

SRS ALARA CENTER (AC) JUNE 2005 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

Be looking in the near future for the new and improved SRS ALARA Center web site. Currently, information is available at www.srs.gov/general/enviro/rosc/index.html. The FLUOR Hanford ALARA Center website is available at www.hanford.gov/alara/.

Personnel from the ALARA Center continue to be involved with planned and systemic actions to alleviate heat stress in the upcoming summer work. This includes:

- Work with Closure Business Unit (including interaction with the morning call)
- Work with in the Personal Protective Equipment Advisory Group
- The efficacy of OREX products are currently being investigated in F-Tank Farm
- Participation in Heat Stress Prevention Fair in F-Tank Farm, sponsored by a joint LSIT Action Plan. Others are scheduled in July for H-Tank Farm and ETP.
- Provided H Area Outside Facilities with FRHAM Stay Cool disposable coveralls for work in the 181-5H water basins

Personnel from the ALARA Center provided assistance to DWPF on STMI Decontamination (thixotropic Cerium IV) Gels. The gel is intended to be used to attempt to remove fixed contamination on a through tube for a massive size manipulator.

Assistance was provided to Analytical Labs on NFS-RPS MAC21 (Modular Air Cleaning). The HEPA filters for the air cleaning unit are purchased with a FLANDERS reference number not the NFS-RPS reference number.

RADCON Annual Training that begins in July includes a tour of the ALARA Center. The intent of the tour is to expand the use of engineering controls in the conduct of radiological work across SRS.

The ALARA Center teamed with Solid Waste Pollution Prevention and the Containment Fabrication Facility to display products used in the performance of work at SRS for the 2005 Safety Conference. The interactive display included a containment hut, glove bag used for taking dip samples, various types of PPE such as cool shirt and eliminator vests, and back board. The interactive display was the "Best Display of On-the-Job Safety Imperatives" award winner (see the attached).

The ALARA Center provided information and a demonstration of the Delta Protection plastic suit and PAPR plastic suit to the Closure Business unit and the Respiratory Equipment Facility. Industrial Hygiene is investigating various respiratory protective alternatives to current practices.

The ALARA Center received a sample holder from Hanford's ALARA Center. The holder was made of ECOMASS (tungsten and poly) pellet. It is not porous like lead and is easier to decontaminate. Photographs of the holder were sent to potential SRS users.

The ALARA Center ordered five 16 feet extended, light bulb changers to be modified for taking large area radiological smears in hard to reach areas.

Passive Aerosol Generator training of F Area B-Line personnel was conducted so the facility can use the generator to fog cabinets.

The ALARA Center provided the Tritium Extraction Facility with 3 inch thick foam to fill a 3 inch by 3 inch by 72 inch void space in a wall. The foam can be easily removed and replaced following a contamination event if necessary.

The new skid proof, pebble finish step off pads with words, "REMOVE ALL PROTECTIVE CLOTHING BEFORE STEPPING HERE" is now available thru Stores. The caption/item number for the pad with rubber back mat is 32-16912.00. The caption/item number for the pad without rubber mat is 32-16910.00. Both step off pads are on display in room 1027.

The ALARA Center provided information to H Area B-Line concerning Soft Knees disposable adhesive knee pads (www.softknees.com). The ALARA Center has submitted paperwork to store stock this item due to need in the facilities.

The ALARA Center and Containment Fabrication Facility provided information to Solid Waste on methods to cut and simultaneously seal plastic sleeves. A method from Hanford for sleeves that that has been "horse tailed" is an Electric Rope Cutter (www.cableorganizer.com/hot-knife/electric-cutters.htm). The hot blade simultaneously cuts and seals the material. A method for sleeves that is laid out flat and not "horse tailed" is a radio frequency welder, heat sealer.

NEW VENDOR INFORMATION AND VISITS

NILFISK visited the ALARA Center. The purpose was to audit the inventory of supplies and introduce their new sales representative, Andy Doyle.

ALARA

The ALARA Center in building 766-H and the Containment Fabrication Facility in building 705-C continue to have a synergistic relationship with containments and maintaining exposures as low as reasonable. Access to the WSRC Radiological Containment Guide (WSRC-OS-94-14) and the recent revision the Radiological Guide for Planners (WSRC-IM-99-00001) is available via the Reference Shelf of the ALARA Center web page.

TOPICAL VENDOR DEMONSTRATIONS IN THE FUTURE

- Die Quip Corp and their line of KRENN cutters (www.diequip.com) for size reduction work inside of glove boxes

LESSONS LEARNED FROM HANFORD

ALARA techniques are summarized in the presentation on "Decontamination of Extraction Cell-2 at the West Valley Demonstration Project" (see the attached).

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