

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

JULY 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

The internal SRS A&SC Center website is available in InSite at the ESH&QA Regulatory and Radiological Technologies web-site. www.srs.gov/general/programs/alara/

The Hanford ALARA Center website is available at 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. www.dndkm.org/

The A&SC Center provided H-Area Tank Farm Radiological Protection Department (RPD) personnel specifications for a Radiation Protection System L-shaped Perm-Con modular containment structure to be used as an airlock on an existing gang valve house. <http://www.nfsrps.com/prod/4>

The A&SC Center met with H-Canyon Operations personnel to discuss personal protective equipment to combat heat stress. They were interested in the 50D ProVest Cooling Vest. 50D cooling solutions utilize a proprietary heat transfer and storage formula known as HTF Exotherm (HTFx). HTFx absorbs and traps heat from the body. They were also interested in the Quantumwear single use disposable coveralls.

The A&SC Center provided the Tritium facility with information to purchase a Unitech Services stanchion (product number US-Stanchion 01-A). It weighs about 32 lbs. and is 40 inches high. The base is 15 inch diameter and 3/8 inch thick. It will be used at a step-off pad for workers to balance themselves when removing personal protective equipment.



The A&SC Center was contacted by the Hanford Washington ALARA Center inquiring about underwater cutting tools. CS Unitec was recommended. <http://www.csunitec.com/saws/air-chain-saws.html?gclid=CI6V-r-wnKoCFYrb4Aodwzncyw>

During the month of July the A&SC Center loaned a variety of heat stress reduction items to numerous organizations for use during safety meetings.

The A&SC Center at the request of the F-Area Tank Farm Local Safety Improvement Team (LSIT) has store stocked (32-25705.00) the Ansell white ThermaKnit Insulator Warmth Protection glove. It will be used during the winter months as a glove liner. <http://www.ansellpro.com/main/productSearch3.asp?pid=127>

The A&SC provided Spent Fuels Project RPD with the following tools for performing radiological surveys under a suspended load.

- disk smear survey tool attached to an 18 foot telescoping pole for contamination surveys
- six foot telescoping hovering walking stick for holding a Bicron radiation dose rate instrument

The A&SC Center ordered four of the Tack Roll refills listed below for F-Area Laboratory Radiological Protection Department personnel needing a tacky material to locate contamination on a laboratory floor.

Product No.	Description
GJ1027	G/O Corp 18" Tack Roll refill only – 40 sheets perforated every 12 inches

The A&SC Center ordered a case of Eastern Technologies white single use Trilaminare low cut shoe covers (part number CS1610-Large) for a Health Physics Department employee who is allergic to latex.

An A&SC facility tour was provided to eight students enrolled in the Radiological Protection Technician course at Aiken Technical College and twenty-five members of the Georgia Section of the American Industrial Hygiene Association (AIHA).

The A&SC recommend Tiresocks to an organization needing to protect tires from radiological contamination. TireSocks are constructed using heavy duty fabrics and can be made to fit any size tire. They are easy to install, don't slip off the tires and self center as you drive.



AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The A&SC Center ordered one hundred and twenty-five Ergodyne Chill-Its 6602 Cooling Towels for Solid Waste Management. Dampen this chamois to create a cooling aid significantly cooler than ambient air. <http://www.ergodyne.com/products/pages/default.aspx?PRD=296&PCA=14>

The A&SC Center provided D&D with a disk smear survey tool attached to an 18 foot telescoping pole. It will be used to take radiological smears inside a ten foot diameter by fifty foot long tank.

The A&SC was contacted by F-Area TRU management concerning a fire protection issue associated with the use of aerosol paint to fix contamination on the back of air-supplied plastic suits prior to cut-out. Since the paint is flammable an alternative product is needed. A gallon of InstaCote CC Doff procured and evaluated in F-Area determined that it does not dry as fast as the aerosol paint currently used but is satisfactory for use as a fixative. <http://www.instacote.com/cc-doffing.htm>

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