

SRS ALARA CENTER (AC)

Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.

OCTOBER 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

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/

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 following Sperian Uvex Bionic Face Shield and accessories have been approved for site use by the Personal Protective Equipment Oversight Council (PPEOC) and have been store stocked.

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

- 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



John Gruntfest from E.H. Wachs Company visited the ALARA Center and picked up the following equipment that was loaned for display.

- Model “C” Guillotine Pipe Saw (serial number 03-1275)
- Low Clearance Split Frame Pipe Cutter (serial number 01-1591)

The ALARA Center ordered two Nilfisk GM80I HEPA Filter Vacuum Systems for Spent Fuels Project Operations. Each system included a heavy duty fixed trolley, 32 mm neoprene hose, curved steel tube, two straight steel wands, dust brush, crevice nozzle, and wheel floor nozzle.

The ALARA Center ordered ten spring loaded mop handles (SLMH-1) for F/H Laboratory Radiological Protection Department (RPD) personnel. They will be used as a tool to conduct large area transferable contamination surveys.

The ALARA Center was toured by two classes of Aiken Technical College Radiological Protection Technician students, multiple SRS Radiological Worker II classes, and SRNS Industrial Hygiene & Safety staff.

The Saltstone Facility RPD personnel were provided G/O Corp Quick Link Connector part number (GZ2173-N) for connecting Rad Chain (part number GZ1380). Four packs were ordered.

The SRR F-Area Tank Farm ALARA Coordinator contacted the ALARA Center in need of a tacky product on a roll approximately 3-4 feet wide. Information was provided concerning G/O Corp Tack It roll four feet wide by 100 yards.

<http://gocorp.com/product.php?ID=44>

The ALARA Center provided Waste Management Radiological Protection and Site Training personnel with the following information concerning G/O Corp Step-off Pads.

Product #	Product Description
GJ1017	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, yellow background with magenta print "REMOVE SHOE COVERS BEFORE STEPPING HERE" and two stop signs.
GJ1145	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, yellow background with magenta print "REMOVE OUTER SHOE COVERS BEFORE STEPPING HERE" and two stop signs.
GJ1218	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, yellow background with magenta print "REMOVE ALL OUTER PROTECTIVE CLOTHING BEFORE STEPPING HERE" and two stop signs.
GJ1226	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, white background with black print "REMOVE ALL PROTECTIVE CLOTHING BEFORE STEPPING HERE" and two stop signs.

The ALARA Center provided the Defense Waste Process Engineering Project Design Department with the following gamma and neutron non hazardous shielding information for redesign of the shield cask transport canister.

- Absorbtek Services, LLC <http://www.absorbtek.com/products.html>
- Ecomass <http://ecomass.com/apps/EcomassCompoundsradiation.html>
- R. L. Mussman Corporation, (509) 736-6058
- Tungsten Spheres <http://www.tungstenspheres.com/>
- Zada Technologies <http://www.zadatech.net/>
- Radiation Shielding Solutions <http://www.radiationshieldingsolutions.com/>
- Shieldwerx <http://www.shieldwerx.com/>

The ALARA Center ordered five G/O Corp GJ1226 Step-Off Pads (SOP's) for the Department for Energy Radiological Assistance Program (RAP). This SOP is 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, white background with black print "REMOVE ALL PROTECTIVE CLOTHING BEFORE STEPPING HERE" and two stop signs.

The ALARA Center provided information to the F-Area Tank Farm concerning a Radiation Protection System (RPS) six foot square Shielded Booth to house a Personal Contamination Monitor (PCM). The Saltstone Facility was provided with information for a four foot square Shielded Frisking booth to house a Count Rate Meter. It will also be used by RPD to perform personnel radiological surveys. <http://www.nfsrps.com/prod/3>

The ALARA Center ordered three sets of G/O Corp Firefighter Bunker Gear Removal Step-Off Pads (SOP's). Each set contains four SOP's: Clean Zone, Cold Zone, Warm Zone and Hot Zone. Each are made of 140 mil rubber nitrile 20" X 30" with a non-skid surface on both sides. They will be used in "K" and "L" Areas during upcoming emergency drills.

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The ALARA Center provided Solid Waste Management with information to order the following equipment for use in the event of an incident. A MAC-21D from the ALARA Center was loaned to expedite mock-up training.

- Six RPS MAC-21D Ventilation Systems <http://www.nfsrps.com/prod/95/27>
- Fifteen outdoor motor air samplers
- Two impactor air samplers
- Five F&J Specialty Products Inc. Emergency Response Sampling Systems, www.fjspecialty.com/df-ab-401.htm

UPCOMING VENDOR VISITS

Bluegrass Company, 11/1/2010, 766-H, Room 1002, anytime 10 AM - 12 PM

ALARA CENTER POINTS OF CONTACT

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