

August 9, 2000

Mr. Ted C. Feigenbaum  
Executive Vice President and  
Chief Nuclear Officer  
North Atlantic Energy Service Corporation  
c/o Mr. James M. Peschel  
P.O. Box 300  
Seabrook, NH 03874

SUBJECT: SEABROOK STATION, UNIT NO. 1 - REQUEST FOR ADDITIONAL  
INFORMATION REGARDING SECOND 10-YEAR INTERVAL  
INSERVICE TEST PROGRAM PLAN (TAC NO. MA8532)

Dear Mr. Feigenbaum:

By letter dated March 21, 2000, North Atlantic Energy Service Corporation (North Atlantic) submitted for staff review, their Inservice Test Reference Manual (SITR) which serves as the Seabrook Station's Second 10-Year Interval Inservice Test (IST) Program Plan. Included with the SITR were eight relief requests submitted for staff review and approval. Through the review the staff has generated questions that need to be addressed so that the staff may complete its review. These questions are enclosed as a Request for Additional Information (RAI).

These questions were discussed with members of your staff on August 2, 2000, and it was agreed that North Atlantic will respond by August 18, 2000.

Sincerely,

*/RAI/*

Robert M. Pulsifer, Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-443

Enclosure: RAI

cc w/encl: See next page

Mr. Ted C. Feigenbaum  
Executive Vice President and  
Chief Nuclear Officer  
North Atlantic Energy Service Corporation  
c/o Mr. James M. Peschel  
P.O. Box 300  
Seabrook, NH 03874

August 9, 2000

SUBJECT: SEABROOK STATION, UNIT NO. 1 - REQUEST FOR ADDITIONAL  
INFORMATION REGARDING SECOND 10-YEAR INTERVAL  
INSERVICE TEST PROGRAM PLAN (TAC NO. MA8532)

Dear Mr. Feigenbaum:

By letter dated March 21, 2000, North Atlantic Energy Service Corporation (North Atlantic) submitted for staff review, their Inservice Test Reference Manual (SITR) which serves as the Seabrook Station's Second 10-Year Interval Inservice Test (IST) Program Plan. Included with the SITR were eight relief requests submitted for staff review and approval. Through the review the staff has generated questions that need to be address so that the staff may complete its review. These questions are enclosed as a Request for Additional Information (RAI).

These questions were discussed with members of your staff on August 2, 2000, and it was agreed that North Atlantic will respond by August 18, 2000.

Sincerely,

***/RA/***

Robert M. Pulsifer, Project Manager, Section 2  
Project Directorate I  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

Docket No. 50-443  
Enclosure: RAI  
cc w/encl: See next page

DISTRIBUTION:

PUBLIC	PDI-2 Rdg.	EAdensam (EGA1)
JClifford	RPulsifer	ACRS
TClark	OGC	JLinville, RGN-I

\*RAI input dated 8/3/00  
No major changes were made.

ACCESSION NO: ML003738242

OFFICE	PDI-2/PM	PDI-2/LA	EMEB	PDI-2/SC
NAME	RPulsifer	TLClark	DTerao*	JClifford
DATE	8/8/00	8/8/00	8/03/00	8/9/00

OFFICIAL RECORD COPY

Seabrook Station, Unit No. 1  
cc:

Lillian M. Cuoco, Esq.  
Senior Nuclear Counsel  
Northeast Utilities Service Company  
P.O. Box 270  
Hartford, CT 06141-0270

Mr. Peter Brann  
Assistant Attorney General  
State House, Station #6  
Augusta, ME 04333

Resident Inspector  
U.S. Nuclear Regulatory Commission  
Seabrook Nuclear Power Station  
P.O. Box 1149  
Seabrook, NH 03874

Town of Exeter  
10 Front Street  
Exeter, NH 03823

Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Office of the Attorney General  
One Ashburton Place  
20th Floor  
Boston, MA 02108

Board of Selectmen  
Town of Amesbury  
Town Hall  
Amesbury, MA 01913

Mr. Dan McElhinney  
Federal Emergency Management Agency  
Region I  
J.W. McCormack P.O. &  
Courthouse Building, Room 401  
Boston, MA 02109

Mr. Stephen McGrail, Director  
ATTN: James Muckerheide  
Massachusetts Emergency Management  
Agency  
400 Worcester Road  
Framingham, MA 01702-5399

Philip T. McLaughlin, Attorney General  
Steven M. Houran, Deputy Attorney  
General  
33 Capitol Street  
Concord, NH 03301

Mr. Woodbury Fogg, Director  
New Hampshire Office of Emergency  
Management  
State Office Park South  
107 Pleasant Street  
Concord, NH 03301

Mr. Roy E. Hickok  
Nuclear Training Manager  
Seabrook Station  
North Atlantic Energy Service Corp.  
P.O. Box 300  
Seabrook, NH 03874

Mr. James M. Peschel  
Manager - Regulatory Programs  
Seabrook Station  
North Atlantic Energy Service Corp.  
P.O. Box 300  
Seabrook, NH 03874

Mr. W. A. DiProfio  
Station Director  
Seabrook Station  
North Atlantic Energy Service Corporation  
P.O. Box 300  
Seabrook, NH 03874

Mr. Frank W. Getman, Jr.  
President and Chief Executive Officer  
BayCorp Holdings, LTD  
20 International Drive, Suite 301  
Portsmouth, NH 03801-6809

Mr. B. D. Kenyon  
President and Chief Executive Officer  
Northeast Utilities Service Company  
P.O. Box 270  
Hartford, CT 06141-0270

Mr. Steve Allen  
Polestar Applied Technology, Inc.  
77 Franklin Street, Suite 507  
Boston, MA 02110

## REQUEST FOR ADDITIONAL INFORMATION

### Relief Requests for Seabrook Second 10-year IST Program

#### Relief Request PG-1

1. What are the full-scale ranges of the flow measurement instruments for the CC and RH systems?
2. What are the reference values?

#### Relief Request PR-1

1. How does the pre-operational test data compare with the current pump test data?
2. Please provide data to demonstrate that the proposed testing meets the intent of the testing required by ISTB 4.3.e.1.

#### Relief Request PR-2

1. Are there any known degradation mechanisms below 6 Hz for these pumps?
2. Are these pumps monitored for degradation under any other (non-Code) program? For instance, is spectral analysis and trending performed for these pumps in a predictive maintenance program?

#### Relief Request PR-3

1. Describe the hardship involved in meeting the comprehensive pump test instrument accuracy requirements (ISTB 4.7.1(a)) for the inlet pressure measurement.
2. How does the accuracy of the inlet pressure measurement affect the accuracy of the differential pressure?

#### Relief Request VG-1

1. Please explain why the proposed alternative testing is not in accordance with Code requirements.

#### Relief Request VG-2

1. What type of diagnostic equipment and techniques will be used to measure stroke time?
2. Is quarterly exercising of the valves (without measuring stroke time), in addition to the proposed alternative testing, an option which has been considered? Are these valves exercised by normal operation or by other non-IST programs?