

**Section I: BACT Determination for Application No.: 280817
Equipment Category - Spray Booth**

1. GENERAL INFORMATION		DATE: 5/25/1999
A. MANUFACTURER: Custom		
B. TYPE: Dry Filter	C. MODEL: Custom	
D. STYLE: Floor		
E. APPLICABLE AQMD REGULATION XI RULES: 1107 & 1171		
F. COST: \$644,760 () SOURCE OF COST DATA:		
G. OPERATING SCHEDULE: 24 HRS/DAY 5 DAYS/WK 52 WKS/YR		
2. EQUIPMENT INFORMATION		APP. NO.: 280817
A. SIZE/DIMENSION/CAPACITY: Two identical circular booths, 10'-8" dia.		
B. BLOWERS: Two @ 3 HP each	C. TOTAL FLOW RATE: 14300 scfm	
D. FILTERS: Each booth: 20 @ 20"x20"		
E. PARTS COATED: Aluminum extrusions		
F. TYPE OF COATING/ADHESIVE/SOLVENT USED: Enamel		
3. COMPANY INFORMATION		APP. NO.: 280817
A. NAME: International Extrusion		
B. ADDRESS: 1000 S. Meridian Ave.		
CITY: Alhambra	STATE: CA	ZIP: 91803
C. CONTACT PERSON: Ray Miller		D. PHONE NO.: (626) 576-2424
4. PERMIT INFORMATION		APP. NO.: 280817
A. AGENCY: SCAQMD		
B. AGENCY CONTACT PERSON: Ken Matsuda/AQ Engineer		C. PHONE NO.: (909) 396-2656
D. PERMIT TO CONSTRUCT INFORMATION: P/C NO.: 280817 ISSUANCE DATE: 9/2/1993		
E. START-UP DATE: Operating since 1994		
F. PERMIT TO OPERATE INFORMATION: P/O NO.: F00338 ISSUANCE DATE: 6/26/1996		
5. EMISSION INFORMATION		APP. NO.: 280817
A. PERMIT		
A1. PERMIT LIMIT: 68 lb/day VOC after control		
A2. BACT/LAER DETERMINATION: The BACT/LAER determination for this application is a thermal oxidizer. Rule 1107 requires a minimum collection efficiency of 90% and a minimum control device destruction efficiency of 95%.		
B. CONTROL TECHNOLOGY		
B1. MANUFACTURER/SUPPLIER: Tellkamp		
B2. TYPE: Regenerative Thermal Oxidizer		

B3. DESCRIPTION: A regenerative thermal oxidizer with two ceramic saddle beds vents two enclosed, conveyORIZED spray booths, one flash-off area and one oven. Non-compliant coatings are automatically applied in the booths.

B4. CONTROL EQUIPMENT PERMIT APPLICATION DATA: P/C NO.: 280817 ISSUANCE DATE: 9/2/1993
P/O NO.: F00338 ISSUANCE DATE: 6/26/1996

B5. WASTE AIR FLOW TO CONTROL EQUIPMENT: FLOW RATE: 14,300 scfm
ACTUAL CONTAMINANT LOADING: BLOWER HP: 1 @ 100 and 1 @ 5 HP

B6. WARRANTY: Not known

B7. PRIMARY POLLUTANTS: VOC

B8. SECONDARY POLLUTANTS: NO_x, CO

B9. SPACE REQUIREMENT: Not known

B10. LIMITATIONS:

B11. LOCATION OF PRIOR DEMONSTRATION & AGENCY:

FACILITY: Not known

CONTACT PERSON:

PHONE NO.:

AGENCY: SCAQMD

ADDRESS:

CONTACT PERSON:

PHONE NO.:

B12. OPERATING HISTORY: Operating since 1994

B13. SOURCE TEST/PERFORMANCE DATA ANALYSIS:

DATE OF SOURCE TEST:

CAPTURE EFFICIENCY: 99.50%

DESTRUCTION EFFICIENCY: 98.10%

OVERALL EFFICEINCY: 97.60%

PERFORMANCE DATA:

B14. SOURCE TEST CONDITIONS/PERFORMANCE DATA:

Flow Rate to inlet of APC Device:

15,400 scfm

12,600 scfm

VOC generated: 155 lbs/hr

(132 lbs/hr as carbon)

VOC at outlet of APC Device:

(2.6 lbs/hr as carbon)

C. COST

C1. CONTROL EQUIPMENT COST: CHECK IF INSTALLATION COST IS INCLUDED IN CAPITAL COST

CAPITAL: \$644760 INSTALLATION: \$Not known () SOURCE OF COST DATA: Owner/Operator

C2. ANNUAL OPERATIONAL/MAINTENANCE COST:

\$Not known () SOURCE OF COST DATA: Owner/Operator

D. DEMONSTRATION OF COMPLIANCE

D1. STAFF PERFORMING FIELD EVALUATION:

ENGINEER'S NAME: Ken Matsuda

INSPECTOR'S NAME:

DATE:

D2. COMPLIANCE DEMONSTRATION: See Source Test Information

D3. VARIANCE:	NO. OF VARIANCES: None	DATES:
CAUSES:		

D4. VIOLATION:	NO. OF VIOLATIONS: None	DATES:
CAUSES:		

D5. FREQUENCY OF MAINTENANCE:	Not known
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6. COMMENTS		APP. NO.: 280817