

Report Number 011
Month October
Year 2003

**SRS Radiological Operations Support Center (ROSC)
Radiological Technology Center (RTC)
Activity Report Number 11, from 9/25 to 10/31/2003**

Assistance, Demonstrations, Research and Tours

The RTC provided a NILFISK GM625 HEPA vacuum system to FDP for D&D work in a TNX Basin. RTC provided HEPA vacuum accessories to the Saltstone Facility.

The RTC provided a DESCO Chipping Gun to FDP to chip concrete in TNX. To expedite the in field work, the chipping gun that was on display in the ROSC was provided and used. A replacement for display has been ordered.

The RTC provided assistance on several occasions to FTF. One, in the selection of 15 pounds per square foot lead lined blankets for a shielding application. Two, shared information concerning HEPA vacuums, the NILFISK VT Mercury vacuum and the NILFISK SS Mercury vacuum.

The RTC provided information to the Waste Characterization and Certification Group on Sealed Air Corporation expandable foam. Expandable foam can be used to fill void space in glove boxes prior to disposal.

Facility tours of the ROSC were provided to the H-Area Liquid Waste Disposition Project Team and a group of newly hired engineers.

The RTC provided FDP RADCON with a 40 foot telescoping pole to assist in performing radiological surveys in areas not accessible to personnel using a man lift or ladders.

The RTC provided ten gallons of Bartlett Services Polymeric Barrier System (PBS) to DWPF for fixing contamination on plastic in the railroad truck well. Also, the RTC ordered five gallons of PBS and STRIP COAT for Naval Fuels work. The vendor airless sprayer specifications for application of PBS were also provided.

The RTC continues to share a host of other information with Naval Fuels. Most recently, as a part of a meeting with procurement and MEGA TECH Services to discuss operator training (eventually performed) for the recently purchased blade plunging cutters. The RTC also provided two Canberra Alpha Sentry Continuous Air Monitors to use until theirs are received.

The RTC demonstrated operation of the Encapsulation Technology Passive Aerosol Generator. A glove box on display in building 315-M was fogged using the chemical ETGS Invisible Blue (site MSDS #34146).

Training classes in "Containment" and the "Installation and Removal of Glove Bags" began in October in the ROSC. The intent of moving the training to building 315-M is to provide a better touch with what is actually being performed in the field. Students saw the latest in radiological technology available and containment fabrication capabilities.

PROTECH 2000 coveralls of UNITECH are being piloted in several radiological facilities areas across SRS. As a note from the Hanford ALARA Center Activity Report, PROTECH 2000 coveralls are being implemented at the Fluor Hanford site.

New Vendor Information, Equipment and Visits

Personnel from RTC and the Actinide Removal Process met with EH WACHS to determine options for remotely cutting (for ALARA purposes) a six-inch pipe in a pit located in building 512-S. The vendor suggested a remotely installed and operated guillotine saw.

John Steward with OREX Technologies International will be at SRS on Wednesday, 5-November, at 1 PM to talk about a variety of products manufactured in various forms from a unique polyvinyl alcohol (PVA) polymer.

John Shannon with NFS/RPS will be at SRS on 13-November between 9 AM and 2 PM to conduct a seminar on PERMACON enclosures and localized ventilation as an engineering control of airborne contamination.

ALARA

Radiological Protection Services (RPS) is making preparations to host the first SRS ALARA Workshop in October 2004. The workshop will be open to the entire DOE complex as both attendees and presenters. The SRS ALARA Workshop will focus on education and information exchange for applied ALARA programs and support of radiological operations. Subject matter expert presentations, an onsite tour, and vendor demonstrations will accomplish the interchange of effective collection and dissemination of information, resources, and technologies from other DOE sites and the commercial nuclear industry.

Information concerning the ALARA Program is available as developed on the ALARA web site. This includes the 3rd Quarter Radiological Performance Indicator Report.

SRS ALARA Goals for 2004 are under development and should be approved by year-end.

Coming Events of Interest

OREX demonstration on 5-November

NFS/RPS demonstration on 13-November

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