

SRS ALARA CENTER (AC) NOVEMBER 2006 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at <http://www.srs.gov/general/programs/alara> . The internal SRS ALARA Center website is available in ShRINE by performing a quick search on ALARA or ALARA Center.

The “New” PPE Database describes personal protective and safety equipment available at SRS on the ALARA Program website available in ShRINE by performing a quick search on ALARA or ALARA Program.

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

Ellen Parrish, the WSRC Site ALARA Coordinator reported to the ALARA Center on 11/13/06. Welcome Ellen!

The ALARA Center provided D&D Radcon personnel with tools for holding large area and disk smears that can be attached to an extension pole. SRS Radcon personnel can contact the ALARA Center to obtain the tools and/or extension pole. (See picture below)



The ALARA Center ordered five cases of Frham StayCool disposable waterproof coveralls for waste Certification facility support black box work in H-Canyon truckwell. www.nfsrps.com/lwsxxx.html

The ALARA Center received two arm shielding sleeves listed below for potential use in shielding worker extremity exposure to the forearm in applications where a tungsten surgeon glove will be used.

- Proguard Radiation Reducing Sleeve
www.pnwx.com/Accessories/LeadProducts/Gloves/Proguard/
- Shielding International Lead Sleeve www.shieldingintl.com/gloves/sleeve.htm

The 7/32 inch diameter yellow and magenta polypropylene safety rope is no longer available from SRS Stores. It has been replaced with a 5/16 inch diameter yellow and magenta rope 600 feet per roll. The Stores caption item number is 32-20615.00.

The ALARA Center recommended HB-Line use a Tiger-Vac Model MV-1CR without Back Pack HEPA vacuum for an application where criticality is an issue. The collection capacity of this vacuum is only 0.5 gallons. www.tiger-vac.com/Products/CleanRoom/MV-1/MV-1%20main.html

The ALARA Center provided support to F-Canyon TRU reprocessing work. A Nilfisk GM-80 HEPA vacuum system and associated accessories is being used to clean HEPA filter metal screens to increase glove box differential pressure and allow work to continue.

The ALARA Center (AC) provided support to H Tank Farm for workers excavating in areas of high contamination and high beta rates. The AC recommended Bartlett PBS to control the contamination and 22 mil PVC from the Containment Fabrication Facility to reduce the beta radiation exposure rate.

The WSRC Site ALARA Committee will meet on 12/7/06 to determine the 2007 WSRC ALARA (radiation exposure) goals.

The new Unitech Services radiological use laundry bag (Part #BAG-HTF) below was developed at the request of Dennis Boring, SRS Tank Farms, as a corrective action after an employee was injured in H Tank Farm. The new design should reduce the hazards associated with the old laundry bags by: reducing the weight of a full bag of laundry by 50%, reducing the hazard associated with removing the bag from the weather container, and improving visibility when transporting. Contact Andrew Beckett with Subcontract Technical Services at (803) 646-5404 to purchase.



NEW VENDOR INFORMATION AND VISITS

On 11/15/06 a representative from Unitech Services, the ALARA Center, and Industrial Hygiene Programs conducted a site demonstration of the following items for use in cold environments;

- ITW Personal Air Conditioners www.itwvortec.com/personal_air.php
- Jenkins Eliminator Vest www.jenkinscomfort.com
- Artic Heat Cooling Vest www.articheatusa.com
- The SWEDE 2 Phase (heat and cool) vest www.frenatus.com/econtent
- Heating Vortex Tube (contact Ed Kvartek or Heather Farrer @ SRS)

The ALARA Center received samples of the following gloves from HexArmor; Style 2020 SuperFabric full protection glove (a prototype sample of this glove to fit over a dry glove box glove will be received soon), 4018 HiDex Ultimate L5, 5033 SteelLeather III, 400R6E, 3025L Hercules One – Oil Grip. www.hexarmor.com

The ALARA Center received a prototype cover from NFS-RPS to fit over a lead blanket to prevent the blanket from getting contaminated. A second prototype cover should be received soon. A sample lead snake 1 inch diameter by 2 feet long was received for potential shielding application in the Modular Caustic Side Solvent Extraction Unit (MCU) process. www.nfsrps.com/lwsxxxx.html

UPCOMING VENDOR DEMONSTRATIONS AND VISITS

Comtronics Cobalt communications systems demo, December 12, 2006
Intellegation LLC, tool and equipment design demo, January 18, 2007

POINT OF CONTACT

Robbie Bates (803) 208-3601, Pager (803) 725-7243 ID #14550 robbie.bates@srs.gov
Ellen Parrish (803) 208-3603, Pager (803) 725-7243 ID #11617 ellen.parrish@srl.doe.gov