

Report Number 006  
Month June  
Year 2003

**SRS Radiological Operations Support Center (ROSC)  
Radiological Technology Center (RTC)  
Activity Report Number 6, from 5/30/2003 to 6/20/2003**

**Assistance, Demonstrations, Research and Tours**

The RTC provided a pair of EZ-Reachers and Niptongs tools to FTF. The purpose is to pick up small items in spaces to confine to reach by hand. Also to FTF, assistance was provided in procuring a strobe light with stanchion. The strobe will be used as a room warning light to alert personnel of radiological work being performed in the immediate area.

The RTC provided samples of G/O Corporation G-Flexx tape (Product Number GZ1042) to several SRS facilities. The purpose is to bond/stick polyvinyl chloride containment materials to concrete and metal surfaces. The comments received from the facilities were all positive. Several facilities have procured an additional supply of the tape. Each roll purchased reflects a 43% cost savings compared to the tape previously used.

A demonstrated use of the Jenkins Comfort System Eliminator Vest was provided by RTC personnel for FTF and HTF, F-Area Outside Projects, and the Radiological Assistance Program. The purpose of the vest is to alleviate heat stress to personnel while performing work. Systems left in each facility for evaluation have resulted in all facilities purchasing systems. Additional demonstrations are scheduled.

The RTC received five Nilfisk GM-625 vacuum systems specifically ordered to support decontamination efforts in 313-M. The HEPA filters were installed and the systems were DOP tested prior to pick-up. A training class had been previously conducted for Bechtel and RADCON personnel on operation of the vacuum system.

Also, a Nilfisk VT-60 vacuum system was provided to the Saltstone Facility. The purpose is to decontaminate a process room prior to making required modifications.

The RTC received a sample sheet of Flex Boron from Thermo Reax for evaluation in K-Area. It was determined that Boron-Polyethylene is a better-suited material for the K-Area application.

The RTC ordered four 1/16" sheets (each 7" wide x 120" long) of Ecomass Compound PEM-15-01-110-LTS from Ecomass Technologies. Ecomass, a non-hazardous lead substitute, is composed primarily of tungsten plus a variety of types of polymer binders. The sheets will be used by FB-Line to provide shielding inside five-gallon pails.

Recommended Bartlett Services, INC polymetric barrier system (PBS) to the Solid Waste Division as a temporary soil contamination fixative. RTC will conduct a study to determine appropriate water to PBS mixture is best for 2-gallon sprayer application.

Everett Johnson and Jimmy Lewter of COOPER TOOLS demonstrated operation of the H.K. Porter W11800 bar stock cutter. The cutter is a hydraulic portable tool ideal for cutting 1" stainless steel bar stock material.

The RTC recommended and assisted in the application of brush grade Sherwin Williams Envirolastic 625 to seal threads and a weep hole on an abandoned process hand valve in the Tritium Facility. The facility originally planned to weld on the valve, which presented various hazards and extensive work planning.

The RTC contacted UNITECH Services to inquire on the availability of protective clothing made of the PROTECH 2000 material, in colors other than yellow. UNITECH provided a teal colored sample. It is also available in white. PROTECH 2000 is a lightweight, breathable material that is an alternative to cotton material for use in heat stress environments. Shorts are also available.

The ROSC web site continues to be enhanced. Since being activated, the web site has averaged 54 individual user hits per month.

**New Vendor Information, Equipment and Visits**

Los Alamos National Laboratory has sent a RAPID granulator and glove box to SRS.

The video library was expanded to include the most recent demonstrations.

Bartlett Services, INC plans on using an INSTAPAK expandable foaming system for its contracted work in M-Area. The foaming system will be stored (until needed on the job) and demonstrated in the ROSC.

### **Coming Events of Interest**

DOW CHEMICAL INSTAPAK EXPANDABLE FOAM demonstration, 6/25

E.H. WACHS demonstration on cutting tools, 6/26

TRI-TOOL demonstration on split frame clam shell cutter, 7/9.

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