

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-6078

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Package Model No.: 927A1 and 927C1

Report Submitted By: Westinghouse Electric Company

Report Date: April 2, 2007

Review the incoming report to determine if additional Commission or staff action is warranted. The review should consider whether the report identifies a generic defect or problem with the package design and the safety significance of the issue. Note that a high safety significance represents a potential for significant radiation exposure, medium safety significance represents a potential for some moderate radiation exposure, and low safety significance represents little or no potential for radiation exposure.

1. The report identifies:

- ☐ Significant reduction in the effectiveness of a package during use;
- ☐ Defect with a safety significance;
- ☒ Shipment in which conditions of the approval were not observed.

2. What is the safety significance? ☐ High ☐ Medium ☒ Low

3. Summary of the report:

Westinghouse by letter dated April 2, 2007, submitted a report, in accordance with the requirements of 10 CFR 71.95, documenting two separate events involving shipping containers authorized under Certificate of Compliance No. 6078. The first event occurred during the receipt of a new fuel shipment. The consignee found a container had seven (7) loose cover bolts and about a gallon of water on the bottom of the container. The second event also occurred during receipt of a new fuel shipment. The consignee found that the radioactive material labels on six (6) shipping containers did not have the transport index (TI) for radiation level entered.

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4. Corrective actions taken by the licensee:

Westinghouse by letter dated August 27, 2007, supplemented its April 2 letter and provided its corrective actions. For the loose closure bolts event Westinghouse determine that this was the result of a previous effort to address a bolt shearing problem. First, Westinghouse reduced the bolt closure torque specification. Later, Westinghouse changed the materials specification to require higher tensile strength bolts. However, Westinghouse did not change the bolt closure torque specification back to the original higher value. Westinghouse determined, by physical testing, that these changes in combination with the compressive forces on the seal and flanges resulting from stacking of the packages during routine transport could cause the cover fasteners to loosening. To correct this combination Westinghouse has revised its operating procedure, MOP-730313, Packing Model 927 Shipping Packaging, to increase the bolt closure torque specification.

Next, Westinghouse's corrective action to address the radioactive material label event was to revise its radioactive material vehicle dispatch checklist, CF-85-002. This checklist now includes a reminder to check for the TI on the radioactive material label. The dispatch checklist is used by Westinghouse to document that an independent verification by a transportation HAZMAT employee has been performed. The transportation HAZMAT employee is to verify that the shipping papers, markings, labels, tamper seals, vehicle conditions, tie-downs, and placards comply with the DOT transportation regulations.

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5. Staff comments:

Westinghouse's corrective actions for both the loose closure bolt event and radioactive material label event appear to be adequate.

6. Staff conclusion:

- ☒ The report does NOT identify generic design or license/certificate issues that warrant additional Commission or staff action. This report is considered closed.
- ☐ There is a need to take additional action. Provide a summary of the bases and recommended actions:

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R. Bellamy, I D. Collins, II J. Madera, III B. Spitzberg, IV R. Torres (NMSS GAP Coordinator)
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