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SRS Radiological Operations Support Center (ROSC)
Radiological Technology Center (RTC)
July 2004 Activity Report

Assistance, Demonstrations, Research and Tours

Need information, visit the ROSC website (http://www.srs.gov/general/enviro/rosc/index.html). Recent hits to the web site have averaged 68 per month.

The use of PROTECH 2000 coveralls and hoods to mitigate heat stress hazards across SRS continues to expand. Sizes 4X-large and 5X-large are now available as STORES items. Users are reminded to provide the laundry drop point on the garments with an indelible marker on the breast area of the coveralls and on the hoods.

Jenkins Comfort System Eliminator cooling vest were provided to FDD. Also, NILFISK vacuum system accessories were provided to FDD for vacuuming sumps in 678-T.

Assistance is being provided to the site effort to dispose of radiological sources and standards. In all, there may well be over a thousand sources of various physical, chemical and radiological forms to be disposed.

The Passive Aerosol Generator (www.fogging.com) continues to be used site wide, most recently in both Tank Farms and the Burial Ground.

Information on the MEGA TECH Blade Plunging Cutter and the TRUTECH NUCUT Cutter was provided to the Site Utilities Department for D&D activities.

The ROSC provided B-line personnel in H-area with Encapsulation Technology ETGS solution and a black light to leak test heat seals on nylon bags.

The ROSC showed personnel from the Tritium Extraction Facility (TEF) vacuum systems and Excel Scaffolding for potential use in their remote handling building.

The ROSC fixed LEAD-X, vinyl 1.0 mm thick shielding (www.bar-ray.com) to two different containers for an application in FB-Line. Also, Solid Waste Division was also provided with two, one foot square pieces of LEAD-X to shield nondestructive assay equipment.

The ROSC provided Solid Waste with a quart of Bartlett Strippable TLC Free (www.bartlettinc.com) in an attempt to remove a spot of contamination in the facility.

New Vendor Information, Equipment and Visits

A pollution prevention audit team of EPA and SCDHEC personnel visited SRS. The team found that the efforts of waste minimization and pollution prevention were well integrated in work activities. The activities of the ROSC and paper pelletizer were highlighted as positives.

Citadel Technologies (www.cittech.com) demonstrated the Diamond Wrap pipe repair (see attached, slide 1). The pipe repairs performed at the ROSC are currently being hydrostatically tested.
Expansion Seal Technologies (www.thomasregister.com/expansionseal) pipe tapping demonstration was conducted (see attached, slide 2). The tool facilitates tapping, sampling and draining the contents of pipe and pressure vessels. The tap is a simple bolt-on installation, no welding or pyrotechnics are needed.

Carolina Fluid Components (www.cfcsite.com) conducted a two demonstration of the 80/20 Industrial Erector Set, one in

June and another in July (see attached, slide 3). The company fabricates aluminum framed structures ideal for radiological applications and containments. Other products ideal for operation, maintenance, and safety applications included: vacuum systems, thermoplastic injection molded quick-disconnect couplings for plastic tubing, pneumatic & electronic control devices to include safety door interlocks, and signaling technology.

In addition to the regularly scheduled classes, special classes in "Radiological Containment" and "Glove Bag Installation and Removal" training were conducted to train F-area personnel.

Software designers from MJW Corporation, Visual Survey Data Systems meet with Radiological Control and Information Technology personnel. The purpose was to review the survey data system as a potential site wide replacement for the home grown area specific systems.

ALARA

Solid Waste successfully implemented the use of Powered Air-Supplied Positive-Pressure Respirators (PAPRs) in a project to open a black box outer container and to repackage the inner containers. Prior to opening, potentially contaminated surfaces within the black box were coated using the passive aerosol generator.

The Radiological Improvement Strategic Plan is under final development.

The Personal Protective Equipment Advisory Group continues to work to mitigate heat stress during the conduct of out door work in the hot and humid south. PROTECH 2000 garments, the Eliminator Kool Vest, and the Kapler CPF1 suit are personal protective equipment that the advisory group supports for use on site.

Coming Events of Interest

Inventure Laboratories SAFEVAC Criticality Safe Vacuum System demonstration, sometime in August

HANFORD

Need information, visit their website (http://www.hanford.gov/alara/).

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