

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

MAY 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. <http://dndkm.arc.fiu.edu/dndkm/>

The Site ALARA Committee met on May 18th to review the 1st Quarter Performance Indicators, +/- 25% discrepancies between the 2011 facility ALARA goals and the actual dose for the quarter, the 2010 ALARA Success Stories, and the revision to the ALARA dollar per Person-Rem value of \$6600 to \$8500. Upon approval, the meeting minutes will be added to the ALARA Web Site. The following ALARA Success Stories were submitted to DOE.

- F-Area Tank Farm (FTF) Tank 6 sludge Heel Removal
- FTF Submersible transfer Pump (STR) Replacement
- K-Area Complex Installation of Californium Shuffler
- Defense Waste Processing Facility Slurry Mix Evaporator Coil Assembly Repair

The A&SC provided Spent Fuel Project (SFP) and F/H Laboratory RPD personnel with Kestrel 1000 anemometers. SRS Manual 5Q1.2 Procedure 496, *Radiological Containments*, states that the Kestrel 1000 is the preferred vane anemometer for site Radiological Control use and is available from the ALARA Center. The Kestrel 1000 calibration is good for two years from the date it is placed into service. Due to the low cost they are discarded after two years rather than maintaining a calibration program. The ALARA Center labels each Kestrel 1000 with a calibration expiration sticker at the time of issuance.

The A&SC provided the Burial Ground Operations with information to procure a 48 inch two speed Port-a-cool Portable Evaporative Cooling Unit. It will be used by personnel to stand in front of to cool down following work. www.port-a-cool.com/pac2k482s.htm

The A&SC store stocked the following Sperian products.

- Sperian S8510 Uvex Bionic Face Shield with Suspension, anti-fog visor (hard hat adapter not included), 32-25545.00
- Sperian S8555 Clear Uncoated Polycarbonate Visor, anti-fog, 32-25546.00

http://www.sperian.com/Products/Uvex/Eye_and_Face_Protection/Uvex_Bionic.aspx?site=/americas

The following Quest Quantumwear single use disposable garments are now store stocked.

Quantumwear white, single use disposable coverall w/attached hood/boot. Front zipper reinforced knees & elbows, doffing & dosimeter straps, front chest pocket, reinforced stitching w/bound seams. High particle hold-out, light splash protection (not waterproof) applications where heat stress is an issue. 25 per case. Large 32-25555.00, XL 32-25556.00, 2XL 32-25557.00 3XL 32-25558.00, 4XL 32-25559.00, 5XL 32-25560.00, 6XL 32-25561.00.

Quantumwear white, single use disposable coverall w/pigtail for use with Bullard Dual-Cool Cooling Vest. Front zipper reinforced knees & elbows, doffing & dosimeter straps, front chest pocket, reinforced stitching w/bound seams. No attached hood/boot. High particle hold-out, light splash protection (not waterproof) applications where heat stress is an issue. 25 per case. XL 32-25562.00, 2XL 32-25563.00, 3XL 32-25564.00, 4XL 32-25565.00, 5XL 32-25566.00.

Quantumwear white, disposable lab coat with zipper, elastic at wrist, left thigh pocket and dosimeter strap at left breast. 30 per case, XL 32-25569.00, 3XL 32-25570.00, 6XL 32-25571.00. This lab coat is being used in the Defense Waste Processing Facility.

Already store stocked are the Quest Quantumwear white, single use disposable coverall, front zipper, reinforced knees w/doffing and dosimeter straps and front chest pocket. Reinforced stitching w/bound seams. High particle hold-out, light splash protection (not waterproof) applications where heat stress is an issue. No hood or boot attached. 25/case. XL 32-24752.00, 2XL 32-24753.00, 3XL 32-24754.00, 4XL 32-24755.00, 5XL 32-24756.00, hood 32-24757.00, boot 32-24758.00.

The A&SC Center provided the Saltstone Facility with information to order the following HEPA filtered vacuum system to be used in the Process Room. www.nilfiskcfm.com/IndustrialVacuums/VT_60_Wet_Dry_Vacuum_Cleaner/88

Quantity	Part No.	Description
1	01799500	VT 60 Wet/Dry Vacuum includes microfilter and trolley assembly
1	01727631	HEPA Filter Cartridge (retains 99.97% @ 0.3 microns)
1	01782950	Inlet coupler w/medal tube for VT line
7	01716200	1.5 inch antistatic black plastic hose (per meter)
2	01716300	Antistatic cuff
1	10944000	Curved steel wand with ball joint removed
2	11027200	23 inch straight steel wand

The A&SC Center provided spring loaded mop handle information (Peters Machine & Welding part number SLMP-1) to Savannah River Remediation (SRR) for the Saltstone Facility to order twenty and F-Tank Farm (FTF) to order thirty. The mop handles are used by RPD to hold atomic swipes when performing large area surveys.

The A&SC Center ordered the following Nilfisk HEPA filter vacuum system for the 725-2B Instrument Calibrations Facility to ventilate a glovebag used to repair potentially contaminated Canberra CAM heads. www.nilfiskcfm.com/IndustrialVacuums/GM_80i_Vacuum_Cleaner/5

Quantity	Part No.	Description
1	01790632	GM80I. GMPJ 115V HEPA Micro. Includes: Heavy duty fixed trolley, 32 mm neoprene hose, curved steel tube, (2) straight steel wands, dust brush, crevice nozzle, and wheel floor nozzle
1	01790632	Variable speed controller

The A&SC Center provided FTF with information to order a Unitech stanchion (product number US-STANCHION-05A). The unit consists of a yellow swing gate, 15 inch square, 3/8 inch Thick Base, two piece breakdown post, gravity activated, 48 in high, 30 in swing arm.

The A&SC Center ordered one hundred posting inserts from The Barr Group with the following words, RADIOLOGICAL BUFFER AREA, RWT 1 (Training or qualified escort Required for entry)

The A&SC Center was contacted by F/H Laboratory Radiological Protection Department personnel needing a product to spray inside a glovebox to fix contamination that could be removed with warm water at a later date. Encapsulation Technologies Glycerin Solution (ETGS) Invisible Blue (SRS Stores caption item number 32-15227.00) applied using a lawn and garden sprayer was recommended for the job.

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The A&SC Center ordered twenty spring loaded mop handles (Peters Machine & Welding part number SLMP-1) for F-Area TRU and provided five to expedite work. The mop handles are used by RPD to hold atomic swipes when performing large area surveys.

ALARA CENTER POINTS OF CONTACT

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