

SEABROOK STATION
ANNUAL ENVIRONMENTAL OPERATING REPORT
JANUARY 1, 1988 TO DECEMBER 31, 1988

1. Preoperational Program

The Preoperational Environmental Studies Program at Seabrook Station spans the period for 1975 to date. Attachment 1 to this enclosure is Technical Report XIX-II, which summarizes environmental data results from 1975. A summarization report for 1988 is not yet available, but will be forwarded as part of the 1989 submittal.

2. Environmental Protection Plan Activities for Reporting Period

Aquatic Monitoring

Attachment 2 to this enclosure is the 1987 follow-up report on the "Determination of Neoplasia in Soft-Shell Clams Mya arenaria Near the Seabrook Nuclear Plant". The initial study, was done to document the prevalence of neoplasia, a source of mortality within soft-shell clams near Seabrook Station.

Attachment 3 to this enclosure is the Chlorine Usage Minimization Program (CMP) Status Report for the period of September 1987 to July 1988. As discussed with the E.P.A., this reporting period was extended to include additional onsite inspections and activities in support of the proposed operational program.

Attachment 4 is the report "Seabrook Station Offsite Chlorine Minimization Study 1987". This report provides the data obtained by Normandeau Associates at an offsite test facility and summarizes the results in support of the onsite chlorine management program to be utilized during station operation.

Terrestrial Monitoring

No Applicable

Noise Monitoring

Not Applicable

3. EPP Non-Compliance and Corrective Actions

There were 15 exceptions noted and reported in the Seabrook Station Discharge Monitoring Report (DMR) for the period (Jan. - Dec. 1988). A summary description of those exceedances is provided below. The number in parenthesis indicates the number of exceedances reported each month.

<u>EXCEEDANCE</u>		<u>COMMENTS</u>
<u>JANUARY</u>		
Turbidity	(1)	Heavy snow melt
pH	(2)	Temporary upset condition Technician error
<u>FEBRUARY</u>		
Boron	(1)	Discharge of waste test tank at an excessive rate
Turbidity	(2)	Heavy precipitation
<u>MARCH</u>		
Turbidity	(2)	Heavy precipitation
<u>APRIL</u>		
pH	(1)	Heavy precipitation subsequent to an algal bloom
<u>MAY</u>		
Turbidity	(1)	Heavy precipitation
pH	(1)	Rainwater drainage through fly ash in auxiliary boiler stack (note 1)
<u>JUNE</u>		
None		
<u>JULY</u>		
None		
<u>AUGUST</u>		
pH	(1)	Rainwater drainage through fly ash in auxiliary boiler stack (note 1)
<u>SEPTEMBER</u>		
Glycol	(1)	Temporary leak caused by a faulty gasket on a heat exchanger (note 2)

EXCEEDANCE

COMMENTS

OCTOBER

Glycol (1)

Improper system operation

NOVEMBER

None

DECEMBER

pH (1)

Temporarily out of specification following a maintenance outage of the Sewage Treatment Plant aeration system

FOOTNOTES

1. Fly ash removal from the auxiliary boiler stack is a repetitive task; nonetheless a pH exceedance may occur if rainfall becomes heavy and sustained.

2. As a result of this occurrence, all glycol systems have been evaluated and incompatible gaskets are being replaced.

4. Changes to Plant Design or Operation

No changes to plant design or operation that involved an unreviewed environmental question occurred during this reporting period.

5. Non-routine Reports

There were no non-routine reports generated during this reporting period.