

From: Robert Moody
To: gnorris@entergy.com
Date: 5/21/01 4:29PM
Subject: IFTS RAI

Attached is a request for additional information regarding the River Bend Station Inclined Fuel Transfer System blind flange removal license amendment application Phase A.

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Subject: IFTS RAI
Creation Date: 5/21/01 4:29PM
From: Robert Moody

Created By: REM2@nrc.gov

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entergy.com gnorris (gnorris@entergy.com)	Transferred	05/21/01 04:29PM

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Operator Dose RAI.wpd	3174	05/21/01 04:14PM
MESSAGE	672	05/21/01 04:29PM

Options

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Request for River Bend to redo the dose calculation for the operator assigned to close the IFTS drain valve isolation valve following a LOCA.

In your dose evaluation for the IFTS designated operator, you described the various sources that contributed to the dose to this operator following a LOCA. Your evaluation assumed a TID-14844/Regulatory Guide 1.3 source term in calculating the dose contribution from containment shine, suppression pool shine, and airborne isotopes in the Fuel Building. Instead of using the same source term (i.e., TID-14844) to calculate the dose contribution to the operator from the IFTS drain line and tank, you referenced a July 1996 GE report as justification for stating that this operator would not get any dose from the IFTS drain line and tank (by assuming that fuel damage will not occur within 121 seconds of a LOCA). Since TID-14844 assumes that instantaneous fuel damage occurs following a LOCA, the use of a 121 second delay time (for the IFTS drain line and tank dose calculation) appears to be a request to apply a timing-only selective application of the alternate source term (AST) under 10 CFR 50.67 and Regulatory Guide 1.183 based on the referenced BWROG report. Please confirm that the staff's understanding is your intent. If you are planning on using the timing-only selective application of the AST, you must revise your dose calculations for the dedicated operator so that all dose contributions (i.e., dose contributions from the IFTS drain line and tank, containment shine, suppression pool shine, and airborne isotopes in the Fuel Building) are consistent with the AST timing assumption.