

## SRS ALARA CENTER (AC)

*Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.*

### NOVEMBER 2010 ACTIVITY REPORT

#### ASSISTANCE, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at [www.srs.gov/general/programs/alara/alara\\_center.htm](http://www.srs.gov/general/programs/alara/alara_center.htm)

The internal SRS ALARA Center website is available in InSite at the ESH&QA Regulatory and Radiological Technologies web-site. [www.srs.gov/general/programs/alara/](http://www.srs.gov/general/programs/alara/)

The 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 D&D Knowledge Management Information Tool (D&D KM-IT) is a web-based knowledge management information tool custom built for the D&D community. The system was developed by Florida International University – Applied Research Center (FIU-ARC) in collaboration with the Department of Energy (DOE EM20), EFCOG, and the ALARA Centers at Hanford and Savannah River. <http://dndkm.arc.fiu.edu/dndkm/>

The Avacen Grip (photo below) is a device developed to help people maintain their ideal core body temperature when working in extreme heat or cold conditions. Avacen uses a small vacuum to pull blood into the complex vascular structures (called AVAs) and keeps the AVAs open at the skin surface. Warm or cold temperature is applied to these open AVAs and then that warming or cooling is distributed by the heart to the core organs and muscles throughout the body. To view an example video of how the Avacen Grip works go to <http://www.avacen.com/avacen/action?do=overview&topic=quick>. For more information about the Avacen Grip contact Mark Dieterle at 1-800-878-4872.



The ALARA Center provided guidance to Tritium Operations personnel on the selection and use of a 5-gallon poly bottle to be used as a liquid catch containment device. The bottle cap was modified to connect the tygon tube directly to the cap because the typical HEPA filter configuration was not needed.

The ALARA Center ordered the following item for F-Area Tank Farm to reduce occupational radiation exposure

- Absorbtek Services Silflex Shielding (1/8 inch thick Silicone/Tungsten) size - 18 inch by 18 inch. no grommets  
[www.absorbtekservices.com](http://www.absorbtekservices.com)

The ALARA Center ordered the following ILC Dover items for F-Area Tank Farm for controlling contamination when making glove bag sleeve cuts. The crimping procedure is attached. 

Part No.	Qty	Description
HW6086	1	Crimping Tool (4 & 14")
HW6127	1	4" Crimp (100/box)
HW6084	1	14" Crimp (100/box)
ST24A4070-02	2	Cutter

The ALARA Center loaned Savannah River Remediation Management an Eletech EP800A Self Talker. The SelfTalker allows for a message to be recorded and then be played when a motion detector is activated. [http://www.eletech.com/Products/SelfTalker\\_Displays/selftalker\\_displays.htm](http://www.eletech.com/Products/SelfTalker_Displays/selftalker_displays.htm)

The ALARA Center provided a case (200/case) of Orex single use Skull Caps to F-Area Laboratory. The caps were needed for a Radiological Worker who had a scab on his head.

The Personal Protective Equipment Advisory Council (PPEAC) at the request of F-Area Tank Farm approved the site use of Hexarmor 400R6E Hercules gloves. F-Area Tank Farm personnel wear the glove when handling hose ribbed with wire. The SRS store stock numbers are 32-25137.00 (size 10 XL) and 32-25138.00 (size 11 2XL). <http://www.hexarmor.com/products/detail/hercules-400r6e/>



The ALARA Center provided Oak Ridge National Laboratory Radiological Technical support personnel with information concerning Personal Protective Equipment testing and radiation shielding products.

The ALARA Center provided information to the 4<sup>th</sup> Civil Support Team in Atlanta, GA concerning the spring loaded mop handles (SLMH-1 used by SRS Radiological Protection Department (RPD) personnel to conduct large area transferable contamination surveys.

The ALARA Center provided information to the Savannah River National Laboratory (SRNL) to procure forty-three Cool Tech modesty garments from Unitech Services. [http://www.unitechus.com/literature/CoolTech\\_Scrubs.pdf](http://www.unitechus.com/literature/CoolTech_Scrubs.pdf)

The ALARA Center provided assistance to SRS Radiological Engineers in obtaining Absorbtek Services, LLC and Zada Technologies radiation shielding samples for evaluation in the SRS Calibration Facility.

## **AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT**

The ALARA Center provided a Radiological Engineer with information concerning 15 pounds per square foot lead blankets that are three foot long and one foot wide. This specific blanket may be needed during D&D activities at the Heavy Water Components Test Reactor (HWCTR).

## **UPCOMING VENDOR VISITS**

Innovative Industrial Solutions, 12/8/2010, 766-H, Room 1040, presentation at 12 PM, available for questions until 3 PM.

## **ALARA CENTER POINTS OF CONTACT**

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