



**North  
Atlantic**

North Atlantic Energy Service Corporation  
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The Northeast Utilities System

October 15, 1998

Docket No. 50-443  
NYN-98118

Ref: AR#98007102  
NYN-98085

United States Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

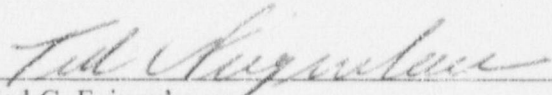
Seabrook Station  
Correction to a Response to Information Request  
Regarding Reactor Vessel Integrity (TAC NO. MA 0571)

In a letter dated June 24, 1998 (NYN-98085), North Atlantic Energy Service Corporation (North Atlantic) responded to a request for additional information regarding reactor vessel integrity. Due to an administrative error, certain best estimate Nickel values reported in Tables 1, 2B and 3B of that response were incorrect. Accordingly, enclosed please find revised Tables 1, 2B and 3B with the correct best estimate Nickel values annotated with revision bars. This error was typographical in nature and did not affect the calculations or the other data presented in the tables.

Should you have any questions, please contact Mr. Terry L. Harpster, Director of Licensing Services, at (603) 773-7765.

Very truly yours,

NORTH ATLANTIC ENERGY SERVICE CORP.

  
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Ted C. Feigenbaum  
Executive Vice President and  
Chief Nuclear Officer

cc:

H. J. Miller, NRC Regional Administrator  
J. T. Harrison, NRC Project Manager, Project Directorate 1-3  
R. K. Lorson, NRC Senior Resident Inspector

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ENCLOSURE TO NYN-98118

Table 1

**Facility: Seabrook Station**  
**Vessel Manufacturer: Combustion Engineering**

Information requested on RPV Weld and/or Limiting Materials

RPV Material ID	Best Estimate Copper	Best Estimate Nickel	EOL ID Fluence ( $\times 10^{19}$ )	Assigned Material Chemistry Factor (CF)	Method of Determining CF <sup>(1)</sup>	Initial RT <sub>NDT</sub> (RT <sub>NDT(U)</sub> )	$\sigma$	$\sigma\Delta$	Margin	ART at EOL
R1808-3	0.07	0.59	2.37	35.6	Surveillance	40	0	8.5	17	101
4P6052	0.037	0.057	2.37	11.2	Surveillance	-60	0	14	28	-18
R1808-3	0.07	0.59	2.37	44.0	Tables	40	0	8.5	17	111
4P6052	0.037	0.057	2.37	28.3	Tables	-60	0	14	28	3

<sup>(1)</sup> Determined from tables or from surveillance data

Discussion of the Analysis Method and Data Used for Each Weld Wire Heat

Weld Wire Heat

Discussion

4P6052

Based on Seabrook Station-specific RPV Weld Chemistry and "sister" plants with RPVs fabricated from common weld heats as reported in Reference (c).

Table 2B: Plate R1808-3

Capsule ID	Cu	Ni	Irradiation Temperature (°F)	Fluence ( $\times 10^{19}$ n/cm <sup>2</sup> ) <sup>(1)</sup>	Measured $\Delta RT_{NDT}$ (°F) <sup>(1)</sup>	Data Used in Assessing Vessel (Y or N)
U-Seabrook	0.07	0.59	<579	0.28	28	Yes
Y-Seabrook	0.07	0.59	<579	1.15	34	Yes

Table 3B: Plate R1808-3

Capsule ID (including source)	Cu	Ni	Irradiation Temperature (°F)	Fluence Factor <sup>(1)</sup>	Measured $\Delta RT_{NDT}$ (°F) <sup>(1)</sup>	Adjusted $\Delta RT_{NDT}$ (°F) <sup>(1)</sup>	Predicted $\Delta RT_{NDT}$ (°F)	(Adjusted - Predicted) $\Delta RT_{NDT}$ (°F)
U-Seabrook	0.07	0.59	<579	0.653	28	96	23.2 <sup>(3)</sup>	72.8
Y-Seabrook	0.07	0.59	<579	1.039	34	94	37.0 <sup>(1)</sup>	57.0

<sup>(1)</sup> Pe: Reference (d)

<sup>(3)</sup> Using curve fitted CF=35.6 (Reference: (d))