



Region I Office
Division of Radiological Safety and Security
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Telephone Conversation Record

Date: May 30, 2025

License No.: 52-24973-01

Docket No.(no hyphens): 03030140

Mail Control/Report No.: EN 57735

Licensee Name: Rio Pedras Sono-Nuclear Center

Participant(s) Name/Title: Pedro Torres/Facility Manager

Work Telephone No.: 787-764-2355

Business Cellphone No.: 787-354-8494

NRC Representative Name/Title: K. Trotter/Health Physicist

Subject: Follow-Up on HOO Event No. 57735

Discussion:

Two 200 mCi Pluvicto (lutetium-177) doses were delivered to the licensee. One leaded vial was packaged underneath a Styrofoam block and another leaded vial was packaged on top. This configuration of two vials in one box is not usual for this facility. On Wednesday, May 28, 2025, one of the doses was administered to a patient as planned and without incident. The second dose was to be decayed until it could be used for the second patient for an administration on Thursday, May 29, 2025. After the administration, the technologist defaced the transport box and left the bottom vial in the box. The technologist placed the box outside of the hot lab to be discarded as regular trash. The janitorial trash typically picks up trash between 3 PM and 5 PM, and the box was picked up during this window and was put into the compactor. This compactor serves the licensee and one other facility. The compactor is run every few hours. The vial was not determined to be missing until the following morning on May 29, 2025, when the technologist could not locate the second vial. The technologist notified the facility manager, and the radiation safety officer was contacted around 7:30 AM. The radiation safety officer instructed the technologist to take surveys of the compactor, to where readings were indistinguishable from background. The first survey was conducted at 9 AM and the second survey was conducted at 11:27 AM. The facility manager called the HOO at 10:12 AM on Thursday, May 29, 2025. On Friday, May 30, 2025, at 12:11 PM, the NRC called the facility manager to discuss the timeline of the event, discuss the compactor's current status, and to discuss the licensee's next steps (captured here). The facility manager said at the end of the call that someone from the staff would go out to the bin to take measurements again and to stop the waste company from picking up the waste bin.

Action Required: Licensee needs to provide survey information of the waste container, pictures of the waste bin, and next steps regarding finding the Lu-177 dose.

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