

Report Number 007  
Month July  
Year 2003

**SRS Radiological Operations Support Center (ROSC)  
Radiological Technology Center (RTC)  
Activity Report Number 7, from 6/21 to 7/18/2003**

**Assistance, Demonstrations, Research and Tours**

The RTC shared information with the Naval Fuel decontamination and decommissioning team here in building 315-M and as a walk down of building 247-F. Additionally, the RTC participated in the teams weekly meeting providing information on the Keibler-Thompson demolition machine (owned by FDD). The tool could be used to dismantle portions of the Naval Fuels. Information was provided on the Trumpf nibbler sheet metal separator and MEGA Tech blade plunging pipe cutter(s).

The RTC shared information with the M-area decontamination and decommissioning team in building 321-M. Recommended using plunge cutter techniques (to crimp and cut) for the removal of 4" stainless steel process piping that once contained nitric acid.

Pollution Prevention training was hosted here in building 315-M (not as traditionally hosted in building 766-H). The intent is to better familiarize the students with what is being done in the field on waste minimization and pollution prevention initiatives and tour the ROSC.

The radioactive material in the north end of building 315-M has been removed and the areas rolled back to a clean area. The purpose is to make room for the recently delivered 800 square foot panelized enclosure (purchased with generator set aside funds) and future containment fabrication operations.

As a commitment to the H-area Radiological Improvement Plan, the RTC provided a search for, evaluate and make recommendations to jumper-cutting equipment. The search included generic recommendations in "Cutting Techniques for Radiological Work", an effort of the Hanford Site, ALARA Center. And, special cutting techniques a subject of vendor demonstrations conducted at SRS, ROSC.

The RTC provided samples of disposable clothing and demonstrated use of the Jenkins Comfort System Eliminator Vest for Solid Waste. The purpose is to alleviate heat stress to personnel while performing work during the summer months. The use of OREX disposable clothing is the preferred. TYVEK disposable clothing (blue dot are the "new" breathable generation and red dot are the "old" not breathable generation) is an alternative. PROTECH 2000 launderable clothing of UNITECH is also being considered.

Additionally, the eliminator vests were demonstrated for Special Forces of Wackenhut Security.

Bartlett Services, INC polymetric barrier system (PBS) has been recommended by the RTC as a temporary soil contamination fixative. The best ratio of water to PBS mixture for 2-gallon sprayer application is 1:2.

The WSRC Radiological Improvement Strategic Plan has been revised and approved. The plan can be accessed via the ALARA Website.

The RTC provided SRTC with lead blanket information to build shielded walls for a PCM-1B. The background radiation is high and shielding is needed.

The RTC provided Solid Waste with Sherwin Williams High Clad Solids Epoxy for resurfacing a 10 square foot section of concrete on Pad 6 in E Area.

The RTC provided Saltstone Facility with a NILFISK GM 60 replacement main filter, impact filter, and microfilter. The initially installed filters prematurely plugged when decontaminating a process room prior to making required modifications.

Scott Hansen and Bill Pence demonstrated operation of E H WACHS CO guillotine saw, split frame cutter, and chip less

wheel utter.

Jeff Wilson demonstrated operation of a TRI TOOL INC split frame clamshell pipe cutter, tube severing and squaring tool and Model 204-B bevel master with flange facing kit.

**New Vendor Information, Equipment and Visits**

Sealed Air provided training to Bartlett Services, INC and ROSC personnel on the INSTAPAK expandable foaming system. A planned use of the foam is as filler for void spaces in waste destined for burial. Also visited shipping and receiving in building 731-1N. Another use is as filler/cushioning for other packages in shipment. Sealed Air is planning a demonstration to others in the near future.

**Coming Events of Interest**

OLYMPUS INDUSTRIAL demonstration on Remote Visual Inspection, 7/23  
ECOMASS TECHNOLOGIES demonstration some time in August.

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