

Report Number 012  
Month December  
Year 2003

**SRS Radiological Operations Support Center (ROSC)  
Radiological Technology Center (RTC)  
Activity Report Number 12, from 11/01 to 12/15/2003**

**Assistance, Demonstrations, Research and Tours**

The RTC received 10 pounds of Tungsten powder from ECOMASS Technologies ([www.ecomass.com](http://www.ecomass.com)) to evaluate against lead shot as a shielding material. ECOMASS is a non-reactive and nontoxic alternative to lead.

The RTC provided FDP with product information to stock a material center in 714-A with frequently used items and spare parts such as vacuum systems and tools.

Additionally, FDP was provided with a CFM137 and NILFISK GM625 HEPA vacuum ([www.pa.nilfisk-advance.com](http://www.pa.nilfisk-advance.com)) to use with the MARCRIST Concrete Floor Shaver to collect dust when shaving a concrete pad in TNX. An activity code was provided to replace the vacuums taken from the ROSC.

The RTC provided a NILFISK VT60 Vacuum System to Saltstone for removing dust on roof trusses and in a vault in a Contamination Area.

The RTC provided four one-gallon containers of Bartlett PBS ([www.bartlettinc.com](http://www.bartlettinc.com)) for Solid Waste use in E-Area.

The RTC issued a no cost purchase requisition to receive a Nuclear Criticality Safe Vacuum Decontamination System from Brent Daugherty with Nuclear Filter Technology ([www.nuclearfilter.com](http://www.nuclearfilter.com)).

The RTC recommended and ordered two NFS/RPS MAC-21D's to be used to ventilation F-Area Canyon containment huts. Additionally, the RTC recommended the use of a NFS/RPS moisture separator upstream of the HEPA to remove moisture from the underground cells.

The RTC provided several options to address contamination from 772-F Lab 155 at duct that extends to service floor into Shielded Area "C". Options include using expandable foam to fill void spaces and/or using lexan to seal duct at service floor ceiling.

The RTC recommended the use of the Rubbermaid SECO Products No. H246 Mop Handle (WSRC caption/item no. 17-721) to replace the tradition wooden mop handle used by RADCON personnel to hold a swipe or instrument probe when conducting radiological surveys which is no longer available.

The RTC made several 21-foot extension poles that can be used by RADCON personnel to hold a swipe or instrument probe when conducting radiological surveys in over head areas. In many applications this will eliminate the need for a man lift or ladder. Contact the ROSC to get an extension survey pole.

**New Vendor Information, Equipment and Visits**

The Waste Minimization Subcommittee continues to use the ROSC for its periodic meetings. Several ROSC items were discussed. First, a radio frequency welder with thermal heat bars for welding polyethylene back roll stock material (planned used for manufacturing specialty tarpaulins). And second, the Passive Aerosol Generator and its planned use next month in the fogging of the CTS pit (242-3F) and evaporator cell (242-F). The welder and the aerosol generator were both purchased with Solid Waste generator set aside funds.

The north end of the ROSC continues to be used to conduct containment and glove bag installation and removal training. To date, five of these classes have been conducted as well as a class for ALARA Coordinators. To better meet the needs of the site, the two lesson plans for the containment and glove bag training are being revised. Included is a revision to the radiological containment procedure, 5Q1.2-496.

John Devine, Vice President of the Closure Business Unit, toured the ROSC. The purpose was to see first hand the efforts of the operations support center assisting in the conduct of work at SRS.

John Shannon with NFS/RPS ([www.nfsrps.com](http://www.nfsrps.com)) was in the ROSC in November to answer questions concerning PERMACON enclosures, localized ventilation, and specific field applications. Approximately 25 people attended.

John Stouky with MEGA TECH Services was in the ROSC in November to set-up a loaned Blade Plunging Cutter (BPC) 4 HD with a 220-volt hydraulic power unit. A VCR tape was made to demonstrate safe operation of the tool.

Personnel from RTC and Solid Waste meet with Kevin Hollingshead and Greg Holley from Sherwin Williams to evaluate a section of concrete flooring covered with a rubberized floor that degraded due to fork lift usage. The rubberized floor needs to be removed and the concrete coated with General Polymers 3579 primer and high performance CR 3744P epoxy.

The RTC continues to provide input to personal protective equipment to support work efforts. For the site to comply with NFPA 70E requirements for flame resistant clothing, the site has requisitioned a supplier to provide coveralls (colored in orange designating radiological work) to pilot. For piloting PROTECH 2000 synthetic coveralls, wrist/ankle bands and hoods have been provided by UNITECH ([www.u1st.com](http://www.u1st.com)).

The web site for the ROSC will be receiving a face-lift and extended for off site access. The number of on site distinct addresses requesting web based ROSC information increased by 24% from July.

## **ALARA**

Additionally, the web site for ALARA is receiving a face-lift.

## **Coming Events of Interest**

## **Points of Contact**

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