

Report Number 004  
Month May  
Year 2003

**SRS Radiological Operations Support Center (ROSC)  
Radiological Technology Center (RTC)  
Activity Report Number 4, from 4/1/2003 to 5/9/2003**

**Assistance, Demonstrations, Research and Tours**

The RTC received brochures and samples from Duomar Systems, a manufacturer of repair and maintenance coatings since 1968.

The RTC successfully demonstrated operation of the Siemens TeleTrak TeleDosimetry System in the Defense Waste Processing Facility. The wireless monitoring system consists of an electronic personal dosimeter/transmitter, base station with antenna, and a laptop computer. The dosimeter/transmitter was in the Crane Maintenance and the monitoring station was in the Crane Operator Control Room.

The RTC provided ten gallons of Poxy Coat II to Central Laboratory, 772-F. The paint will be used to coat the tunnel floor between 772-F and 772-1F.

The RTC recommended the use of Bartlett's Polymetric Barrier System (PBS) to fix transferable contamination on asphalt at Tank 31 on H-Tank Farm. The PBS was obtained at cost savings of \$950 from Chemical Excess. Contamination levels were significantly reduced.

The RTC suggested Instacote Iso-flex primer to the Tank Farm as a fixative to coat a stainless and carbon steel mining tool. The purpose of the coating is to promote tool decontamination.

Work on the Soil and Groundwater project in Environmental Restoration was stopped due to inadequate equipment. The RTC provided a complete Nilfisk GM-625 vacuum system so work could be restarted.

The RTC provided Facility Decontamination and Decommissioning with the necessary accessories to a Nilfisk vacuum system so concrete sampling could continue at 322-M.

The RTC continues to be involved with modifying the way in which personal protective equipment is being used. Lab coats with zippered closures have been successfully piloted in CLAB. And, disposable lab coats in HB Line are being considered for use multiple times and disposal as Green-is-Clean waste.

And, the RTC loaned two alpha Sentry Continuous Air Monitoring Systems (CAMS) to the HB Line. The air monitors will be used to conduct a test to determine if personnel can be removed from respiratory protection during a particular work evolution. Loaning the CAMS saved the facility \$28K.

The RTC is assisting the Spent Fuel and Defense Programs in the inspection, characterization and disposition of approximately 140 casks. The casks are all lead lined with a varied history (SRS and around the world).

**New Vendor Information, Equipment and Visits**

A representative from the RTC attended the Edwards Technical Sales Company, CUNO Liquid Filtration Seminar.

The RTC received a sample roll of Tack Cloth from G/O Corporation. The cloth is 4-ply resin impregnated cheesecloth with the ability to engulf foreign matter on contact. SRS will test the cloth in the tank farms as a containment floor covering. If the cloth functions as intended, it will be offered by the SRS Containment Fabrication Facility as an option when fabricating containments.

**Coming Events of Interest**

MEGA TECH SERVICES Blade Plunge Cutter Demonstration, 28-May

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