

SRS ALARA CENTER (AC) JULY 2007 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The SRS ALARA Center & SRS ALARA Program web-sites have been combined into one ALARA web-site. 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/

The FLUOR Hanford ALARA Center website is available at www.hanford.gov/rl/?page=973&parent=0

The ALARA Center worked to resolve an issue with the 5 gallon carboy container used at SRS (Stores caption item number 23-1300.00). Although the container has been used for 15 years, the site was not aware that a torque wrench was needed to properly install the buttress plug. The ALARA Center worked with the supplier (G/O Corp) to provide plug closure instructions with each container. 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. Procurement will assign a new caption item number that will include the container with the closure instructions and inner plug. Closure instructions and the inner plug have been added to each carboy in Stores. Below are pictures



Carboy (front)

Carboy (top)

Torque wrench sockets

The site ALARA Coordinator met with site planners and ALARA coordinators to discuss the feasibility of adding pre and post ALARA review OSR forms into the Assisted Hazard Analysis (AHA) database.

The ALARA Center provided the Defense Waste Processing Facility (DWPF) ALARA Coordinator with a pair of International Biomedical non-lead radiation attenuating gloves and ProGuard radiation reducing sleeves to be potentially worn by workers to reduce extremity exposure during specified jobs.

www.int-bio.com/gloves.php, www.pnwx.com/Accessories/LeadProducts/Gloves/Proguard/

The ALARA Center provided Savannah River National Laboratory (SRNL) with a Jenkins Comfort Systems Eliminator Vest demo system and a Bullard ISOTHERM Cool Vest for outdoor use to combat heat stress. SRNL will evaluate the systems for potential use in the future. Solid Waste rad con purchased a system in June and where pleased so operations has purchased also the systems www.jenkinscomfor.com

The ALARA Center loaned H-area Tank Farm a NFS MAC-21 ventilation system to inflate a containment hut. Contact the ALARA Center if you need a MAC-21 filter/pre-filter clamp. The ALARA Center has a few extras available.

The ALARA Center ordered a Nilfisk GM-80I HEPA filtered vacuum system with a variable speed controller for F-Area Tank Farm. Upon delivery from the manufacturer, the ALARA Center will install the HEPA filter and variable speed controller before deployment to the field. The Filter Test Group must also test the installed HEPA filter before it can be used for radiological use. www.pa.nilfisk-advance.com/ProductDetail.aspx?m=5

The ALARA Center was asked by Solid Waste to recommend a tool for cutting off the 5/8 inch bolt on a 55 gallon drum lid ring in a glove box. The lids to be removed are extremely old and an impact wrench will not work in some cases. Options include;

- An electric sawzall with shroud (There are many manufacturers). See www.magbit for heavy duty blades to cut metal
- HK Porter W1770 cutter head that can be driven by foot pump, pneumatics or hydraulics, weighs 22 lbs. but can be suspended by spring balance
www.cooperhandtools.com/brands/CF_Files/model_detail.cfm?upc=037103904287
- HK Porter 9290C cutter head driven by pneumatics. Weighs 18 lbs.
www.cooperhandtools.com/brands/CF_Files/model_detail.cfm?upc=037103924988

The ALARA Center inventory of the disk smear tool was depleted so approximately forty were assembled to fulfill future request from site radiological control organizations.



NEW VENDOR INFORMATION AND VISITS

On July 9, 2007 Bill Pence and John Gruntfest with EH Wachs Tools visited SRS and met with H-Area Canyon personnel to discuss design of a cutting tool.

Rory Mackenzie with Industrial Automation Services, Inc. will be at SRS on August 21, 2007 to demonstrate operation of the dms RF Welder. The demonstration will take place in the 705-C Containment Fabrication Facility.

Hanford was looking for a climate controlled ventilation system to use with containment huts. NFS-RPS can provide a ventilation system with a heat pump. For Hanford's application a 700 cfm SP-700 unit with a heat pump rated at 25,000 BTU/hr cooling and 26,000 heating. Please note that at SRS any new HEPA filtration unit must be approved by the Site Ventilation committee before purchasing.

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