.  
[RULE 1303(a)(1)-BACT]
4. A GAUGE SHALL BE INSTALLED TO INDICATE, IN INCHES OF WATER, THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.  
[RULE 1303(a)(1)-BACT]
5. MATERIALS USED IN THIS EQUIPMENT SHALL NOT CONTAIN ANY TOXIC AIR CONTAMINANTS AS IDENTIFIED IN RULE 1401, TABLE I WITH AN EFFECTIVE DATE OF MAY 2, 2003 OR EARLIER WITH THE EXCEPTION OF AMMONIA (CAS # 7664-41-7).  
[RULE 1401]
6. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED 12 POUNDS PER DAY. FOR THE PURPOSE OF THIS CONDITION AND FOR EXEMPTION UNDER RULE 1132(h)(2), THE VOC EMISSIONS FROM THIS EQUIPMENT SHALL BE DEFINED AS A MONTHLY AVERAGE FOR EACH CALENDAR MONTH, CALCULATED BY DIVIDING THE TOTAL EMISSIONS FROM THIS EQUIPMENT FOR THE CALENDAR MONTH BY THE NUMBER OF CALENDAR DAYS IN THAT MONTH. IF THE RECORDS GENERATED AFTER THE END OF ANY CALENDAR MONTH SHOW THAT THE VOC EMISSIONS FROM THIS EQUIPMENT FOR THE CALENDAR MONTH EXCEED THE EMISSION CAP OF THIS CONDITION, THE OPERATOR SHALL SUBMIT THE APPROPRIATE APPLICATIONS AND ACHIEVE COMPLIANCE PURSUANT TO THE REQUIREMENTS SPECIFIED IN RULE 1132. EXCEEDANCE OF THE VOC EMISSION LIMIT OF THIS CONDITION SHALL NOT SUBJECT THIS EQUIPMENT TO NEW SOURCE REVIEW REQUIREMENTS IF THE OPERATOR COMPLIES WITH ALL OTHER PERMIT CONDITIONS THAT ARE APPLICABLE TO SUCH EQUIPMENT.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

[RULE 1132]

7. THE TOTAL QUANTITY OF VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS FROM THIS SPRAY BOOTH, THE POLYESTER RESIN MIXER AND ASSOCIATED HAND LAY-UP RESIN OPERATIONS UNDER A/N 428760, THE BILLIARDS SPRAY BOOTH UNDER A/N 428761 AND THE ENAMEL SPRAY BOOTHS UNDER A/NS 428762 AND 428763 COMBINED SHALL NOT EXCEED 690 POUNDS IN ANY CALENDAR MONTH.  
[RULE 1303(b) (2)-OFFSET, 1401]
8. IN ADDITION TO THE RECORD KEEPING REQUIREMENTS IN RULE 109, THE OPERATOR SHALL KEEP ADEQUATE RECORDS FOR THIS EQUIPMENT TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUNDS (VOC) EMISSIONS IN POUNDS AND VOC CONTENT OF EACH MATERIAL IN POUNDS PER GALLON AS APPLIED, INCLUDING WATER AND EXEMPT COMPOUNDS.  
[RULE 109, 1303(b)(2)-OFFSET]
9. WITHIN 14 CALENDAR DAYS AFTER THE END OF EACH MONTH, THE OPERATOR SHALL TOTAL AND RECORD VOC EMISSIONS FOR THE MONTH FROM ALL EQUIPMENT AND OPERATIONS THAT ARE COVERED UNDER THE MONTHLY LIMITS. THE RECORDS SHALL INCLUDE ANY PROCEDURES USED TO ACCOUNT FOR CONTROL DEVICE EFFICIENCIES AND/OR WASTE DISPOSAL. IT SHALL BE SIGNED AND CERTIFIED FOR ACCURACY BY THE HIGHEST RANKING INDIVIDUAL RESPONSIBLE FOR COMPLIANCE WITH DISTRICT RULES.  
[RULE 109, 1303(b)(2)-OFFSET]
10. THE OPERATOR SHALL MAINTAIN A SINGLE LIST WHICH INCLUDES ONLY THE NAME AND ADDRESS OF EACH PERSON FROM WHOM THE FACILITY ACQUIRED VOC CONTAINING MATERIAL REGULATED BY THE DISTRICT THAT WAS USED OR STORED AT THE FACILITY DURING THE PRECEDING 12 MONTHS.  
[RULE 109, 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL RETAIN ALL PURCHASE INVOICES FOR ALL VOC CONTAINING MATERIAL USED OR STORED AT THE FACILITY, AND ALL WASTE MANIFESTS FOR ALL WASTE VOC CONTAINING MATERIAL REMOVED FROM THE FACILITY.  
[RULE 109, 1303(b)(2)-OFFSET]

### **Periodic Monitoring:**

12. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.  
[RULE 3004 (a)(4)]
13. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
  - A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
  - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.  
[RULE 3004 (a)(4)]

### **Emissions And Requirements:**

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

VOC: RULE 109  
VOC: RULE 1132  
VOC: RULE 442  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS  
PM: RULE 481  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### 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 REGULATIONS:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **RULE 219 EQUIPMENT**

#### **Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, ADHESIVE OPERATIONS, LOW USE OR EMISSIONS.

#### **Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1168, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **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 REGULATIONS:

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, BOILER, > 400,000 BTU/HR BUT < 2 MMBTU/HR.

**Emissions And Requirements:**

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

PM: 0.1 gr/scf, RULE 409  
NOx: 30 PPMV, RULE 1146.2  
CO: 400 PPMV, RULE 1146.2  
CO: 2000 PPMV, RULE 407

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND LAY, BRUSH AND ROLL UP RESIN OPERATIONS.

**Emissions And Requirements:**

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

VOC: RULE 1162, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, PRINTING EQUIPMENT, LOW USE OR EMISSIONS, WITH RELATED COATING, LAMINATING AND DRYING EQUIPMENT.

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1130, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### **RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS

**Emissions And Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 1107, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1136, SEE APPENDIX B FOR EMISSION LIMITS  
VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

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

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

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statues of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least five years. [204]

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION E: ADMINISTRATIVE CONDITIONS**

7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
  - d. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
  - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]
  - f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
  
8. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.
  - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION E: ADMINISTRATIVE CONDITIONS**

- e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (conflict of interest).
9. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which the test was performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts and stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream)
  - e. Field and laboratory data forms, strip charts and analyses.
  - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
11. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION F: RECLAIM Monitoring and Source Testing Requirements

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION G: Recordkeeping and Reporting Requirements for RECLAIM Sources

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

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

See Section D of this permit for any Permit to Construct issued to this facility.

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION I: PLANS AND SCHEDULES**

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

NONE

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

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION J: AIR TOXICS**  
**[40CFR 63 Subpart WWWW 4-21-2003]**

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR  
REINFORCED PLASTIC COMPOSITES PRODUCTION.

1. The operator shall comply with all applicable requirements of 40 CFR 63, Subpart WWWW – National Emission Standards for Reinforced Plastic Composites Production and 40 CFR 63, Subpart A - General Provisions by the compliance dates that are specified in these subparts.
2. The operator shall determine the appropriate organic HAP emission factors and calculate the facility's organic HAP emissions from all reinforced plastic composites production operations pursuant to Section 63.5796, 63.5797, 63.5798, and 63.5799.
3. The operator shall comply with all applicable requirements of this subpart by the compliance dates that are specified in Section 63.5800.
4. The operator shall comply with all applicable standards specified in Section 63.5805 by using one of the options identified in Section 63.5810, 63.5820, or 63.5830 for each reinforced plastic composites production operation.
5. The operator shall comply with all applicable work practice standards and startup, shutdown, and malfunction requirements pursuant to Section 63.5835.
6. The operator shall conduct all performance tests, performance evaluations, design evaluations, capture efficiency testing, and other compliance demonstrations that are required by this subpart pursuant to Section 63.5840, 63.5845, 63.5850, 63.5855, and 63.5860.
7. For continuous lamination/casting operations, the operator shall comply with all applicable requirements of emission factor, percent reduction, and capture efficiency calculations procedures pursuant to Section 63.5865, 63.5870, 63.5875, 63.5880, 63.5885, and 63.5890.
8. The operator shall monitor and collect all required data pursuant to Section 63.5895 and demonstrate continuous compliance with all standards specified in Section 63.5805 pursuant to Section 63.5900.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION J: AIR TOXICS**  
**[40CFR 63 Subpart WWWW 4-21-2003]**

9. The operator shall comply with all applicable notification requirements that are specified in Section 63.5905 of this subpart and 40 CFR 63, Subpart A.
10. The operator shall comply with all applicable reporting requirements that are specified in Section 63.5910.
11. The operator shall keep all required records pursuant to Section 63.5915 and 63.5920 of this subpart and 40 CFR 63, Subpart A to demonstrate compliance with all applicable requirements. In addition, all records including data, calculations, and any supporting documentation shall be prepared in a format which is acceptable to the AQMD.
12. Alternative plans, compliance plans, and the construction and operation of new or modified air pollution control equipment that are required by this subpart shall be approved through the AQMD permit system.

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

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

#### **GENERAL PROVISIONS**

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

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

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

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

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

#### **Payment of Fees**

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

#### **Reopening for Cause**

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
  - (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

### COMPLIANCE PROVISIONS

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

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

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION K: TITLE V Administration

11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
  - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**SECTION K: TITLE V Administration**

commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### SECTION K: TITLE V Administration

#### **EMERGENCY PROVISIONS**

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

---

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

## **FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

### SECTION K: TITLE V Administration

#### **RECORDKEEPING PROVISIONS**

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

#### **REPORTING PROVISIONS**

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
  - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION K: TITLE V Administration

- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
- (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.
- The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]
25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION K: TITLE V Administration

**PERIODIC MONITORING**

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

## FACILITY PERMIT TO OPERATE G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

### SECTION K: TITLE V Administration

*FACILITY RULES*

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

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

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Non federally enforceable
RULE 1107	11-9-2001	Federally enforceable
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1132	3-5-2004	Federally enforceable
RULE 1132	5-7-2004	Non federally enforceable
RULE 1132(d)(1)	3-5-2004	Federally enforceable
RULE 1136	6-14-1996	Federally enforceable
RULE 1137	2-1-2002	Federally enforceable
RULE 1146.2	1-7-2005	Non federally enforceable
RULE 1146.2	1-9-1998	Federally enforceable
RULE 1162	11-17-2000	Federally enforceable
RULE 1162	7-8-2005	Non federally enforceable
RULE 1168	1-7-2005	Non federally enforceable
RULE 1168	10-3-2003	Federally enforceable
RULE 1171	11-7-2003	Federally enforceable
RULE 1171	2-1-2008	Non federally enforceable
RULE 1175	5-13-1994	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	8-18-2000	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable

**FACILITY PERMIT TO OPERATE  
 G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	6-9-2006	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
40CFR 63 Subpart WWWW	4-21-2003	Federally enforceable
RULE 701	6-13-1997	Federally enforceable



**FACILITY PERMIT TO OPERATE  
G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

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

NONE

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1107 1-6-2006]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
General One-Component	275	275	2.3	2.3	275	275	2.3	2.3
General Multi-Component	340	340	2.8	2.8	275	275	2.3	2.3
Military Specification	340	340	2.8	2.8	275	275	2.3	2.3
Etching Filler	420	420	3.5	3.5	420	420	3.5	3.5
Solar-Absorbent	420	420	3.5	3.5	360	360	3.0	3.0
Heat-Resistant	420	420	3.5	3.5	360	360	3.0	3.0
Extreme High-Gloss	420	340	3.5	2.8	360	360	3.0	3.0
Metallic	420	420	3.5	3.5	420	420	3.5	3.5

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1107 1-6-2006]**

VOC LIMITS								
Less Water and Less Exempt Compounds								
Effective Dates, cont.								
Coating	Air-Dried				Baked			
	gm/l		lb/gal		gm/l		lb/gal	
	Current	7/1/07	Current	7/1/07	Current	7/1/07	Current	7/1/07
Extreme Performance	420	420	3.5	3.5	360	360	3.0	3.0
Prefabricated Architectural One-Component	420	275	3.5	2.3	275	275	2.3	2.3
Prefabricated Architectural Multi-Component	420	340	3.5	2.8	275	275	2.3	2.3
Touch Up	420	420	3.5	3.5	360	360	3.0	3.0
Repair	420	420	3.5	3.5	360	360	3.0	3.0
Silicone Release	420	420	3.5	3.5	420	420	3.5	3.5
High-Performance Architectural	420	420	3.5	3.5	420	420	3.5	3.5
Camouflage	420	420	3.5	3.5	420	420	3.5	3.5
Vacuum-Metalizing	420	420	3.5	3.5	420	420	3.5	3.5
Mold-Seal	420	420	3.5	3.5	420	420	3.5	3.5
High-Temperature	420	420	3.5	3.5	420	420	3.5	3.5
Electric-Insulating Varnish	420	420	3.5	3.5	420	420	3.5	3.5
Pan Backing	420	420	3.5	3.5	420	420	3.5	3.5
Pretreatment Coatings	420	420	3.5	3.5	420	420	3.5	3.5

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1107 11-9-2001]**

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

<u>Coating</u>	<b>LIMITS</b>			
	<b>Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds</b>			
	<u>Air Dried</u>	<u>(lb/gal)</u>	<u>Baked</u>	<u>(lb/gal)</u>
General				
One-Component	275	(2.3)	275	(2.3)
Multi-Component	340	(2.8)	275	(2.3)
Military Specification	340	(2.8)	275	(2.3)
Etching Filler	420	(3.5)	420	(3.5)
Solar-Absorbent	420	(3.5)	360	(3.0)
Heat-Resistant	420	(3.5)	360	(3.0)
Extreme High-Gloss	420	(3.5)	360	(3.0)
Metallic	420	(3.5)	420	(3.5)
Extreme Performance	420	(3.5)	360	(3.0)
Prefabricated Architectural Component	420	(3.5)	275	(2.3)
Touch Up	420	(3.5)	360	(3.0)
Repair	420	(3.5)	360	(3.0)
Silicone Release	420	(3.5)	420	(3.5)
High Performance Architectural	420	(3.5)	420	(3.5)
Camouflage	420	(3.5)	420	(3.5)
Vacuum-Metalizing	420	(3.5)	420	(3.5)
Mold-Seal	420	(3.5)	420	(3.5)
High-Temperature	420	(3.5)	420	(3.5)
Electric-Insulating Varnish	420	(3.5)	420	(3.5)
Pan Backing	420	(3.5)	420	(3.5)
Pretreatment Coatings	420	(3.5)	420	(3.5)

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1107 11-9-2001]**

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

**FACILITY PERMIT TO OPERATE  
 G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1113 11-8-1996]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

**TABLE OF STANDARDS**

**VOC LIMITS**

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

<b>COATING</b>	<b>Limit*</b>	<b>Effective Date of Adoption</b>	<b>Effective 1/1/1998</b>	<b>Effective 1/1/1999</b>	<b>Effective 7/1/2001</b>	<b>Effective 1/1/2005</b>	<b>Effective 7/1/2008</b>
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250					100	
Graphic Arts (Sign) Coatings	500						50
Industrial Maintenance							

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 11-8-1996]**

Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550		275	
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 11-8-1996]**

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS**  
**VOC LIMITS**

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		
Nonflat High Gloss	250		150				50	

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1113 7-13-2007]**

**TABLE OF STANDARDS (cont.)**  
**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1132(d)(1) 3-5-2004]**

Effective July 1, 2004, the operator shall demonstrate compliance with the VOC emission reduction requirement of 65% for all spray booths subject to Rule 1132(d)(1) on a calendar monthly basis. Within 14 calendar days after the end of each calendar month, the operator shall calculate the VOC emission reduction for the subject spray booths pursuant to the following equation specified in Rule 1132(d)(1):

$$\text{Percent VOC Reduction} = \frac{\left[ \sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j \right] - \left[ \sum_{k=1}^c f_k U_k + \sum_{l=1}^d f_l U_l \right]}{\sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j} \times 100$$

where,

$U_i$  = the approved emission factor for the  $i^{th}$  resin based on the allowable monomer content of Rule 1162 as of January 19, 2001, and the allowable method of resin/fiberglass application any associated vapor suppressants and degree of roll-out and covered-cure used as of January 19, 2001.

$U_j$  = the approved emission factor for the  $j^{th}$  gel coat based on the allowable monomer content of Rule 1162 as of January 19, 2001, and the allowable method of gel coat application used as of January 19, 2001.

$U_k$  = the approved emission factor for the  $k^{th}$  resin based on the actual monomer content and the actual method of resin/fiberglass application and any associated vapor suppressants and degree of roll-out and covered-cure currently used.

$U_l$  = the approved emission factor for the  $l^{th}$  gel coat based on the actual monomer content and the actual gel coat application for each gel coat currently used.

$f_i$  = usage factor, based on the fraction of the  $i^{th}$  resin used to the total facility usage of all resins and gel coats during the twelve-month period prior to January 19, 2001, as a monthly average.

## FACILITY PERMIT TO OPERATE

### G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS

#### APPENDIX B: RULE EMISSION LIMITS [RULE 1132(d)(1) 3-5-2004]

- $f_j$  = usage factor, based on the fraction of the  $j^{\text{th}}$  gel coat used to the total facility usage of all resins and gel coats during the twelve-month period prior to January 19, 2001, as a monthly average.
- $f_k$  = usage factor, based on the fraction of the  $k^{\text{th}}$  resin used to the total facility usage of all resins and gel coats during the latest twelve-month period, calculated as a monthly average.
- $f_l$  = usage factor, based on the fraction of the  $l^{\text{th}}$  gel coat used to the total facility usage of all resins and gel coats during the latest twelve-month period, calculated as a monthly average.

Effective July 1, 2004, in addition to the recordkeeping requirements of Rule 109, the operator shall keep the following records on a calendar monthly basis:

- a. usage (in pounds or tons) of each resin and gel coat for the latest twelve-month period
- b. usage factor (in weight percent) for each resin ( $f_i$ ) and gel coat ( $f_j$ ) as a monthly average for the latest twelve-month period
- c. application method for each resin and gel coat
- d. styrene and methyl methacrylate (if any) monomer content (in weight percent as supplied) for each resin and gel coat
- e. vapor suppressant resin reduction factor (if any)
- f. approved emission factor (in pounds of VOC per ton of resin or gel coat) for each resin ( $U_i$ ) and gel coat ( $U_j$ )
- g. product of usage factor and approved emission factor for each resin ( $f_k U_k$ ) and gel coat ( $f_l U_l$ ) that is used in all spray booths subject to Rule 1132(d)(1)
- h. summation of the products of usage factors and approved emission factors for all resins and gel coats that are used in the subject spray booths

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1132(d)(1) 3-5-2004]**

$$\left[ \sum_{k=1}^c f_k U_k + \sum_{l=1}^d f_l U_l \right]$$

- i. percent VOC emission reduction for the current calendar month from the calendar year 2000 (baseline) for the subject spray booths

$$\frac{\left[ \sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j \right] - \left[ \sum_{k=1}^c f_k U_k + \sum_{l=1}^d f_l U_l \right]}{\sum_{i=1}^a f_i U_i + \sum_{j=1}^b f_j U_j} \times 100$$

All required records shall be kept in a format that is acceptable to the District and shall be made available to any District representative upon request.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1136 6-14-1996]**

Except as otherwise provided in Rule 1136

- (a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

<u>COATING</u>	<b>VOC LIMITS</b>			<b>On and After 7/1/2005</b>
	Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids], <u>Less Water and Less Exempt Compounds</u>			
	<u>Current Limit</u>			
	<u>I</u>	<u>or</u>	<u>II</u>	
Clear Sealers	550 (4.6) [1.39]	680 (5.7) [3.36]		275 (2.3) [0.36]
Clear Topcoat	550 (4.6) [1.37]	275 (2.3) [0.35]		275 (2.3) [0.35]
Pigmented Primers, Sealers & Undercoats	550 (4.6) [1.06]	600 (5.0) [1.08]		275 (2.3) [0.21]
Pigmented Topcoats	550 (4.6) [1.10]	275 (2.3) [0.25]		275 (2.3) [0.25]

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

- (2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

<b>VOC LIMITS</b>	
Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids], <u>Less Water and Less Exempt Compounds</u>	
<u>COATING</u>	
Clear Sealers	275 (2.3) [0.36]
Clear Topcoat	680 (5.7) [2.99]
Pigmented Primers, Sealers & Undercoats	275 (2.3) [0.33]
Pigmented Topcoats	600 (5.0) [1.38]

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1136 6-14-1996]**

(3)

**VOC LIMITS**

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],  
Less Water and Less Exempt Compounds

	<b>Current Limit</b>	<b>On and After 7/1/2005</b>
<b><u>COATING</u></b>		
Barrier Coat - Plastic Components	760 (6.3) [3.9]	275 (2.3) [0.28]
Composite Wood Edge Filler	550 (4.6) [1.15]	275 (2.3) [0.31]
Extreme Performance Coatings	420 (3.5) [0.51]	275 (2.3) [0.33]
Fillers	500 (4.2) [0.66]	275 (2.3) [0.18]
High-Solid Stains	550 (4.6) [1.23]	350 (2.9) [0.42]
Inks	500 (4.2) [0.96]	500 (4.2) [0.96]
Mold-Seal Coatings	750 (6.3) [4.2]	750 (6.3) [4.2]
Multi-Colored Coatings	685 (5.7) [2.6]	275 (2.3) [0.33]

**VOC LIMITS**

Grams Per Liter (lb/gal) of Material

	<b>Current Limit</b>	<b>On and After 7/1/2005</b>
<b><u>COATING</u></b>		
Low-Solids Barrier Coat - Plastic Components	760 (6.3)	120 (1.0)
Low-Solid Stains, Toners, and Washcoats	480 (4.0)	120 (1.0)

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

- (4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.
- (b) A person shall not use a stripper on wood products unless:
  - (1) it contains less than 350 grams of VOC per liter of material; or
  - (2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1162 11-17-2000]**

The operator shall not use a polyester resin material in a polyester resin operation which has a monomer content in excess of the limits specified in the Table below.

Polyester Resin Materials	Monomer Content in Polyester Resin Materials as Applied (By Weight Percent)
General Purpose Polyester Resin	35
Corrosion-Resistant	48
Fire Retardant	42
High Strength	48
Clear Gel Coat	50
Pigmented Gel Coat	45

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1162 7-8-2005]**

The operator shall not use polyester resin material in an open molding system, which has a monomer content in excess of the limits specified in the following Table.

Polyester Resin Materials	Monomer Percentage by Weight as Applied	
	Prior to 11-09-2001	Current Limits
Clear Gel Coat	50	-
For Marble Resins	-	40
For Other Resins	-	44
Pigmented Gel Coat	45	-
White and Off White	-	30
Non-White	-	37
Primer	-	28
Specialty Gel Coats	-	48
General Purpose Resin	35	-
Marble Resins	-	10 or (32 % as supplied, no fillers) 17
Solid Surface Resins	-	24 or
Tub/Shower Resins	-	(35 % as supplied, no fillers)
Lamination Resins	-	31 or (35 % as supplied, no fillers)
Others	-	35
Fire Retardant Resin	42	38
Corrosion Resistant Resin	48	48
High Strength Resin	48	40

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 1-7-2005]**

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

**VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter**

<b>Architectural Applications</b>	<b>Current VOC Limit*</b>
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 1-7-2005]**

Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit*	1-1-05	7-1-05	1-1-07
PVC Welding	510			
CPVC Welding	490			
ABS Welding	400		325	
Plastic Cement Welding	350	250		
Adhesive Primer for Plastic	650		550	
Computer Diskette Manufacturing	350			
Contact Adhesive	80			
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	540			250

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

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 1-7-2005]**

For adhesives, adhesive bonding primers, or any other primer not regulated by the above two tables and applied to the following substrates, the following limits shall apply:

<b>Substrate Specific Applications</b>	<b>Current VOC Limit*</b>
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

<b>Sealants</b>	<b>Current VOC Limit*</b>
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 1-7-2005]**

<b>Sealant Primers</b>	<b>Current VOC Limit*</b>
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE  
 G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1168 10-3-2003]**

- (1) Unless otherwise specified in paragraph (c)(2), a person shall not apply any adhesives, adhesive bonding primers, adhesive primers, or any other primer which have a VOC content in excess of 250 g/L less water and less exempt compounds.
- (2) A person shall not apply adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, or any other primer which have a VOC content in excess of the limits specified below:

**VOC Limit\*, Less Water and Less Exempt Compounds in Grams per Liter**

<b>Architectural Applications</b>	<b>Current VOC Limit</b>
Indoor Carpet Adhesives	50
Carpet Pad Adhesives	50
Outdoor Carpet Adhesives	150
Wood Flooring Adhesive	100
Rubber Floor Adhesives	60
Subfloor Adhesives	50
Ceramic Tile Adhesives	65
VCT and Asphalt Tile Adhesives	50
Dry Wall and Panel Adhesives	50
Cove Base Adhesives	50
Multipurpose Construction Adhesives	70
Structural Glazing Adhesives	100
Single Ply Roof Membrane Adhesives	250

\* For low-solid adhesives or sealants the VOC limit is expressed in grams per liter of material as determined in paragraph (b)(32); for all other adhesives and sealants, VOC limits are expressed as grams of VOC per liter of adhesive or sealant less water and less exempt compounds as determined in paragraph (b)(31).

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 10-3-2003]**

.Specialty Applications	VOC Limits and Effective Dates**			
	Current VOC Limit	6-7-02	1-1-03	1-1-05
PVC Welding	510			285
CPVC Welding	490			270
ABS Welding	400			
Plastic Cement Welding	350			250
Adhesive Primer for Plastic	650			250
Computer Diskette Manufacturing	350			
Contact Adhesive	250		80	
Special Purpose Contact Adhesive	250			
Tire Retread	100			
Adhesive Primer for Traffic Marking Tape	150			
Structural Wood Member Adhesive	140			
Sheet Applied Rubber Lining Operations	850			
Top and Trim Adhesive	250	540		250

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

Substrate Specific Applications	Current VOC Limit
Metal to Metal	30
Plastic Foams	50
Porous Material (except wood)	50

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1168 10-3-2003]**

Substrate Specific Applications	Current VOC Limit
Wood	30
Fiberglass	80

If an adhesive is used to bond dissimilar substrates together the adhesive with the highest VOC content shall be allowed.

Sealants	Current VOC Limit
Architectural	250
Marine Deck	760
Nonmembrane Roof	300
Roadway	250
Single-Ply Roof Membrane	450
Other	420

Sealant Primers	Current VOC Limit
Architectural	
Non Porous	250
Porous	775
Modified Bituminous	500
Marine Deck	760
Other	750

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

(1) Solvent Requirements

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

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	500 (4.2)
(iii) Medical Devices & Pharmaceuticals	800 (6.7)
(B) Repair and Maintenance Cleaning	
(i) General	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)
(iii) Medical Devices & Pharmaceuticals	
(A) Tools, Equipment, & Machinery	800 (6.7)
(B) General Work Surfaces	600 (5.0)

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(C) Cleaning of Coatings or Adhesives Application Equipment	550 (4.6)
(D) Cleaning of Ink Application Equipment	
(i) General	25 (0.21)
(ii) Flexographic Printing	25 (0.21)
(iii) Gravure Printing	
(A) Publication	750 (6.3)
(B) Packaging	25 (0.21)
(iv) Lithographic or Letter Press Printing	
(A) Roller Wash – Step 1	600 (5.0)
(B) Roller Wash-Step 2, Blanket Wash, & On-Press Components	800 (6.7)
(C) Removable Press Components	25 (0.21)
(v) Screen Printing	750 (6.3)
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	800 (6.7)

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 11-7-2003]**

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS
	VOC g/l (lb/gal)
(vii) Specialty Flexographic Printing	600 (5.0)
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

(1) Solvent Requirements

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1171 2-1-2008]**

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

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

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1175 5-13-1994]**

Except as otherwise provided in Rule 1175

Emission Control Requirements:

- (1) Manufacturing Operations, Excluding Expandable Polystyrene (EPS) Molding Operations
  - (A) By January 1, 1994, each polyurethane operation subject to the rule shall discontinue its use of CFCs, VOCs, or methylene chloride.
  - (B) Each manufacturing operation, excluding rigid polyurethane operations shall reduce yearly emissions from its 1988 emissions baseline, based on Rule 301 emission fees filing, by 100 percent, beginning calendar year 1994.
- (2) Expandable Polystyrene (EPS) Molding Operations

The operator of an expandable polystyrene (EPS) molding operation shall demonstrate, to the satisfaction of the Executive Officer, that manufacturing emissions and post-manufacturing emissions, assuming all the blowing agent is released from the product, are less than 2.4 lbs per 100 lbs of raw material processed.
- (3) The operator of any polymeric cellular manufacturing operation, subject to the requirements of paragraph (1) or (2), shall submit a plan to the District subject to approval by the Executive Officer's designee, that will demonstrate compliance with paragraph (1) or (2).
- (4) The operator of any polymeric cellular manufacturing operation that has not achieved the requirements specified in paragraphs (1), (2), or (3) shall:
  - (A) Submit permit applications for the installation of an emission control system within four months of the date that compliance with such requirement was not achieved; and
  - (B) Within 12 months of failing to meet the requirements of paragraph (1), (2), or (3), the following provisions must be satisfied:
    - (i) An approved emission control system is installed and operating with all sources of manufacturing emissions vented only to the approved emission control system; and

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 1175 5-13-1994]**

Emissions from the final manufact~~(i)~~ed product are vented only to the approved emission control system for at least:

- (I) 48 hours, in the case of expandable polystyrene molding operations that process more than 800,000 pounds per calendar year of raw material; or
- (II) 24 hours, in the case of all other manufacturing operations.

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 404 2-7-1986]**

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

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

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

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 404 2-7-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 405 2-7-1986]**

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

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

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

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process)		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process)	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9

**FACILITY PERMIT TO OPERATE**  
**G B MFG INC/CALIF ACRYLIC, DBA CAL SPAS**

**APPENDIX B: RULE EMISSION LIMITS**  
**[RULE 405 2-7-1986]**

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