

10 CFR 71.95 REPORT EVALUATION FORM

Docket No.: 71-9218

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Package Model No.: TRUPACT-II

Report Submitted By: T. E. Sellmer

Report Date: September 10, 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:

On June 25, 2007, shipment No. IN070356 arrived at the Waste Isolation Pilot Plant (WIPP) from the Idaho National Laboratory (INL) site. The TRUPACT-II unit 190 included in the shipment contained the Standard Waste Box (SWB) #BN10166592 which contained four loaded 55-gallon drums; 10147868, 10149070, 10147752, and **10106194**. The SWB #BN10166592, containing the four drums, were emplaced in the underground at WIPP on June 27, 2007. During a routine inventory exercise on July 16, 2007, it was discovered that Drum #10106194, which had not been fully characterized and cleared, had been shipped instead of Drum #10161094. Subsequent examination of SWB #BN10166592, containing the non-fully characterized Drum #10106194, indicated no safety consequences and all other TRUPACT-II Certificate of Compliance limits had been met.

4. Corrective actions taken by the licensee:

- Assigned subject matter experts from the WIPP Project to the Advanced Mixed Waste Treatment Project (AMWTP) at the INL site to perform oversight for payload assembly and shipment verification activities at AMWTP.
- Revised applicable procedures relative to the operating procedure used at AMWTP for payload assembly.
- Revised applicable procedures relative to waste certification processes used at AMWTP.
- Initiated secondary verification hold point by the applicable AMWTP Transportation Certification Official (TCO) for each drum identified for payload assembly prior to authorization of the payload assembly for shipment.
- Initiated tertiary verification hold point by subject matter experts from the WIPP Project for each drum identified for payload assembly prior to authorization of the payload assembly for shipment.

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- Performed training of all affected AMWTP personnel on all applicable procedure revisions and interim work instructions.
- Implemented controls to segregate approved characterized and certified containers from non-characterized and non-certified containers.
- Conducted a CBFO TRUPACT-II and HalfPACT users lessons learned session was conducted.

5. Staff comments:

There were no safety consequences as a result of the event.

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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