



**North
Atlantic**

North Atlantic Energy Service Corporation
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The Northeast Utilities System

April 27, 2001

Docket No. 54-443
NYN-01038

CR 00-07691-01

U.S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555-0001

Seabrook Station
Annual Radioactive Effluent Release Report

North Atlantic Energy Service Corporation (North Atlantic) has enclosed the Annual Radioactive Effluent Release Report for 2000. This report is submitted pursuant to Technical Specification 6.8.1.4. A copy of the Offsite Dose Calculation Manual (ODCM) is also provided pursuant to Technical Specification 6.13.c. A summary of the changes to the ODCM is included in Enclosure 1, Appendix A.

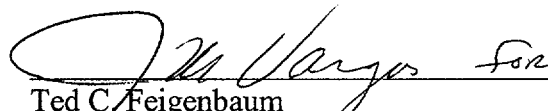
The following information is provided in the enclosures:

Enclosure 1	Effluent release data as required by Regulatory Guide 1.21
Enclosure 2	Joint frequency distributions of wind speed, wind direction and atmospheric stability
Enclosure 3	Radiation dose assessment
Enclosure 4	Offsite Dose Calculation Manual (ODCM), Revision 21

Should you have any questions regarding this letter, please contact James M. Peschel, Manager - Regulatory Programs, at (603) 773-7194.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.



Ted C. Feigenbaum
Executive Vice President and
Chief Nuclear Officer

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cc:

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