



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
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From: _____	Date: _____

Interoffice Memorandum

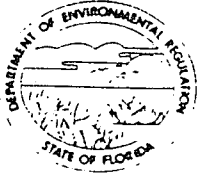
TO: John Reynolds
FROM: Shao-Hang Chu *SHC*
DATE: August 25, 1989
SUBJ: Brevard County - Sea Ray Boat Company
Modeling Results of Pollutant Emissions

An air quality analysis was performed on the pollutant emissions at the Sea Ray Boat Company. Three pollutants of potential exceedances of acceptable ambient levels (AAL) were identified in a SCREEN model run. For the most serious one, styrene, an ISCST refined modeling run was completed. The results are contained in the attached computer output. The concentrations at the point of your concern are listed below and compared with the AAL.

Location (150 m, 360°)	Concentration (ug/m ³)		
	8 hrs	24 hrs	Annual
Model Results	1525.38	712.57	82.48
AAL	2150	511	1.75

The results of this analysis should be used in conjunction with other environmental and engineering factors in making any final decision. Reasonable effort should be made to achieve the acceptable ambient concentration levels, however, predicted exceedance of these levels should probably not be used as the sole basis for permit denial.

SC/kt



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Interoffice Memorandum

TO: Alex Alexander
FROM: Clair Fancy *CHF*
DATE: September 6, 1989
SUBJ: Air Modeling Results-Sea Ray Boats

This is in response to your June 9, 1989, request for air modeling of VOC emissions from the Sea Ray Boat facility in Brevard County. Attached are results indicating that acceptable ambient levels (AALs) are not being exceeded at the company's property line. As shown, the 8 hour concentration is below the AAL as is the 24 hour concentration if factored for 16 hrs operation per day. The modeled annual concentration should probably be disregarded since both the 8 and 24 hour (factored) concentrations are below the AAL.

It should be noted that Sea Ray Boats reduced their total permitted VOC emissions to the following levels through partial substitution of a non-volatile resin solvent ("Rez-Away") for acetone:

Old Plant	-	125.8	TPY VOC
New Plant	-	57.5	TPY VOC
<u>Development</u>	-	<u>50.5</u>	<u>TPY VOC</u>
Total	-	233.8	TPY VOC

CHF/JR/t