



71-9238



Northern States Power Company

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October 26, 1989

10 CFR 71.31

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Application for Approval of  
Packaging for LSA Material in Type A Packaging

Enclosed please find ten copies of "Application for Approval of Packaging for LSA Material in Type A Packaging - Decommissioning of the Pathfinder Atomic Plant". This document presents Northern States Power Company's evaluation of shipping greater than Type A Low Specific Activity byproduct material in a Type A shipping container.

Northern States Power Company is currently in the planning phases of decommissioning our Pathfinder Atomic Power plant. As Part of this project, the plant's reactor vessel and its internals must be removed and shipped offsite for disposal as radioactive waste. The radioactive waste in the reactor vessel consists of activated reactor internal components, activated control rods, control rod drives, small amounts of contaminated surface crud, pea gravel and the reactor vessel itself. No hazardous or mixed wastes are contained in the Pathfinder reactor vessel.

NSP proposes to remove the reactor vessel and its contents from the plant as a single piece. Further, NSP proposes to use the reactor vessel, with the addition of impact limiting and shielding material, as a shipping container for the shipment of the Pathfinder reactor vessel and its contents. The attached report "Application for Approval of Packaging for LSA Material in Type A Packaging - Decommissioning of the Pathfinder Atomic Plant" presents our evaluation of the concept of using the Pathfinder reactor vessel as a one time use, Type A shipping container. This shipment would be of greater than Type A quantity of material, however, the analysis shows that the contents of the shipping container will meet the requirements outlined in 10 CFR Part 71 for classification as Low Specific Activity Material.

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CF/PDR/NUDDS Abstract only

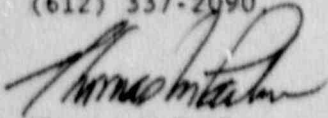
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Currently project planning calls for the reactor vessel to be shipped in the late summer of 1990. If you have any questions or comments on this submittal, please contact Albert Kuroyama - Pathfinder Decommissioning Project Manager at (612) 337-2090



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TMP/RJM

c: Daniel Martin, NRC, NMSS  
William Fisher, NRC Region IV  
South Dakota Department of Water and Natural Resources  
Attn: Michael Pochop

Attachments : Application for Approval of Packaging for LSA Material in Type A  
Packaging - Decommissioning of the Pathfinder Atomic Plant