

-----Original Message-----

From: dkthomas@lanl.gov [mailto:dkthomas@lanl.gov]

Sent: Monday, January 23, 2006 10:24 AM

To: Groome, Chadi D.

Subject: CMRR Large Vessel Description

Chadi,

Attached is a description of the CMRR large vessel handling capability, the contents have been reviewed and cleared for distribution by our ADC. You can use all or part as you see fit. There should be enough here to answer the various questions that were raised.

Dan Thomas

CMRR ES&H

505-665-1527

## **LARGE VESSEL HANDLING CAPABILITY**

The CMRR facility will provide the capability to receive 6 to 8 foot diameter experimental vessels commonly known as large vessels. The large vessel handling operations in the CMRR will be able to unload, sort, and package the materials from large vessels at a level of up to two vessels per year.

Programs supported by this capability are Plutonium Measurement/AGEX, Subcritical Experiments, Primary Certification, Dynamic Materials Testing, Advanced Radiography, and Materials Recycle and Recovery.

### **Vessel Unloading and Cleaning**

This function removes the contents from the vessel and prepares the vessel for subsequent cleaning process. The vessel is cleaned to a level where it can be discarded as LLW.

The contents of the vessels are removed and then separated by matrix to be sent to storage or processing. Unloading contents can be performed concurrently with chemical processing and recovery, which is done at PF-4.

### **Outputs**

- SNM material to be processed/recycled
- Material to be discarded as TRU waste
- Cleaned vessel for disposal as LLW

### **Estimated Waste/Residues**

- Rubber gloves, 16 kg
- Paper, 0.5 kg
- Metal, 750 kg
- No hazardous, mixed, or nonhazardous industrial waste will be generated.
- Approximately 28 to 35 drums of TRU waste will be generated per vessel cleanout.
- Vessel will become LLW and will be sent to TA-54.

-----Original Message-----

From: dkthomas@lanl.gov [mailto:dkthomas@lanl.gov]

Sent: Monday, January 23, 2006 4:19 PM

To: Groome, Chadi D.

Subject: RE: CMRR Large Vessel Description

Chadi,

My responses to your questions have been inserted, in red, below.  
Dan Thomas

At 11:50 AM 1/23/2006, you wrote:

Dan,

A couple of question have come up --

1. How much LLW would be disposed? You indicate the vessel itself would be LLW, but do not give any idea how much waste that translates into.

750 kg LLW (that is the 750 kg metal listed)

2. Also, when you say 750 kg metal will be disposed/vessel -- what type of waste is that, i.e., is that the vessel itself, and would therefore be LLW, or is it something else?

750 kg LLW (same waste as in your question #1)

3. Is this the Bolas Grande Project? If so, I can send you a copy of the NEPA document that covers it.

This is not the Bolas Grande Project, although very similar. Bolas Grade was to deal with legacy vessels, CMRR will work newly created vessels after CMRR is operational. The contents of the vessels may vary based on a given experiment.

Is there someone I could contact while you are gone in case we have more questions?

In my absence, I suggest that Steve Fong, 505-665-5534 could answer most questions concerning CMRR. Also, a contract I was given for the Large Vessel program is Bill McKerley 505-667-2342 (I have not spoken with this person and I do not know this person, but I was told the Bill can speak for this program if further detail is needed.

Thanks,  
Chadi

-----Original Message-----

From: dkthomas@lanl.gov [mailto:dkthomas@lanl.gov]

Sent: Monday, January 23, 2006 10:24 AM  
To: Groome, Chadi D.  
Subject: CMRR Large Vessel Description

Chadi,

Attached is a description of the CMRR large vessel handling capability, the contents have been reviewed and cleared for distribution by our ADC. You can use all or part as you see fit. There should be enough here to answer the various questions that were raised.

Dan Thomas  
CMRR ES&H  
505-665-1527