EMCON Southwest
Consultants in Wastes Management and Environmental Control

October 31,1991
Project H59-01.02

South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, California 91765-4182

Attention: Toxics Unit, Engineering Division

Subject: Air Toxics Inventory Report for Catalina Yachts

Dear Sirs/Madam:

Enclosed please find one copy of the Air Toxics Inventory Report (ATIR), prepared by EMCON Southwest, Inc. (EMCON), for Catalina Yachts located at 21200 Victory Boulevard, Woodland Hills, California. The ATIR was prepared in accordance with the Format for Reports and Presentation of Data presented in Section 93346 of the Emission Inventory Criteria and Guidelines prepared by the California Air Resources Board. The ATIR is comprised of the following components as requested by the South Coast Air Quality Management District (SCAQMD) in the AB 2588 Air Toxics Inventory Plan Approval notice dated May 14, 1991.

- AB2588 Air Toxics Inventory Report Application Form
- Facility Emission Summary Form
- Receptor Proximity Form for AB2588 Air Toxics "Hot Spots" Prioritization
- Facility Description (FAC) Form
- Stack Data (STK) Form
- Device Description and Device-Stack Relations (DEV) Form
- Process and Emittants Data (PRO) Forms
- Support documentation and calculations for each PRO Form
- Plot Plan

A Substances Used, Produced or Otherwise Present (S-UP) Form is not included in this package due to the absence of regulated substances at the facility.

Catalina
EXHIBIT NO. R-5
1-28-97

Mail to: P.O. Box 7894, Redondo Beach, CA

In addition to the required forms, included in this package please find Attachment 1 - Modification to Submitted Emission Inventory Plan Device Identification; Attachment 2 - Modification to Submitted Emission Inventory Plan Stack/Vent Identification; Attachment 3 - Yearly Usage Rates, and Attachment 4 - Emission Estimate Calculations. If you have any questions regarding the ATIR, please forward you inquiries to the attention of Mr. David Wright at EMCON , at (818) 841-1160.

Sincerely

EMCON Southwest, Inc.

David B. Wright
Manager, Air Quality Group

MAY 1991

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

9150 Flair Drive
El Monte, CA 91731

AB 2588 AIR TOXICS INVENTORY REPORT
APPLICATION FORM

Company Name: Catalina Yachts

Mailing Address: 21200 Victory Boulevard

Woodland Hills, California 91367

Facility Address: Same as above

Facility AQMD ID #: 560 (From your plan approval letter)

Contact Person (Company Official): Gerald B. Douglas

Telephone #: (818) 884-7700

Report Preparer (If not a Company Official): David Wright/EMCON Southwest

Telephone #: (818) 841-1160

Signature of the Report Preparer:

Signature of Responsible Company Official:

THIS FORM MUST BE FILLED OUT AND MAILED WITH THE INVENTORY REPORT

Plan Date
1989

FACILITY EMISSION SUMMARY FORM

MAY 1991

COMPANY Catalina Yachts	AQMD ID# 560

APPENDIX A-I SUBSTANCES		FACILITY WIDE EMISSIONS	
AIR TOXIC NAME	CAS NO.	MAXIMUM LBS/HR	AVERAGE LBS/YR
Styrene	100425	14.711	61,444.2
Formaldehyde	50000	3.6×10^{-6}	$1,509 \times 10^{-2}$
Benzene	71432	1.0×10^{-7}	4.198×10^{-4}
Toluene	108883	5.0×10^{-7}	2.099×10^{-3}

THE INVENTORY SHOULD BE FOR THE PERIOD JAN 1, 1989 THRU DEC 31, 1989

ENGINEER: _____

AB 2588 ATIR 89

Facility SCAQMD ID# .60 Company Name Catalina Yachts

Facility Location Address 21200 Victory Blvd, Woodland Hills, CA 91367

Receptor Proximity Form for AB-2588 Air Toxics "Hot Spots" Prioritization

Please provide answers to the following questions in terms of meters. 100 meters is equal to about 108 yards or 325 feet. If your measurements are originally in feet or yards, please convert them to meters. (Meters = Feet X 0.3048)

1. What is the closest distance between any source of air toxic emissions at your facility and the property boundary of any one of these receptors -- other business, work-site, school, day-care center, shopping center, park, or hospital?

___ Less than 50 meters (160 feet)
___ Less than 100 meters
X Less than 250 meters
___ Less than 500 meters
___ Less than 1,000 meters (1,080 yards)
___ Less than 1,500 meters
___ Less than 2,000 meters
___ Greater than 2,000 meters

RECEPTOR TYPE Business

MAY 1991

Place check mark in front of appropriate distance category and indicate type of receptor. Please note that vacant commercial/industrial lots will also be considered work places.

Important! If distance is less than 250 meters (270 yards or 810 feet) and more than 50 meters (54 yards or 160 feet), provide actual distance in meters.

150 meters.

2. What is the closest distance between any source of air toxic emissions at your facility and the property boundary of any one of these receptors -- house, apartment, convalescent home, trailer park, or other residence?

___ Less than 50 meters (160 feet)
___ Less than 100 meters
___ Less than 250 meters
___ Less than 500 meters
X Less than 1,000 meters (1,080 yards)
___ Less than 1,500 meters
___ Less than 2,000 meters
___ Greater than 2,000 meters

RECEPTOR TYPE House

Place check mark in front of appropriate distance category and indicate type of receptor. Please note that vacant lots zoned as residential will also be considered residences.

Important! If distance is less than 250 meters (270 yards or 810 feet) and more than 50 meters (54 yards or 160 feet), provide actual distance in meters.

741 meters.

Documentation must be provided to support the distance information provided. Include copies of appropriate maps with map scale (in feet, meters, etc.). U.S. Geological Survey (7 1/2 minute), "Thomas Brothers Guide", "Auto Club" or other similar maps are acceptable if the map provides sufficient detail.

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW & UPDATE REPORT
FACILITY DESCRIPTION

FORM FAC

FACILITY DATA

COMPANY NAME: CATALINA YACHTS

ADDRESS: 21200 VICTORY BOULEVARD

CITY: WOODLAND HILLS

ZIP CODE: 91367-

CONTACT PERSON: GERALD DOUGLAS

TELEPHONE: 818-884-7700

FACILITY SIC: 3732

NUMBER OF EMPLOYEES: 250

MAILING ADDRESS DATA

COMPANY NAME: CATALINA YACHTS

ADDRESS: 21200 VICTORY BLVD

CITY: WOODLAND HILLS

STATE: CA

ZIP CODE: 91367-

ATTENTION: GERALD DOUGLAS

FOR OFFICE USE ONLY

COUNTY ID:

FACILITY ID:

ACTION CODE:

DISTRICT:

AIR BASIN CODE:

CITY CODE (OPTIONAL):

AQCR (OPTIONAL):

SUBCOUNTY ID:

FACD1 (OPTIONAL):

FACD2 (OPTIONAL):

UTM ZONE:

UTM EAST:

UTM NORTH:

NAME: Catalina Yachts

AIR TOXICS EMISSION DATA SYSTEM REVIEW & UPDATE REPORT
STACK DATA

FORM **STK**

R OFFICE USE ONLY — COUNTY ID: ____ FACILITY ID: ____

DO NOT DELETE STACK IF IT SERVES OTHER DEVICES. SEE INSTRUCTIONS

DESC CODE	STACK/VENT CATEGORY	REQUIRED INFORMATION
	AMBIENT TEMP & LOW-VELOCITY EXHAUST (T W/IN 25 F OF AMBIENT & V LT 750 FPM)	
1	RELEASE POINT(RP) AT GROUND-LEVEL	STACK ID & CODE ONLY
2	RELEASE FROM BLDG HVAC ONLY	STACK ID, CODE, & STACK HEIGHT
3	RP W/IN (2.5 X HB) ABOVE GROUND AND W/IN (5 X HB) SIDEWAYS TO NEAREST BLDG	STACK ID, CODE & STACK HEIGHT
4	OTHER STACK/VENT (LOW T,V)	STACK ID, CODE & STACK HEIGHT
	OTHER TEMP & FLOW CONDITIONS	
5	RP W/IN (2.5 X HB) ABOVE GROUND AND W/IN (5 X HB) SIDEWAYS TO NEAREST BLDG	ALL STACK INFORMATION
6	OTHER STACK/VENT (OTHER T,V)	ALL STACK INFORMATION

HB = HEIGHT OF NEAREST BUILDING AND HVAC = HEATING, VENTILATING AND AIR CONDITIONING

********** EXHAUST **********

STACK ID	DESC CODE	HEIGHT ABOVE GROUND (FEET)	DIAMETER (FEET)	GAS TEMP (F)	GAS FLOW RATE (CFM)	GAS VELOCITY (FPM)	*OFC USE ONLY* UTM EAST (KILOMETER)	UTM NORTH (KILOMETER)
9 0 0 0 1	6	1 1 6 6	4.0	AMBIENT	1 1 6 0 0 0.0			
9 0 0 0 2	6	1 1 6 6	5 2	AMBIENT	1 1 0 0 0 0 0			
9 0 0 0 3	6	1 1 6 6	5 2	AMBIENT	1 1 0 0 0 0 0			
0 0 4	2	1 1 3 3	0.5	AMBIENT				

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW & UPDATE REPORT
DEVICE DESCRIPTION AND DEVICE-STACK RELATIONS

FORM DEV

FOR OFFICE USE ONLY

COUNTY ID:

FACILITY ID:

OFF USE

ACTION CODE	DEVICE ID	DEVICE NAME	NBR OF DEV.	STACK ID	PERMIT ID (IF AVAILABLE)	DEVD1	DEVICE GROUP	DEVD2
	7001	SPRAY BOOTH #1	1	9000 1	M-45131			
	7002	SPRAY BOOTH #2	1	9002	M-45132			
	7003	BUILDING EXHAUST	1	9003	N/A			
	7004	SPACE HEATERS	4	9004	N/A			

OFFICE USE ONLY ***** EACH ITEM IS OPTIONAL ***

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW AND UPDATE REPORT
PROCESS AND EMITTENTS DATA

FORM PRO SIDE A

FOR OFFICE USE ONLY

PROCESS DESCRIPTION: C

SCC NO.

COUNTY ID: C

AIR BASIN

ACTION CODE

PROD1 (OPTIONAL)

PROD2 (OPTIONAL)

FACILITY ID.

STOP FILL OUT ANY SUPPLEMENTAL PROCESS FORM(S) FOR THIS PROCESS FIRST. THEN FILL OUT THIS PAGE, SUBMITTING ONE FOR EACH EMITTING PROCESS IN YOUR FACILITY.

SECTION 1
PROCESS DATA

DEVICE I.D.: 7 0 0 0 1

SIC: 3 7 3 2

CONFIDENTIAL (Y/N) IF Y CHECK SMALL BOXES AS APPROPRIATE

PROCESS EQUIPMENT DESCRIPTION: S P R A Y B O O T H #1 C

FUEL TYPE /OTHER PROCESS INFO: POLYESTER GELCOAT/RESIN C

NOTE - USE 1 SPACE FOR EACH DECIMAL POINT

TOTAL YEARLY PROCESS RATE (UNITS/YR)	MAXIMUM HOURLY PROCESS RATE (UNITS/HR)	PROCESS UNITS	HRS/ DAY	DAYS/ WEEK	WKS/ YEAR
2 2 6 8 7 7 . 8 5 C	5 4 . 5 3 8 C	PT 0 7 9 C	1 6 C	0 5 C	5 2 C

RELATIVE MONTHLY ACTIVITY (%) C

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3

OFFICE USE ONLY

ACTION CODE

ALLOWABLE EMIS. LBS/YR (OPTIONAL)

SECTION 2

EMITTENT DATA					EMISSIONS
EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
1 0 0 4 2 5	0 6 C	0 . 0 3 0 6 C			6 9 3 3 . 7
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF (%)	FULL/ PART		HOURLY MAX EMISSIONS (LBS/HOUR)
0 0 0 C	0 0 0 C	0 0 0 C	0 C		1 . 6 6 7

ACTION CODE

ALLOWABLE EMIS. LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
	C	C			
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF (%)	FULL/ PART		HOURLY MAX EMISSIONS (LBS/HOUR)
C	C	C	C		

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW AND UPDATE REPORT
PROCESS AND EMITTENTS DATA

FORM PRO SIDE A

FOR OFFICE USE ONLY

PROCESS DESCRIPTION C | SCC NO | COUNTY ID | AIR BASIN

ACTION CODE | PROD1 (OPTIONAL) | PROD2 (OPTIONAL) | FACILITY ID

STOP FILL OUT ANY SUPPLEMENTAL PROCESS FORM(S) FOR THIS PROCESS FIRST. THEN FILL OUT THIS PAGE. SUBMITTING ONE FOR EACH EMITTING PROCESS IN YOUR FACILITY.

SECTION 1
PROCESS DATA

DEVICE I.D.: 7 0 0 0 2

SIC: 3 7 3 2

CONFIDENTIAL (Y/N) IF Y CHECK SMALL BOXES AS APPROPRIATE

PROCESS EQUIPMENT DESCRIPTION C: S P R A Y B O O T H #2

FUEL TYPE /OTHER PROCESS INFO C: POLYESTER GELCOAT/RESIN

NOTE USE 1 SPACE FOR EACH DECIMAL POINT

TOTAL YEARLY PROCESS RATE (UNITS/YR) C	MAXIMUM HOURLY PROCESS RATE (UNITS/HR) C	PROCESS UNITS C	HRS/DAY C	DAYS/WEEK C	WKS/YEAR C
63:912:01.8	153.63	PT079	16	05	52

RELATIVE MONTHLY ACTIVITY (%) C

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3

OFFICE USE ONLY

SECTION 2

EMITTENT DATA					EMISSIONS
EMITTENT ID	EST METH C	ACTUAL EMISSIONS FACTOR (LBS/UNIT) C			ANNUAL AVERAGE EMISSIONS (LBS/YR)
1045	06	0.025			1617.8
CONTROL EQPT CODES PRIMARY C	SECONDARY C	OVERALL CONTROL EFF(%) C	FULL/PART C		HOURLY MAX EMISSIONS (LBS/HOUR)
000	000	00	0		3.841

ACTION CODE | ALLOWABLE EMIS. LBS/YR (OPTIONAL)

EMITTENT ID	EST METH C	ACTUAL EMISSIONS FACTOR (LBS/UNIT) C			ANNUAL AVERAGE EMISSIONS (LBS/YR)
CONTROL EQPT CODES PRIMARY C	SECONDARY C	OVERALL CONTROL EFF(%) C	FULL/PART C		HOURLY MAX EMISSIONS (LBS/HOUR)

ACTION CODE | ALLOWABLE EMIS. LBS/YR (OPTIONAL)

NAME Catalina Yachts

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW AND UPDATE REPORT
PROCESS AND EMITTENTS DATA

FORM PRO SIDE A

FOR OFFICE USE ONLY

PROCESS DESCRIPTION: X C

SCC NO: 2 5 0 0 0 5

COUNTY ID: 1

AIR BASIN: 1

ACTION CODE:

PROD1 (OPTIONAL):

PROD2 (OPTIONAL):

FACILITY ID:

STOP FILL OUT ANY SUPPLEMENTAL PROCESS FORM(S) FOR THIS PROCESS FIRST. THEN FILL OUT THIS PAGE. SUBMITTING ONE FOR EACH EMITTING PROCESS IN YOUR FACILITY.

SECTION 1
PROCESS DATA

DEVICE I.D.: 7 0 0 0 3

SIC: 3 7 3 2

CONFIDENTIAL (Y/N) IF Y CHECK SMALL BOXES AS APPROPRIATE: ☐

PROCESS EQUIPMENT DESCRIPTION: R O O M E X H A U S T C

FUEL TYPE /OTHER PROCESS INFO: POLYESTER GELCOAT/RESIN C

NOTE · USE 1 SPACE FOR EACH DECIMAL POINT

TOTAL YEARLY PROCESS RATE (UNITS/YR)	MAXIMUM HOURLY PROCESS RATE (UNITS/HR)	PROCESS UNITS	HRS/ DAY	DAYS/ WEEK	WKS/ YEAR
1 4 8 9 6 1 6 C	3 5 8 . 0 8 C	PT 0 7 9 C	1 6 C	05 C	5 2 C

RELATIVE MONTHLY ACTIVITY (%) C

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 . 3	8 3	8 . 3	8 3	8 . 3

OFFICE USE ONLY

ACTION CODE:

ALLOWABLE EMIS LBS/YR (OPTIONAL):

SECTION 2

EMITTENT DATA							EMISSIONS
EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)	*CONTROL EQPT CODES* PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/ PART	ANNUAL AVERAGE EMISSIONS (LBS/YR) / HOURLY MAX EMISSIONS (LBS/HOUR)
1 0 0 4 2 5	0 6 C	0 1 . 0 2 5 7 C	0 0 0 C	0 0 0 C	0 0 0 0 C	0 C	3 8 , 3 3 2 / 9 . 2 0 3

ACTION CODE:

ALLOWABLE EMIS LBS/YR (OPTIONAL):

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)	*CONTROL EQPT CODES* PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/ PART	ANNUAL AVERAGE EMISSIONS (LBS/YR) / HOURLY MAX EMISSIONS (LBS/HOUR)
	C	C	C	C	C	C	

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW AND UPDATE REPORT
PROCESS AND EMITTENTS DATA

FORM PRO SIDE A

FOR OFFICE USE ONLY

PROCESS DESCRIPTION | C | SCC NO | COUNTY ID | AIR BASIN

ACTION CODE | PROD1 (OPTIONAL) | PROD2 (OPTIONAL) | FACILITY ID

STOP FILL OUT ANY SUPPLEMENTAL PROCESS FORM(S) FOR THIS PROCESS FIRST. THEN FILL OUT THIS PAGE, SUBMITTING ONE FOR EACH EMITTING PROCESS IN YOUR FACILITY.

SECTION 1 PROCESS DATA

DEVICE I.D.: 70004

SIC: 3732

CONFIDENTIAL (Y/N) IF Y CHECK SMALL BOXES AS APPROPRIATE:

PROCESS EQUIPMENT DESCRIPTION: SPACE HEATER

FUEL TYPE /OTHER PROCESS INFO: NATURAL GAS

NOTE. USE 1 SPACE FOR EACH DECIMAL POINT

TOTAL YEARLY PROCESS RATE (UNITS/YR)	MAXIMUM HOURLY PROCESS RATE (UNITS/HR)	PROCESS UNITS	HRS/DAY	DAYS/WEEK	WKS/YEAR
0.06556	1.57×10^{-5}	PIT075	16	05	52

RELATIVE MONTHLY ACTIVITY (%)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3

OFFICE USE ONLY

SECTION 2

EMITTENT DATA | EMISSIONS

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)	ANNUAL AVERAGE EMISSIONS (LBS/YR)
50000	05	2.3×10^{-1}	1.509×10^{-2}

CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART	HOURLY MAX EMISSIONS (LBS/HOUR)
000	000	0000		3.6×10^{-6}

ACTION CODE

ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)	ANNUAL AVERAGE EMISSIONS (LBS/YR)
71432	05	6.4×10^{-3}	4.198×10^{-4}

CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART	HOURLY MAX EMISSIONS (LBS/HOUR)
000	000	0000		1×10^{-7}

ACTION CODE

ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMISSION YEAR 19__

AIR TOXICS EMISSION DATA SYSTEM REVIEW AND UPDATE REPORT
PROCESS AND EMITTENTS DATA
(ADDITIONAL EMITTENTS)

FORM PRO SIDE B

OFFICE USE ONLY
CO
FACID
ACTION CODE
ALLOWABLE EMIS LBS/YR (OPTIONAL)

DEVICE ID 7|0|0|0|4

EMITTENT DATA					EMISSIONS
EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
1|0|8|8|8|3	0|5 C	0|.|0|3|2 C			2.099×10^{-3}
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART		HOURLY MAX EMISSIONS (LBS/HOUR)
0|0|0 C	0|0|0 C	0|0|0|0 C	0 C		5.0×10^{-7}

ACTION CODE
ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
	C	C			
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART		HOURLY MAX EMISSIONS (LBS/HOUR)
C	C	C	C		

ACTION CODE
ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR(LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
	C	C			
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART		HOURLY MAX EMISSIONS (LBS/HOUR)
C	C	C	C		

ACTION CODE
ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
	C	C			
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART		HOURLY MAX EMISSIONS (LBS/HOUR)
C	C	C	C		

ACTION CODE
ALLOWABLE EMIS LBS/YR (OPTIONAL)

EMITTENT ID	EST METH	ACTUAL EMISSIONS FACTOR (LBS/UNIT)			ANNUAL AVERAGE EMISSIONS (LBS/YR)
	C	C			
CONTROL EQPT CODES PRIMARY	SECONDARY	OVERALL CONTROL EFF(%)	FULL/PART		HOURLY MAX EMISSIONS (LBS/HOUR)
C	C	C	C		

NAME

ATTACHMENT 1

ATTACHMENT 1

CATALINA YACHTS 1990 EMISSION INVENTORY REPORT
MODIFICATION TO SUBMITTED EMISSION INVENTORY PLAN
DEVICE IDENTIFICATION

OLD		NEW	
PROCESS	ID NUMBER	PROCESS	ID NUMBER
Spray Booth #1	70001	Spray Booth #1	70001
Spray Booth #2	70001	Spray Booth #2	70002
Space Heaters (4)	70002	Space Heaters (4)	70004
Building Exhaust	N/A	Building Exhaust	70003

ATTACHMENT 2

ATTACHMENT 2

CATALINA YACHTS 1990 EMISSION INVENTORY REPORT
MODIFICATION TO SUBMITTED EMISSION INVENTORY PLAN
STACK/VENT IDENTIFICATION

OLD		NEW	
PROCESS	ID NUMBER	PROCESS	ID NUMBER
Spray Booth #1	90001	Spray Booth #1	90001
Spray Booth #2	90001	Spray Booth #2	90002
Space Heaters (4)	90002	Space Heaters (4)	90004
Building Exhaust	N/A	Building Exhaust	90003

ATTACHMENT 3

ATTACHMENT 3

CATALINA YACHTS 1990 EMISSION INVENTORY REPORT
YEARLY USAGE RATES

DEVISE	SUBSTANCE	QUANTITY (/yr)
Spray Booth #1 - 70001	Gel Coat Polyester Resin	47,506.5 lbs. 226,402.2 lbs.
Spray Booth #2 - 70002	Gel Coat Polyester Resin	110,848.5 lbs. 528,271.8 lbs.
Building Exhaust - 70003	Gel Coat Polyester Resin	8,334 lbs. 1,480,036 lbs.
Space Heaters (4) - 70004	Natural Gas	65,600 ft3

ATTACHMENT 4

ATTACHMENT 4

CATALINA YACHTS
EMISSION ESTIMATE CALCULATIONS

Device: 70001 Stack: 90001 Units: 1

Emissions: STYRENE

Gel Coat Operations: Total gel coat (#'s) used in Spray Booth #1 * % by weight styrene in gel coat *0.1 (emission factor provided in AP-42, Section 4.12)
= 47,506.5 * 0.28 x 0.1
= 1,330.2

Resin Applications: Total resin used in Spray Booth #1 * % by weight styrene in resin * 0.05 (emission factor provided in AP-42, Section 4.12)
= 226,402.2 * 0.495 x 0.05
= 5,603.5

Device: 70002 Stack: 90002 Units: 1

Emissions: STYRENE

Gel Coat Operation: Total gel coat (#'s) used in Spray Booth #2 * % by weight styrene in gel coat * 0.1 (emission factor provided in AP-42, Section 4.12)
= 110,848 x 0.28 * 0.1
= 3,103.8

Resin Applications: Total resin (#'s) using in Spray Booth #2 * % by weight styrene in resin * 0.05 (emission factor provided in AP-42, Section 4.12)
= 528,271.8 * 0.495 * 0.05
= 13,074.7

Device: 70003 Stack: 90003 Units: 1

Emissions: STYRENE

Gel Coat Operation: Total gel coat (#'s) used outside of the spray booths * % by weight of styrene in gel coat * 0.1 (emission factor provided in AP-42, Section 4.12)
= 8,334 * 0.28 * 0.1
= 233.4

Resin Applications: Total resin (#'s) used outside the spray booths * % by weight styrene in resin * 0.05 (emission

factor provided in AP-42, Section 4.12)
= 1,480,036 * 0.495 * 0.0025
= 36,852.9

Cleaning operations: Total styrene (#'s) used for cleaning applications.
= 1,246

Device: 70004 Stack: 90004 Units: 4

Emissions: FORMALDEHYDE

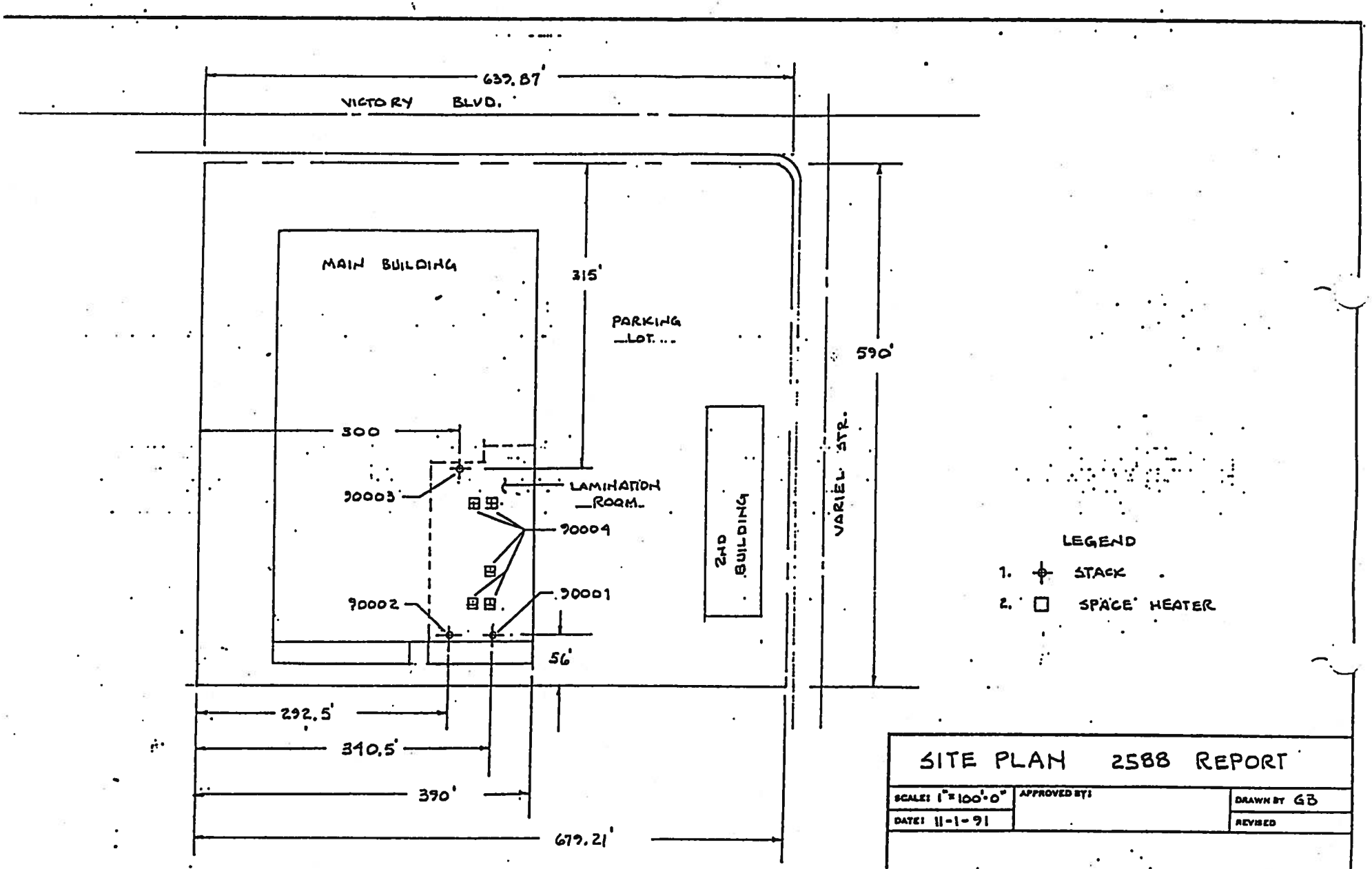
Total natural gas consumption ($mmft^3$) * ($2.3 * 10^{-4}$#/$1000ft^3$)
= $65.6 \times 2.3 * 10^{-4}$
= 1.509×10^{-2}

BENZENE

Total natural gas consumption ($mmft^3$) * ($6.4 * 10^{-6}$#/$1000ft^3$)
= $65.6 * 6.4 * 10^{-6}$
= $4.198 * 10^{-4}$

TOLUENE

Total natural gas consumption ($mmft^3$) * (0.0032#/$mmft^3$)
= 0.0656 * 0.0032
= $2.099 * 10^{-3}$



SITE PLAN 2588 REPORT		
SCALE: 1" = 100'-0"	APPROVED BY:	DRAWN BY GB
DATE: 11-1-91		REVISED
21200 VICTORY BLVD WOODLAND HILLS CA 91367		DRAWING NUMBER