

Report Number 016  
Month April  
Year 2004

ESH-RPS-2004-00051

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

**Assistance, Demonstrations, Research and Tours**

The ROSC recommended the use of Bartlett STRIPCOAT TLC Free, MSDS #21594-2 (at \$84 /gallon) as a substitute for ALARA 1146 (approaching \$ 125 /gallon). This recommendation is consistent with Cecil May, who was involved in a DOE sponsored evaluation at SRS in 1999.

Operations support was provided to Solid Waste with regard to storage of materials in black boxes.

The ROSC provided a NFS/RPS free standing drum hood exhaust for working with a 55-gallon drum in the new 772-F TRU Drum Processing Facility.

A wide variety of radiochemistry courses are being offered at different locations across the country. For detailed information about each course, future dates, or course registration, go to [www.radiochemistry.org](http://www.radiochemistry.org).

The ROSC provided a NILFISK GM80 HEPA vacuum and DESCO drill shroud with dust collector for drilling holes on a concrete floor in a High Contamination Area in FB-Line. And, a NILFISK GM80 was provided the F-Area Deactivation Team #2 for D&D activities in F-Area.

The ROSC provided 50 feet of 1.5 inch diameter vacuum hose to Naval Fuels for D&D activities.

Operations support was provided to the Legacy Source Team for D&D activities. Environmental Alternatives Inc. ([www.eai-inc.com](http://www.eai-inc.com)) has been contacted to provide information concerning decontamination

The ROSC received a gallon sample of Encapsulation Technology ET9700 Capture Permacoat, MSDS #35320-1. It is a contamination fixative that will be evaluated in Solid Waste.

**New Vendor Information, Equipment and Visits**

Regularly scheduled and special classes in "Radiological Containment" and "Glove Bag Installation and Removal" training were conducted. The lesson plan for the class was recently revised to reflect use of nylon zippers in place of press lock plastic seals. Detailed information about the courses is available through Melanie Gibson ([melanie.gibson@srs.gov](mailto:melanie.gibson@srs.gov)).

TRUTECH NUCUT Cutting Tool portable shear demonstration was held ([www.trutechllc.com](http://www.trutechllc.com)). NUCUT tools have been designed specifically for D&D and offers advantages with its unique construction. Major innovations include: the completely portable battery / power pack unit (90% recharge within 23 minutes) offers superior mobility; on-demand hydraulic power eliminates massive leak potential from continuous pressurized lines; and, the three-blade system allows continuous cuts through plate materials, allowing sectioning of items such as ducting, gloveboxes, or other interior components and virtually all materials (cut and size reduce steel, wood, concrete, ... plastics) encountered during demolition preparation activities.

Todd Rockwood and Chris Morgese with EVEREST VIT visited the ROSC to discuss remote visual inspection equipment to be added to the inventory.

NITROCISION, LLC cutting technology uses pressurized liquid nitrogen to cut, slice, trim or remove any coating with precision ([www.nitrocision.com](http://www.nitrocision.com)). The technology delivers an unequalled alternative waste treatment solution.

MJW Corporation ([www.mjwcorp.com](http://www.mjwcorp.com)) Electronic Visual Survey Program demonstration was well received. SRS may

well pilot for site wide implementation.

## **ALARA**

- " The request to host the 2004 SRS ALARA Conference in October 2004 has been submitted to the DOE for approval. Additional information will be provided as plans are finalized.
- " ALARA Project Descriptions for the DOE Occupational Radiation Exposure Report were submitted to the DOE.
- " The 2004 Radiological Improvement Strategic Plan is being developed.
- " Implementation of ALARA Reviews into the Automated Hazards Analysis (AHA) process is in the final stages. Additional information and procedure revisions will be communicated.
- " The assessment of ALARA Reviews with facility ALARA Coordinators is complete. The final report will be submitted when completed.

## **Coming Events of Interest**

- " BLADEWERX SABRE Breathing Zone Monitor demonstration on 6-May
- " F&J Specialty Products, Inc Air Monitoring Equipment demonstration on 12-May
- " CFM 3707 HEPA Vacuum System demonstration in May
- " ROSC Exhibit at SRS Safety Conference on 15 & 16-June

## **HANFORD**

- MEGA-TECH and Patton Hydraulics bring their new shear capable of cutting Schedule 40, 12" Stainless Steel piping
- RIDGID Tool catalog at <http://www.ridgid.com/Tools/Pipe-Cutters/index.htm> has axial and #209 radial pipe cutters allow you to cut "windows" into existing piping without grinding.
- Oak Ridge Filter Test Facility (FTF) rejection rate for the filters tested is about 5%. Causes for rejection include five categories: (1) Resistance, (2) Penetration, (3) Manufacturing Defects, (4) Purchase Order/Spec Discrepancy, and (5) Shipping Damage.
- "Rust Grip" (<http://www.supertherm.net/home.htm>) has the ability to galvanize metal and porous surfaces such as surfaces painted with lead-based paint. The surface is completely encapsulated and galvanized by the coating. "Moist Metal Grip" is an encapsulate coating that does not breathe. It seals interior surfaces extremely tight and will last for several years. "Non-Skid" and "Enamo Grip" encapsulate and seal exterior flooring, walls, and overhead surfaces. These products are tough and repel chemical spills and will withstand traffic.

## **Points of Contact**

SRS Radiological Technology Center, Building 315-M, Aiken, SC 29808

FAX (803) 725-2803

SRS Paging System (803) 725-PAGE

Robbie Bates	(803) 725-3935, Pager #14550	robbie.bates@srs.gov
Athena Freeman	(803) 725-5030, Pager #16551	athena.freeman@srs.gov
Lee Smith	(803) 725-3934, Pager #12977	lee.smith@srs.gov