

**SRS ALARA & SAFETY COMMODITY (A&SC) CENTER**  
*Engineered Solutions for Radiological, Respiratory, Safety & Industrial Hygiene Applications.*

**APRIL 2011 ACTIVITY REPORT**

**ASSISTANCE, RESEARCH, AND TOURS**

The external SRS A&SC 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 A&SC Center website is available in InSite at the ESH&QA Regulatory and Radiological Technologies website. [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 A&SC addressed a question concerning face shield requirements for subcontractors using weed wackers to cut grass. In accordance with 8Q Procedure 61, *Personal Protective Equipment*, the face shield must meet ANSI Z87+ for high impact due to the potential for flying debris.

The A&SC recommended a Nilfisk GM80 with a variable speed controller to Savannah River Remediation (SRR) H-Area Tank Farm Radiological Protection Department (RPD) management for glovebag ventilation during camera repair work.

Pelican Advanced Lighting Systems offers portable lighting systems. The 9440 Remote Area Lighting System is the favorite system at the Hanford nuclear site. The 9440 weighs about 16 pounds and is about 3 feet in length when compressed for storage or transport. The 9440 has a strap so it can be carried into your work area. Set up time is about 10 seconds. The mast extends 7 feet high, with a 120 degree beam spread and up to 2400 lumens, and provides up to six hours of light. [http://www.pelican.com/lights\\_detail\\_specs\\_aalg.php?recordID=9440](http://www.pelican.com/lights_detail_specs_aalg.php?recordID=9440)



The Defense Waste Processing Facility ordered twelve mop handles to be used with the disk smear head used by RPD to perform radiological surveys.

The A&SC met with an Industrial Hygienist to discuss dust free tools and vacuums to be used to control silica dust. Input from construction will be used to compile a list of items to be posted on the A&SC website.

The A&SC addressed a question concerning hearing protection ratings of wireless communication systems used at SRS. Comtronics Industrial who is a primary supplier of wireless communication systems to SRS does offer headsets with hearing protection ratings.

The A&SC store stocked the replacement sweatband for the Sperian Uvex Bionic Face Shield. The caption item number is 32-25529.00. The following additional Uvex Bionic products are already store stocked.

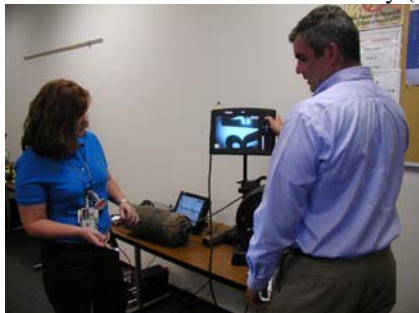
- Sperian S8500 Uvex Bionic Face Shield with Suspension (hard hat adapter not included), 32-25139.00
- Sperian S8550 Clear Uncoated Polycarbonate Visor, 32-25140.00
- Sperian S8565 Shade 5.0 Uncoated Polycarbonate Visor, 32-25141.00
- Sperian S8590 Hard Hat Adapter, 32-25142.00

[http://www.sperian.com/Products/Uvex/Eye\\_and\\_Face\\_Protection/Uvex\\_Bionic.aspx?site=/americas](http://www.sperian.com/Products/Uvex/Eye_and_Face_Protection/Uvex_Bionic.aspx?site=/americas)



The ALARA Center was toured by twenty-two Aiken Technical College Radiological Protection Technician students and multiple students from SRS Radiological Worker II classes.

The Advanced Inspection Technologies (AIT) SRS demonstration of their line of remote inspection equipment was well attended. Below Sean Alexander from AIT demonstrates operation of the new Vuman system to Monica Phillips from Savannah River National Laboratory (SRNL) Imaging & Radiation Systems.



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

The A&SC Center ordered seventy spring loaded mop handles (Peters Machine & Welding part number SLMP-1) for H-Canyon TRU activities. The mop handles are used by RPD to hold atomic swipes when performing large area surveys.

The A&SC Center has a sample of the Unitech Services CoolVest made in the United States. It was previously called the TempVest made in Germany. The Outlast Adaptive Comfort technology used in the lightweight vest was originally developed for NASA. Attached is a brochure.



## **UPCOMING VENDOR VISITS**

Sharp Business Systems, 5/19/11, 766-H Rm 1027

## **ALARA CENTER POINTS OF CONTACT**

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