

Commitments made in this letter: None

Attachment

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ATTACHMENT

LICENSE AMENDMENT REQUEST

STRETCH POWER UPRATE LICENSE AMENDMENT REQUEST

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

RESPONSE TO QUESTION AADB-07-0012

**MILLSTONE POWER STATION UNIT 3
DOMINION NUCLEAR CONNECTICUT, INC.**

Accident Dose Branch

AADB-07-0012

The staff notes that Table 1.0-1 refers to a modification to the control building for auto initiation of pressurized filtration following control building isolation signal for the purpose of control room dose following a fuel handling accident. The staff notes that section 2.9.2.2.1.5, Control Room, states that: "The control room emergency ventilation system (CREVS) is assumed to be in the filtered recirculation mode of operation within 30 minutes of a fuel handling accident involving a spent fuel assembly. A modification will be developed to implement this assumption."

Please provide additional information describing all planned modifications to the CREVS related to credit taken in the revised dose consequences analyses.

DNC Response

Presently, the Control Building inlet and outlet dampers will close, isolating the control building from the outside environment, upon receipt of a Control Building Isolation (CBI) signal. Following a fuel handling accident (FHA), the CBI signal can be generated manually or from a radiation sensor mounted in the Control Building ventilation inlet plenum. After sixty (60) minutes following the CBI, the operators will manually initiate pressurized filtration and filtered recirculation, i.e., starting the Control Room Emergency Ventilation System (CREVS).

The Millstone Power Station 3 (MPS3) Stretch Power Uprate (SPU) FHA analysis requires that the CREVS be operating in filtered recirculation mode within 30 minutes from receipt of a high radiation CBI. While it might be possible to credit operator action to accomplish this, it has been decided to modify the Control Building ventilation system and CREVS to perform this automatically. The CREVS will be modified to start in the pressurized filtration mode automatically, providing not only pressurized filtration but also filtered recirculation. The modifications will perform the following:

- The Control Building inlet dampers will be changed from their present mode of operation; normally open, fail closed, close on CBI, to normally open, fail open, open on CBI.
- The CREVS will receive a signal to automatically start upon receipt of a CBI and the associated dampers will align to the pressurized filtration mode of operation.
- The Control Room pressurization system has been removed from the

MPS3 Technical Specifications (Ref Amendment No. 232) and is not credited for operation in any accident analysis. The CBI signal to actuate the air bottle outlet control valves will be removed. The system can then be maintained either pressurized or depressurized as plant operations dictates, with manual actuation from the control room, as required.

- Various plant process computer inputs and Control Board status lights will be modified to reflect the changed operating modes and control signals described above.