

## SRS ALARA CENTER (AC) OCTOBER 2007 ACTIVITY REPORT

### ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at <http://irmsrv35.srs.gov/general/programs/alara/>  
The internal SRS ALARA Center website is available in ShRINE at the ES&H Regulatory and Radiological Technologies web-site. [www.srs.gov/general/programs/alara/](http://www.srs.gov/general/programs/alara/)

The FLUOR Hanford ALARA Center website is available at [www.hanford.gov/rl/?page=973&parent=0](http://www.hanford.gov/rl/?page=973&parent=0)

The ALARA Center worked to resolve an issue with the G/O Corporation 5 gallon carboy in Stores. Caption item number 32-21894.00 has replaced 23-1300.00. The new caption item number is the same carboy but it includes plug closure instructions and an inner 3/4 inch plug to be used after removing the HEPA filter assembly. A 3/8" drive torque wrench and two sockets (one for the 2" buttress plug and the other for the 3/4" inner plug) will be required to properly install the plugs. Below are the additional caption item numbers assigned by Procurement. This information is also included in the description of the 5 gallon carboy (caption item number 32-21894.00).

- 3/8 inch drive torque wrench socket for 2 inch pastiplug, 32-21895.00
- 3/8 inch drive torque wrench socket for 3/4 inch inner plug, 32-21897.00
- 3/8 inch drive torque wrench, 67-17.25 or 67-17.10 or equivalent
- HEPA Filter, 32-4772.00
- Adapter, 23-14197.65
- Tubing, 23-18080.00
- Pinch clamp, 23-14197.65

Below are pictures;



5 gallon carboy      Closure instructions      Sockets

Here are the closure instructions 

The ALARA Center provided D&D with a Nilfisk VT Mercury Vacuum system for use in 719-H Medical Facility due to a broken blood pressure manometer resulting in a mercury spill.

The ALARA Center demonstrated operation of the Dover Crimping System to personnel from Pit Disassembly Conversion Facility. This system is an alternative to the traditional horsetail and cutting method.

[www.ilcdover.com/products/pharm\\_biopharm/operations/doverpac.htm](http://www.ilcdover.com/products/pharm_biopharm/operations/doverpac.htm)

Attached below are the results of a test completed by the SRS Containment Fabrication Facility documenting the effectiveness of Enduro Shade material in reducing the temperature inside containments. Questions can be directed to Randy Reames at (803) 557-6719. This test documents the benefit of using Enduro Shade material to reduce the temperature inside containments during high temperature days. 

The ALARA Center loaned three EZ Reachers to personnel in the Savannah River National Laboratory for use in a Homeland Security project to handle sealed radioactive sources.

The ALARA Center provided F-Area Completion with samples of HexArmor Hercules Hot Box gloves and 5033 SteelLeather III gloves for potential use over glove box gloves when reprocessing TRU waste. The SteelLeather III glove now available in XXXL was preferred and ordered for further evaluation. 

This is a reminder that SoftKnees disposable knee pads are available in Stores (32-20725.00). They are peel and stick application used to protect the knee and add comfort. There is 36 pair per case.

## **VENDOR INFORMATION AND VISITS**

Technical representatives from DMS Ltd were in the Savannah River Research Campus October 8 & 9 to demonstrate operation of their Mobile RF Welder. The demo was well attended and further research is ongoing for potential use in SRNL and H-Area facilities. Below is a picture of Angela Bowser and Carolyn Conley from SRNL operating the welder to seal a poly sleeve. Med Allen from SRNL is in the background.



Mike O'Neill with Cellular Bioengineering Inc. visited the ALARA Center on Oct. 16 and demonstrated use of Decon Gel 1101. It is a one-component water-based, broad application, peelable decontamination hydrogel that lifts, binds and encapsulates contamination into a rehydratable polymer matrix. The site MSDS for this chemical is 38502-1. It has been used successfully in H-Area Canyon and SRNL. Stop by the ALARA Center if you are interested in seeing this product. Below is a picture of Decon Gel 1101 being applied to an SRNL hot cell window to fix contamination prior to relocation.



The Desco Manufacturing Southeast Regional Manager, John Soeder, visited the ALARA Center on October 17 to discuss their line of dust free surface preparation tools. John has an extension background in coating application and removal and will return in 2008 to conduct a tool safety, selection, and maintenance training class. [www.descomfg.com](http://www.descomfg.com)

John Shannon with NFS-RPS will be in the ALARA Center on Nov. 20 to discuss their air filtration systems, shielding products, and Perma Con containments. [www.nfsrps.com](http://www.nfsrps.com)

## **POINT OF CONTACT**

Robbie Bates (803) 208-3601, Pager (803) 725-7243 ID #14550  
Ellen Parrish (803) 208-3603, Pager (803) 725-7243 ID #11617

[robbie.bates@srs.gov](mailto:robbie.bates@srs.gov)  
[ellen.parrish@srs.gov](mailto:ellen.parrish@srs.gov)