December 24, 2002

LICENSEE: DOMINION NUCLEAR CONNECTICUT, INC

FACILITY: MILLSTONE POWER STATION UNITS 1, 2, AND 3

SUBJECT: SUMMARY OF DECEMBER 12, 2002, MEETING WITH DOMINION NUCLEAR CONNECTICUT, INC., REGARDING PLANS TO CONSTRUCT AN INDEPENDENT SPENT FUEL STORAGE INSTALLATION AT THE MILLSTONE POWER STATION

On December 12, 2002, at 10:00 a.m., a meeting open for public observation was held in the NRC Region I office between the NRC and Dominion Nuclear Connecticut, Inc. (DNC). The purpose of this meeting was for DNC to discuss their plans to construct and operate an Independent Spent Fuel Storage Installation (ISFSI) at the Millstone Power Station.

The meeting was opened by George Pangburn, Division Director, Division of Nuclear Materials Safety, who introduced the NRC representatives and turned the meeting over to DNC for their presentation. During the meeting, DNC staff presented an overview of their initial plans for construction and operation of an ISFSI, which included the reason why an ISFSI is necessary, the dry cask storage system and vendor to be used, proposed location on site, the size of the storage pad, target dates, and status of external stakeholder meetings. DNC has contracted with Transnuclear Company to use their NRC approved NUHOMS 32PT cask transfer and storage system. Thirty-two Pressurized Water Reactor (PWR) spent fuel assemblies will be loaded into a single Dry Shielded Canister (DSC) and stored in Horizontal Storage Modules (HSM) on the ISFSI pad. The initial ISFSI pad will contain 20 HSMs. The NRC was informed that DNC expects to begin construction activities in late 2003 and move fuel beginning in 2004.

Although the ISFSI design includes plans for eventual storage of fuel from Units 1, 2, and 3, the first fuel movements will be from Unit 2 only. The initial campaign will entail loading Unit 2 spent fuel into nine DSCs, four in the fourth quarter of 2004 and five more in mid-2005. The next Unit 2 loading campaign is not expected until 2009 and 2010. Unit 3 will require removal of spent fuel from its spent fuel pool in 2019. At that time, annual transfers of two to three DSCs to the ISFSI pad will be required. Unit I is permanently shutdown and there is no plan to transfer Unit I spent fuel from its spent fuel pool to the ISFSI at this time.

The facility will be licensed using the General License provisions of 10CFR72. Representatives from the local communities of Waterford and East Lyme have been informed of these preliminary plans by DNC management and have participated in visits to the manufacturer and to Susquehanna Power Plant which operates an ISFSI similar to the one proposed at Millstone. Additional meetings with the local communities and public oversight committees are planned.

During the meeting, the NRC questioned DNC on their presentation. Two members of the public were in attendance at the meeting, with representatives from the Hartford Courant and New London Day newspapers listening by phone.

At the end of the meeting, public attendees were offered the opportunity to ask questions of NRC officials. A number of questions were asked over a 15 minute period. The following issues were discussed: relationship of ISFSI construction to Unit 3 Spent Fuel Pool storage amendment, security issues, and the proposed location of ISFSI pad. The questions relevant to this meeting's subject were answered by NRC management. Please refer to Accession No. ML023300601 for the presentation slides and attendance list related to this meeting located in the Agency Documents Access and Management Systems (ADAMS).

Sincerely,

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Ronald R. Bellamy, Chief
Decommissioning and Laboratory Branch
Division of Nuclear Materials Safety