

**From:** Booth, Steven R [REDACTED]  
**Sent:** Tuesday, March 06, 2012 4:23 PM  
**To:** Dimarzio, John A.  
**Subject:** RE: Principal plutonium support capabilities at LANL

John:

Here is info to answer the highlighted paragraph below. Hope this suffices.

Steve.

TRU management steps.

- PF-4 generators characterize their waste as it is prepared in drums.
- Waste is transported to TA-54, Area G Pad 10 for WIPP characterization which includes real-time radiography, assay, and head-space gas analysis.
- Waste is then transported to RANT where it is loaded into TRUPACTs for shipment to WIPP.

LLW management steps.

- Characterization takes place at TA-54 or TA-55.
- Some LLW is shipped directly from TA-55 to a permitted disposal site.
- Some LLW is moved to TA-54 where it is staged before being shipped off site.
- One exception is possible. If a glovebox cannot be decontaminated to LLW, it may need to be size-reduced as TRU waste at TA-54 to fit WIPP containers.

MLLW and Hazardous management steps.

- Waste is transported to TA-54 for staging.
- It is shipped off site for commercial treatment and disposal.

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**From:** Dimarzio, John A. [REDACTED]  
**Sent:** Thursday, March 01, 2012 5:23 AM  
**To:** Booth, Steven R  
**Cc:** McAlhany, Sachiko W.; [virginia.kay](#) [REDACTED]; Roles, Gary W.; Heiser, Scott D.; Gorden, Milton E.  
**Subject:** FW: Principal plutonium support capabilities at LANL

We need to better understand what happens to waste after it leaves PF-4. See highlighted questions in the last paragraph below. Can you answer? Would a phone call help?

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**From:** Roles, Gary W.  
**Sent:** Wednesday, February 29, 2012 5:23 PM  
**To:** Dimarzio, John A.  
**Subject:** Principal plutonium support capabilities at LANL

JD:

One of the action items from the February 22-23 meeting is to expand Appendix H of the SPD SEIS to include the facilities at LANL that would support pit disassembly and conversion, with the intent of paralleling the treatment of E-Area activities at SRS. E-Area is used for WM activities such as radioactive and hazardous waste storage, LLW disposal, and (most importantly for purposes of the SPD SEIS), staging of TRU waste for shipment to WIPP for disposal. It was initially theorized that this would mean that we would address impacts from operation of the WM facilities at TA-50 and TA-54 at LANL. At this time and again paralleling what we have considered a principal support facility at SRS, we would not term facilities such as RLWTF a principal support facility but would rather address it in text as needed.

If we are to do an analysis that parallels that for E-Area, then we may need to ask for additional information about the impacts at the LANL principal support facilities arising from pit disassembly and conversion.

But first, we need to determine the interfaces between the pit disassembly and conversion activities at PF-4 and the principal LANL support facilities, because we need to narrow the discussion to only those WM facilities outside of PF-4 that would be involved. That is, what happens to the different waste types after leaving PF-4? For example, is TRU waste treated and characterized at PF-4 or does some of these activities take place elsewhere such as WCRR in TA-50? Does further processing of LLW (such as compaction) occur at Area G, or is it basically disposed of "as is" or shipped directly offsite? Is MLLW and hazardous (chemical) waste shipped directly offsite or may it be temporarily stored at Area G?

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