

To: Albuquerque Operations Center  
Subject: Daily Operations and Event Report Worksheet

Waste Isolation Pilot Plant (WIPP) input for the Daily Operations and Event Report (DOER):

OPERATIONS:

- None [X]
- As noted below []

EVENTS:

- None []
- As noted below [X]

CFBO—DIR2000-088 → 12/14/00



On 12/4/00 at approximately 0800 hours (MST), the Central Monitoring Room Operator (CMRO) was notified of elevated counts on a swipe taken on the exterior of TRUPACT-II unit #138's Inner Containment Vessel (ICV) lid. The initial counts on the swipe indicated 224 dpm/100 cm<sup>2</sup> alpha. Radiological Control Technicians (RCTs) directed all personnel to remain clear of the West TRUDOCK, until further evaluation was conducted. Hand, face, and foot frisks were conducted on the personnel working in the area, with no contamination above background detected.

A subsequent count was conducted on the initial elevated swipe at 0850 indicating 215 dpm alpha and 10 to 12 dpm/100cm<sup>2</sup> beta/gamma radioactivity. Typically, alpha-to-beta/gamma ratios greater than 3:1 indicates possible transuranic activity in a sample. RCTs conducted full body surveys on the personnel working in the area, and additional swipes of the top of the ICV lid and the underside of the Outer Containment Vessel (OCV) lid. RCTs reviewed the data on the continuous air monitors (CAM) located at the West TRUDOCK. The CAMs indicated no airborne activity present above background. The surveys performed on the personnel present and all additional swipes indicated no activity above background present. A large area wipe was also taken of the ICV lid to determine the extent and magnitude of the gross activity and no activity above background was detected. The initial elevated swipe was transferred to the radiochemistry laboratory for further analysis.

The Radiological Control Manager, Facility Shift Manager, and Waste Handling Manager discussed the options available at 1030 hours. The indications from all the additional swipes and a large area wipe were utilized in the decision to continue Waste Handling Operations. Waste Handling mode was re-verified at about 1120 hours. During completion of the waste handling process of TRUPACT-II unit #138, additional swipes were taken as required and indicated no radioactivity above background present.

Preliminary counting results of initial swipe by the site's radiochemistry laboratory indicate the presence of Americium-241 (<sup>241</sup>Am). Information will be updated as radiochemistry laboratory analysis results become available.

CBFO point of contact is Dr. Chuan-Fu Wu at 505-234-7552 or Don Galbraith 505-234-8365.

UPDATES:

- None [X]
- As noted below []

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Date: 12/15/2000

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