

Report Number 25
Month January
Year 2005

ESH-RPS-2005-00001

SRS ALARA CENTER (AC) JANUARY 2005 ACTIVITY REPORT

**We plan to see you at the SRS ALARA WORKSHOP in Augusta, GA
on May 2 - 4, 2005 at the Augusta Towers Hotel and Convention Center.**

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The internal and external web pages continue to be updated. Need information on the SRS ALARA Center or need radiological operation support, visit the website at www.srs.gov/general/enviro/rosc/index.html. And for the FLUOR Hanford ALARA Center, visit their website at www.hanford.gov/alara/.

The ALARA Center facilitated the use of a DESCO (www.descomfg.com) dust free needle gun to remove fixed contamination between cell covers. And, ALARA Center facilitated design modifications and use of a DESCO dust free VERSATOOL in Tritium to remove a quarter inch weld in contaminated hood.

The ALARA Center personnel provided information to several audiences on the work support historically provided to the field to reduce risk, exposure and cost. Namely:

- Tour for Bill Johnson, SRS Executive Vice-President.
- Presentation at Phil Briedenbach's staff meeting.
- As a follow up, presenting information to Automated Hazard Analysis (AHA) mentoring briefings over the next four weeks. The briefing cover lessons learned from the use of AHA provide tips on how to make AHA a more useful tool, and offer ALARA Center assistance to field personnel.
- Presentation at the Generator Certifying Officials quarterly meeting.

Michael Negrón of HB Line requested information on the Helium bubble generator (www.sageaction.com) currently being used in Tritium to perform air migration studies. The Helium bubbles are less likely to adversely affect alarms/monitors than conventional smoke generators.

The ALARA Center personnel continue to support training opportunities, most recently in Glove Bag Installation and Removal training (TRWG5100) here in building 766-H. Assistance is being provided on revising that lesson plan. And, assistance is being provided to revise the Radiological Work Planners Guide. Some of the information in this planning tool duplicates information of the Radiological Containment Guide.

FRHAM STAY SOFT water repellent coveralls were provided to the F-Tank Farm and Solid Waste pilots. The water repellent coveralls will be used in place of 12-mil plastic suits to protect against liquid hazards. The resulting savings have been estimated 90% of the current cost.

The PASSIVE AEROSOL GENERATOR continues to receive extensive field use. The generator has been used most recently in the tank farms. And, FB Line has a future application.

Operation of the NIBBLER N500 was demonstrated in the 221-F Maintenance Shop for potential use in cutting a furnace lid in F-Area B-Line. The nibbler tool is a hand held punch press used in decommissioning operations for cutting and separating metals.

Assistance was provided to Solid Waste in the selection of shielding to reduce occupational exposure during work on PAD 15 work in E-area. Preferred shielding is lead blankets supported from racks.

The ALARA Center provided FDD with the most recent information on the MARCRIST FLOORSHAVER (www.concretecutters.com). The tool is designed to be used with a ventilation system for dust free operations. The

newest model has an LCD display that troubleshoots malfunctions.

DWPF was provided with samples of G/O CORP (www.gocorp.com) disposable coveralls and Tack Cloth.

Radiation Protection Services was provided with information to purchase invisible pigment blue (pixie dust) and a black light from DAY-GLO COLOR CORP (www.dayglo.com/DOCS/contact.html). The pigment and light are used to simulate contamination in a training environment.

NEW VENDOR INFORMATION AND VISITS

Input was provided to materials other than poly-vinyl chloride (PVC, used for fire retardant properties) that could be considered for use in the construction of containment huts and glove bags. The materials that retain pliability in cold weather are being considered on a case-by-case basis. Additionally, other materials that are lighter in weight than PVC are being considered for a roll off pan cover application.

DWPF was provided with an operator aid and information to purchase CONTRAD 70 from Fischer Scientific. The CONTRAD 70 product is an agent used in the 772-F Analytical Laboratory to decontaminate cell waste.

FRHAM SAFETY PRODUCTS INC (www.frhamsafety.com) visited the site and the provided an overview of other products. The ALARA Center and Procurement Management sponsored the visit.

COMING EVENTS OF INTEREST

- John Shannon of NFSRPS (www.nfsrps.com) presenting a ventilation seminar in February

ALARA

The SRS 2005 ALARA Goals have been approved (<http://shine01.gov/eshqa/shops/alara/>).

HANFORD

- Some Hanford locations use Fein (www.fein.com) saws from Sears that have two rotating blades. Each blade rotates in the opposite direction so there is no "kick-back" when material is cut. Testing revealed the saw could cut 1" diameter stainless steel tubing and other lighter materials.

- Looking for an inexpensive containment with sidewalls for personnel to use in donning/doffing PCs, go to E-Z Up containments (www.elitedeals.com/canopy.html).

POINTS OF CONTACT

SRS ALARA Center, Building 766-H, Aiken, SC 29808

ALARA Center, Room 1027	(803) 208-0658
FAX	(803) 208-0518
SRS Paging System	(803) 725-PAGE

Robbie Bates	(803) 208-3601, Pager #14550
Athena Freeman	(803) 208-3603, Pager #16551
Lee Smith	(803) 208-3602, Pager #12977

robbie.bates@srs.gov
athena.freeman@srs.gov
lee.smith@srs.gov