

Report Number 010
Month September
Year 2003

**SRS Radiological Operations Support Center (ROSC)
Radiological Technology Center (RTC)
Activity Report Number 10, from 8/30 to 9/24/2003**

Assistance, Demonstrations, Research and Tours

The RTC continues to share information with the Naval Fuel. Most recently, as a part of Contaminated Large Equipment Disposition team and the "proof of principle" in disposing of a glove box to Solid Waste.

The erection of the panelized enclosure in the north end of building 315-M is near completion. The enclosure contains the training area and four offices to support radiological operations and waste minimization / pollution prevention activities. The training area contiguous to the enclosure is currently being laid out by the training point of contact. Classes are scheduled to begin in October.

An additional supply of PROTECH 2000 coveralls purchased with Waste Minimization and Pollution Prevention Program funding has been received from UNITECH. The intent is to expand the piloted use of a more breathable type of protective clothing beyond Solid Waste. New and improved TYVEK blue dot coveralls are also being piloted. TYVEK are disposable and PROTECH 2000 are launderable.

A paper titled "Improved Engineering Controls at the Savannah River Site" will be presented at the Health Physics Society midyear meeting in February of 2004. Specific means and measures championed by the RTC will be highlighted.

The RTC provided FDP with information on the Burndy Lightweight Portable Crimper, a tool which performs safe, efficient isolation of capillary tubes and pipe prior to cutting. The crimper can seal tritium contaminated stainless steel and copper tubing up to one inch diameter.

The RTC ordered four Jenkins Comfort System Eliminator Vests and associated accessories for the F-area Canyon/Outside Facility Surveillance & Maintenance Team.

The RTC provided the Saltstone Facility with Nilfisk Vacuum System accessories for use with equipment in the facility.

The RTC provided H-area Tank Farm with a Nilfisk GM625 vacuum system for cleaning around tank conductivity probes.

RTC support of RBOF efforts continue. Most recently, Casey Bough toured the RTC looking for a vacuum system that could be used for the basins. A vacuum system that has been successful in L-area was ultimately used. He was also searching for shielding that could be used on a tank top. Due to the immediate need, shielding of the dimensions needed from K-Area is being used.

ALARA training was conducted for 25 engineers on "ALARA Training for Technical Support Personnel". Information on the ROSC was added as appropriate. As a part of the orientation program, new hire engineers take facility tours. The ROSC is being established as a standard tour as a part of their training program.

The Small Article Monitor was returned to THERMOELECTRON Corporation.

New Vendor Information, Equipment and Visits

The RTC provided personal protective equipment support for the site to comply with NFPA 70E requirements for flame resistant clothing for workers exposed to potential, electrical flash arc hazards. The plans include work in radiological and non-radiological areas. For non-radiological work, it is estimated that 896 pairs of coveralls are needed on a weekly

basis. For radiological work, the estimate is yet being developed. The radiological approach may be as simplistic as using the coveralls recommended for non-radiological applications but in a distinctive orange color. From pilots with FR clothing, the recommended fabric is INDURA Ultra Soft [ultra soft is in 5.5 ounces and 7 ounces and INDURA is in 9 - 9.5 ounces (possibly, heat stress hazard at higher weights)].

ECOMASS TECHNOLOGIES conducted a seminar in the RTC and provided samples of the ECOMASS radiation shielding material. The material contains tungsten and a variety of thermoplastic resins. ECOMASS is a non-reactive and nontoxic alternative to lead.

Bill Pence with EH WACHS CO. visited the site and assembled both a split frame cutter and guillotine saw for display in the RTC.

Coming Events of Interest

ENCAPSULATION TECHNOLOGY PASSIVE AEROSOL GENERATOR demonstration on 7-October

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