

SRS ALARA CENTER (AC) MARCH 2007 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 **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

The ALARA Center met with a representative from HTF to review garments on display in the ALARA Center to combat heat stress. Attached is an Excel spreadsheet of the items. 

The ALARA Center provided information and ordered two Nilfisk Compact HEPA Filtered Vacuum systems for DWPF. This is an electrical powered system that is worn on the back of the user to provide maximum mobility. A demo system is on display in the ALARA Center.

The ALARA Center provided the Hanford ALARA Center with a disk smear tool manufactured and used at SRS when performing surveys at an extended distance. Four tools and extension poles were provided to D&D RCO for work in P-Area.

The ALARA Center provided F-Area Operations with a Nilfisk GM-80 HEPA Filtered Vacuum System to ventilate a glove bag used on a radiological system.

The ALARA Center ordered signs for radiological use (yellow background with magenta writing) guaranteed for 15 years against fading, chipping, peeling or cracking for Soil and Groundwater Closure Project RCO and F-Area Tank Farm. The signs have for posting. www.gocorp.com

The ALARA Center had the two new skid resistant pebble finish step-off pads shown below manufactured at the request of Liquid Waste RCO. The will be available with or without a rubber mat backing. The SOPs will be store stocked if demand dictates. Please contact the ALARA Center if you are interested in obtaining these signs.



The ALARA Center was contacted by personnel from the Saltstone Facility who needs to surface prep about 7000 square feet of contaminated concrete wall. Desco dust free surface preparation tools connected to Nilfisk GM-625 HEPA filtered vacuum systems was recommended.

A member of the ALARA Center attended the 07 Waste Management Symposia in Tucson, AZ 2/25 – 3/1. There were 165 vendor exhibits and several items of interest will be further investigated for SRS applications.

The ALARA Center recommended the Frham StayCool Waterproof disposable coveralls to F-Area Operations who was looking for a disposable coverall to wear in an area where water dripping from overhead was an issue. www.frhamsafety.com/nuclear/coveralls/flame/fr_and_disposable_fr.htm

The SRS ALARA Center provided DWPF with information on the Unitech Services 01-A Stanchion for possible use at step-off pads for workers to lean on when removing shoe covers.



The ALARA Center ordered two Infab “Green Light” and four Bar-Ray StarLight aprons from Pacific Northwest X-Ray Inc. for F-Area Operations personnel to wear when reprocessing TRU waste to reduce worker occupational radiation exposure. Both style aprons are lead free and will be evaluated before additional aprons are ordered. www.pnwx.com/Accessories/LeadProducts/Aprons/Infab/Velcro/
www.pnwx.com/Accessories/LeadProducts/Aprons/BarRayVari-Flex/

Any organization at SRS in need of a MAC-21D ventilation system should contact Doug Glass at 2-3249, or cell (803) 507-3091. F-Area has an extra one available.

The ALARA Center was contacted by Tank Farms personnel seeking a better cable tie for securing containments to tube lock. A Panduit Co. nylon weather resist one thirty inches long rated for 120 pounds is currently being used but at times is stripping out when under a load. Panduit is sending the ALARA Center samples of a similar cable tie that has a metal barb.

NEW VENDOR INFORMATION AND VISITS

Dynamic Manufacturing Services (dms) has a 110V RF Welder designed for sealing radioactive waste in PVC sleeves as part of the bagging our process. This technology is industry standard at British Nuclear Group and has also been adopted by other UK and a few U.S. nuclear facilities. Contact the ALARA Center if you are interested in seeing a site demonstration.

On 3/21/07 John Shannon with NFS-RPS visited the ALARA Center and met with approximately 25 people from SRS to discuss ventilation equipment, permacon containments, and shielding. Design of a lead blanket cover was also discussed.

On 3/27/07 Heatherly Dukes with Unitech Services visited the ALARA Center and conducted a product demonstration that included personal protective equipment, heat stress relief items, weather resistant stanchions and signs, and tungsten products for reducing occupational radiation exposure.

The ALARA Center has added two more cooling vest on display in the heat stress section of the ALARA Center.

- The Bullard ISOTHERM Cool Vest – Soak the two packs in ice water for 10-15 minutes until they change to a semi-solid state. Insert them into the vest. The packs will remain at a constant 55° F for hours of cooling. This vest weighs seven pounds.
- The Arctic Heat Cooling Vest provided by Unitech Services – To cool place the entire vest in ice water for 15 minutes so crystals in pockets swell into a gel form. Twist to remove excessive water. The vest is now activated and should remain cool for approximately one hour. To extend the cooling effect place the activated vest into the freezer until frozen. This vest weights seven pounds.

Frham Safety Products Inc. will be in the ALARA Center on April 26, 2007 from 9 AM – 1 PM

POINT OF CONTACT

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