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June 18, 1993

United States Nuclear Regulatory Commission
Washington, D.C. 20555

Attention: Document Control Desk

Reference: Facility Operating License No. NPF-86, Docket No. 50-443

Subject: License Amendment Request 93-09: Condensate Storage Tank Enclosure
Surveillance Frequency (TAC No. M86502)

Gentlemen:

North Atlantic Energy Service Corporation (North Atlantic) encloses herein License Amendment Request 93-09. This License Amendment Request is submitted pursuant to the requirements of 10CFR50.90 and 10CFR50.4.

The purpose of License Amendment Request 93-09 is to propose changes to the Seabrook Station Technical Specifications to reduce the frequency of surveillances which are required to verify the integrity of the Condensate Storage Tank (CST) Enclosure. The Condensate Storage Tank (CST) provides a sufficient volume of water to ensure that the Reactor Coolant System (RCS) can be cooled to hot shutdown conditions following a design basis accident. The CST is verified OPERABLE as required by Technical Specification Surveillance Requirement 4.7.1.3 at least once per 12 hours by verifying that the contained water volume is equal to or greater than 212,000 gallons. The CST is protected on its sides by a tornado missile proof concrete structure, the CST Enclosure, which is designed to ensure the availability of the water volume following the rupture of the CST by a tornado generated missile entering the top of the CST. The CST Enclosure is verified OPERABLE as required by Technical Specification Surveillance Requirement 4.7.1.3 at least once per 12 hours by verifying that integrity is maintained.

The CST Enclosure integrity verification required by Surveillance Requirement 4.7.1.3 is performed each shift by an Auxiliary Operator. The Auxiliary Operator verifies the integrity of the CST Enclosure by observing the immediate concrete enclosure around the tank and the seals associated with the enclosure penetrations do not have work ongoing that may cause degradation. The CST Enclosure and its seals are passive devices that are not exercised during plant operations and which are not subject to transient or cyclical forces from the normal operation of the plant. The most likely failure mode for the penetration seals is long term degradation due to aging. The 12 hour surveillance frequency would be appropriate for identifying an active condition or parameter but is not appropriate for a condition that would take many years to develop.

License Amendment Request 93-09 proposes a revision to Surveillance Requirement 4.7.1.3 to require that the CST Enclosure be verified OPERABLE at least once per 18 months by an inspection to verify that CST Enclosure integrity is maintained. The inspection

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of the CST Enclosure and seals will be similar to inspections performed on the containment prior to Type A testing as required by 10CFR50 Appendix J, Section V.A. The CST Enclosure and CST seal inspection procedure will involve a general inspection of the accessible surfaces to uncover any evidence of enclosure structural deterioration or seal degradation which may affect either the CST structural integrity or leak-tightness.


License Amendment Request 93-09 has been reviewed and approved by the Station Operation Review Committee and the Nuclear Safety Audit Review Committee.

As discussed in Section V of the License Amendment Request, the proposed changes do not involve a significant hazards consideration pursuant to 10CFR50.92. A copy of this letter and the enclosed License Amendment Request have been forwarded to the State of New Hampshire State Liaison Officer pursuant to 10CFR50.91(b). In addition, North Atlantic has determined that License Amendment Request 93-09 meets the criteria of 10CFR51.22(c)(a) for a categorical exclusion from the requirements for an Environmental Impact Statement (see Section VII enclosed).

North Atlantic requests NRC review of License Amendment Request 93-09 and issuance of a license amendment by December 30, 1993 (see Section VI enclosed).

Should you have any questions regarding this letter, please contact Mr. Terry L. Harpster, Director of Licensing Services, at (603) 474-9521, extension 2765.

Very truly yours,


Ted C. Feigenbaum

Enclosure

TCF:ALL/tad

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