

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9218
Package Model No.: TRUPACT-II
Report Submitted By: T.E. Sellmer, Nuclear Waste Partnership LLC
Report Date: July 26, 2013
Report ADAMS Accession No.: ML13218A285

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:

On May 29, 2013, Model No. TRUPACT-II packages, serial numbers 164 and 174, shipped from Idaho National Laboratory and Argonne National Laboratory, respectively, using Certificate of Compliance (CoC) No. 9218. On June 1, 2013, those two packages were found to have had o-rings installed on the inner containment vessel (ICV) seal test port plug and ICV inner vent port plug that were of incorrect size. Condition No. 11.(a) of the CoC requires that the package must be prepared for shipment per the loading procedures specified in Chapter 7 of the safety analysis report. The incorrectly sized o-rings do not comply with that condition.

Pre-shipment helium leak tests were completed and those packages met the acceptable criteria for those tests.

There was no loss or dispersal of radioactive material as a result of this event.

4. Corrective actions taken by the licensee:

- All pending shipments were suspended until compliance of the o-ring configuration installed on the ICV seal test port plug and ICV inner vent port plug was re-verified on assembled packages.
- Waste handling technicians at the Waste Isolation Pilot Plant site and shipping sites were given additional instructions relative to o-ring segregation and identification requirements.

5. Staff comments:

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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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