

SeabrookNPEM Resource

From: Plasse, Richard
Sent: Wednesday, November 03, 2010 2:13 PM
To: Cliche, Richard
Subject: section 2.4 draft RAIs
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From: Plasse, Richard

Created By: Richard.Plasse@nrc.gov

Recipients:
"Cliche, Richard" <Richard.Cliche@fpl.com>
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October 29, 2010

MEMORANDUM TO: David J. Wrona, Branch Chief
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Meena K. Khanna, Branch Chief **/RA/**
Mechanical and Civil Engineering Branch
Division of Engineering
Office of Nuclear Reactor Regulation

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO
SECTION 2.4, "SCOPING AND SCREENING RESULTS:
STRUCTURES" FOR SEABROOK STATION UNIT 1, LICENSE
RENEWAL APPLICATION (TAC NO. ME4028)

The staff of the Mechanical and Civil Engineering Branch of the Division of Engineering has completed its review of Section 2.4, "Scoping and Screening Results: Structures," of the Seabrook Station Unit 1, license renewal application (LRA). The staff has determined that additional information is needed to complete the review. The staff's request for additional information is provided in the enclosure.

Docket No: 50-443

Enclosure:
As stated

CONTACTS: Juan Uribe, NRR/DE/EMCB
(301) 415-3809

October 29, 2010

MEMORANDUM TO: David J. Wrona, Branch Chief
Projects Branch 2
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Meena K. Khanna, Branch Chief */RA/*
Mechanical and Civil Engineering Branch
Division of Engineering
Office of Nuclear Reactor Regulation

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ADAMS ACCESSION NO.: ML103020009

OFFICE	NRR/DE/EMCB	NRR/DE/EMCB
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DATE	10/29/10	10/ 29 /10

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REQUEST FOR ADDITIONAL INFORMATION ON SECTION 2.4
SCOPING AND SCREENING RESULTS: STRUCTURES
SEABROOK STATION UNIT 1, LICENSE RENEWAL APPLICATION (LRA)
(TAC NO. ME4028)

RAI 2.4.1-1

Please clarify if there are any trash racks, basket strainers, traveling screens or any other debris prevention/removing mechanisms that are part of the Intake Transition Structure that would be required to be in scope of license renewal in accordance with 10 CFR 54.4. If so, also identify the applicable aging effects and the aging managing program (AMP) related to these components.

RAI 2.4.1-2

Please confirm whether the following components credited for flood protection per UFSAR Section 3.4.1.1 would be required to be in scope of license renewal in accordance with 10 CFR 54.4. If so, also identify the applicable aging effects and the aging managing program (AMP) related to these following components:

- The rolling steel door in the Fuel Storage Building (located at elevation 20 feet 6 inches MSL),
- The double doors into the entrance vestibule of the Equipment Vault section of the Primary Auxiliary Building (located at elevation 20 feet 8 inches MSL).

RAI 2.4.1-3

LRA Section 2.4.1 states that only the foundations of the fire protection water storage tanks are included in the scope of LR and subject to an AMR. Please provide additional information on the structural configuration of the tanks and the foundations, specifically, if there is any steel framing attached to the tanks that would provide additional support consistent with 10 CFR 54.4(3).

RAI 2.4.6-1

Please confirm the inclusion of the structural bellows in the scope of license renewal, as applicable, and subject to an aging management review (AMR) per 10 CFR 54.21 (a)(1)(i) and provide the location where they are covered. Otherwise, justify the exclusion from the scope of license renewal.

RAI 2.4.6-2

LRA Section 2.4.6 states that the BORAFLEX utilized in the region 2 racks is not credited with the neutron-absorbing capacity in the criticality analyses and therefore will not be managed for reduction of neutron-absorbing. However, UFSAR Section 9.1.2.1 states that the "Region 2 spent fuel racks contain BORAFLEX as a neutron absorbing material to assure a $K_{eff} < 0.95$ ". Please clarify this discrepancy and confirm the inclusion or justify the exclusion of the BORAFLEX from the scope of LR and subject to an AMR.

ENCLOSURE