


State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Dale Twachtmann  
FROM: Steve Smallwood   
DATE: July 18, 1989  
SUBJ: Modification of Permit Number: AC 05-151435  
Sea Ray Boats, Inc.

Attached for your approval and signature is a letter modifying the emission factors of Sea Ray Boat's permit for their Sykes Creek boat plant. The new factors more accurately reflect the actual emissions from the facility.

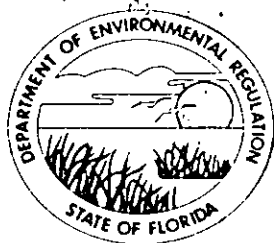
I recommend your approval and signature.

SS/JR/t

attachment

**RECEIVED**  
JUL 18 1989

Office of the Secretary



## Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

July 18, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. John A. Cronkhite  
Sr. Vice President/General Counsel  
Sea Ray Boats, Inc.  
2600 Sea Ray Blvd.  
Knoxville, TN 37914

Dear Mr. Cronkhite:

Re: Revised Emission Factors - Sykes Creek Facility  
(Permit No. AC 05-151435)

The above permit is amended as stated below to reflect the revised emission factors in your letter dated April 28, 1989:

Present Specific Condition No. 4:

4. Hydrocarbon emissions (VOC) shall not exceed the following calculated values and total VOC emissions from the facility shall not exceed 49.8 lbs/hr, 797 lbs/day (30 day average), and 95.6 tons/year. Compliance shall be demonstrated by applying the following raw material utilization rates and emission factors:

	Utilization Rate lbs/hr	Emission Factor	Emissions lbs/hr
Styrene	372.5	0.08	29.80
Methyl Methacrylate	49.5	0.08	3.96
MEKP	4.7	0.10	0.47
1,1,1-Trichloroethane	3.5	0.66	2.31
Acetone	12.5	0.50	6.25
Bottom Paint	11.7	0.60	7.02

New Specific Condition No. 4:

4. Hydrocarbon emissions (VOC) shall not exceed the following calculated values and total VOC emissions from the facility shall not exceed 30 lbs/hr, 480 lbs/day (30 day average), and 57.5 tons/year. Compliance shall be demonstrated by applying the following raw material utilization rates and emission factors over a 90-day period.

Mr. John A. Cronkhite  
Page Two  
July 18, 1989

	Utilization Rate lbs/hr	Emission Factor	Emissions lbs/hr
Styrene (Resin)	119.5	0.06	7.17
Styrene (Gel Coat)	14.9	0.30	4.46
Methyl Methacrylate	49.5	0.05	2.48
MEKP	4.7	0.10	0.47
1,1,1-Trichloroethane	3.5	0.60	2.10
Acetone	6.25	1.00	6.25
Bottom Paint	11.7	0.60	7.02

New Specific Condition No. 4A:

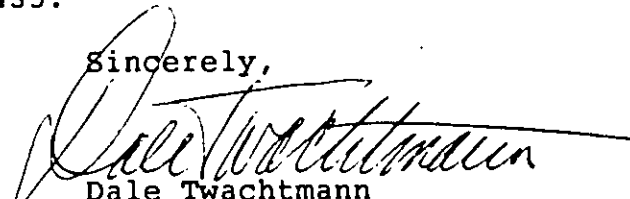
4.A. Nonvolatile acetone substitutes shall be used to the maximum extent practicable to further reduce the quantity of acetone consumed.

New Specific Condition No. 8:

8. By January 31, 1990, Sea Ray Boats shall submit a conceptual plan and potential course of action that will provide the Department with reasonable assurance that objectionable odors and toxic air pollutants in quantities that could exceed acceptable ambient concentrations will not be discharged off of the facility's property boundary or where the public has access, whichever is closest, pursuant to F.A.C. Rules 17-2.200 and 17-2.620(1) and (2). The plan should contain at a minimum, but not be limited to, various control system strategies that might be installed to reduce or eventually eliminate emissions of VOC/OS from each type of operation, associated time and cost analyses, and VOC/OS substitutes.

This amendment letter shall become attachment No. 2 to your construction permit AC 05-151435.

Sincerely,



Dale Twachtmann  
Secretary

DT/kt

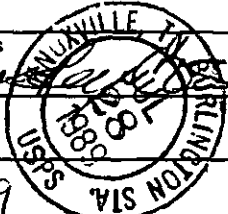
cc: C. Collins, Central District  
G. E. Cantelou, Jr., P.E.

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1.  Show to whom delivered, date, and addressee's address. (Extra charge)      2.  Restricted Delivery (Extra charge)

<b>3. Article Addressed to:</b> Mr. John A. Cronkhite Sr. Vice Pres./General Counsel Sea Ray Boats, Inc. 2600 Sea Ray Blvd. Knoxville, TN 37914		<b>4. Article Number</b> P938 762 627	
		<b>Type of Service:</b> <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
		Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>	
<b>5. Signature - Address</b> X <i>[Handwritten Signature]</i>		<b>8. Addressee's Address (ONLY if requested and fee paid)</b>	
<b>6. Signature - Agent</b> X			
<b>7. Date of Delivery</b> 7-28-89			



PS Form 3811, Mar. 1988 \* U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 938 762 627

**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to	
Mr. John A. Cronkhite, Sea Ray Boats	
Street and No. 2600 Sea Ray Blvd.	
P.O., State and ZIP Code Knoxville, TN 37914	
Postage	S
Certified Fee	
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TOTAL Postage and Fees	S
Postmark or Date	
Mailed: 7-26-89	
Permit: AC 05-151435	

PS Form 3800, June 1985