

Millstone Power Station (MPS)

Independent Spent Fuel Storage
Installation (ISFSI)

NRC Office Region 1

December 12th, 2002

MPS ISFSI

Background

- Dominion Nuclear Connecticut (DNC) has initiated the Independent Spent Fuel Storage Installation (ISFSI) Project for Millstone Power Station (MPS) site.
- A Site Selection Study has been completed.
- MPS will use the Transnuclear, Inc. (TN) NUHOMS Dry Cask Storage System using the 10CFR72 General License process.

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Background (contd.)

- The current plant Protected Area (PA) fence will be expanded to include the ISFSI Site.
- The ISFSI Site will have a footprint to accommodate MPS spent fuel through License Renewal.
- The initial storage pad will be for 20 NUHOMS Horizontal Storage Modules (HSMs).

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Current Status and Schedule

- MPS has initiated the design & engineering of the NUHOMS ISFSI facility with TN.
- Initial campaign is to load MPS Unit 2 spent fuel into 9 Dry Shielded Canisters (DSCs).
- MPS Units 1 and 3 spent fuel is not part of the initial 9 DSCs.

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Current Status and Schedule (contd.)

- **Target Dates** for Major Milestones (subject to state and local reviews)

- Complete ISFSI Site Construction, receive HSMs and DSCs in first half of 2004.
- Finish MPS and NRC dry runs and readiness reviews by the end of 3rd qtr. of 2004.
- Start loading 4 DSCs into the HSMs in 4th qtr. of 2004 and 5 more DSCs by mid-2005.

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External Stakeholders Meetings

- Joint discussion with host and border communities early Summer '02 to discuss spent fuel storage options.
- Periodic updates during independent studies.
- Informational site visits.

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Future Community Outreach Initiatives

- Ongoing meetings with affected towns.
- Process provides opportunity for public comment.
- Ongoing stakeholder informational meetings throughout '03.
- Public outreach '03.