

SRS ALARA CENTER (AC)

Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.

AUGUST 2009 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 ShRINE at the ESH&QA Regulatory and Radiological Technologies web-site. www.srs.gov/general/programs/alara/

The FLUOR 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. This 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/>

Saltstone Facility personnel contacted the ALARA Center needing a gallon on clear Bartlett PBS for use on radiologically contaminated spots on the Vault 4 concrete wall. The ALARA Center had a gallon available but an adequate supply was found in the facility. The ALARA Center reminded the facility that they had the Sherwin Williams Industrial Coating Specialist look at the job twenty-one months ago and recommended Loxon Finish A24W300 Masonry Sealer. <http://www.paintdocs.com/webmsds/webPDF.jsp?SITEID=STORECAT&prodno=640515755&doctype=PDS&angle=E>. Loxon can also be found in ShRINE MSDS. Due to the fungus on the walls he recommended first applying a 5% bleach solution then five minutes later sweeping the wall followed by rinsing. Another alternative to using bleach and water is to apply Decon Gel if the wall is dry. It can be applied with a sprayer and peeled off after drying and should remove some or all of the fungus. www.decongel.com

The ALARA Center ordered H-Area Tank Farm RPD personnel two Unitech swing gate stanchions (part number Stanchion-05A). The display from the ALARA Center was provided to expedite usage. This stanchion holds up well in an outdoor environment.

The ALARA Center provided a Dustless Technologies Bit Buddie and Minuteman Microvac to Industrial Hygiene. Bit Buddie is a translucent plastic shroud that connects to a 1.25 inch diameter vacuum cuff to control dust when drilling 1-4 inch diameter holes. Construction successfully evaluated connecting the Bit Buddie to the HEPA Vacuum to control silica dust when drilling holes. This was an Industrial Hygiene initiative to eliminate the need for respiratory protection and air sampling. <http://www.dustlesstechnologies.com/iteminfo.php?PHPSESSID=d597ff6bcb067b2b180518b2322fe5cd&II=90&cate=15>

The Unitrek blue rubber overshoe (part # SHOE-01E-BL) size XXL (15-19) from Unitech Services is used in radiological areas per SRS Manual 5Q1.2 Procedure 231, *Selecting Protective Clothing & Equipment*. The caption item number will be provided next month after it is store stocked per request from various facilities.

The ALARA Center has received numerous calls from facilities needing count rate meter (CRM) stands. The following drawing numbers are in SRS Document Control and can be used to procure or manufacture CRM stands; Drawings R-R1-A-0016, R-R3-A-0011 and R-R3-A-0012.

The ALARA Center ordered 24 pairs of Sterns disposable chest waders for Liquid Waste H-Area Tank Farm to protect lower extremities from incidental contact with liquid. This particular wader has been used successfully by Liquid Waste. http://www.maddoggear.com/dyn_prod.php?p=STRH109

The SRS Site ALARA Committee met on August 4, 2009. The site YTD cumulative exposure is 52 rem which is below the YTD goal of 63 rem. There have been zero YTD personnel skin and personal effects contamination events (the annual goal is zero).

The ALARA Center provided two Kestrel 1000 Wind Meters to the Radiation Protection Department in HB-Line to be used to determine air velocities in accordance with WSRC Manual 5Q1.2 Procedure 496, *Radiological Containments*.

The ALARA Center upon request provided a Radiological Protection Dept. Rad Engineer with non-hazardous shielding information for the following products on display in the ALARA Center.

- Zada Technologies offers GammaBlok http://www.zadatech.net/radiation_shielding.html
- Ecomass <http://www.ecomass.com>
- Tungsten Spheres http://tungsten-spheres.com/tungsten_shot.html

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

F-Area TRU Remediation workers visited the ALARA Center to inquire about wireless headset communication systems. Information on Cobalt Systems was provided and on 8/24/09 David Fried from Comtronics Industrial Communication Systems visited SRS and demonstrated operation of Cobalt wireless communication equipment. <http://www.cobaltav.com/>

The ALARA Center provided the Mixed Waste Processing Facility on Pad 6 in E-Area with a NFS MAC-21D and SP-1000LV HEPA ventilation system to expedite ARRA TRU Remediation. Replacement units will be procured and delivered to the ALARA Center.

<http://www.nfsrps.com/prod/95/27>

<http://www.nfsrps.com/prod/96/29>

The ALARA Center ordered twelve 32 mm hose cuffs for the Nilfisk GM-80 HEPA vacuum system used by TRU Remediation Operations.

The ALARA Center provided TRU Remediation Operations with a box of XL Kimberly Clark Sterling Nitrile single use disposable gloves. They prefer a glove similar to the yellow North rubber nitrile Anti-C currently used but in a different color to wear as an outer pair. The ALARA Center informed them that the North Anti-C glove is also available in orange. [www.north-safety.com/product/4733/natural Rubber Latex Anti-C Gloves/](http://www.north-safety.com/product/4733/natural_Rubber_Latex_Anti-C_Gloves/)

VENDOR INFORMATION & DEMONSTRATIONS

Mega Tech Services now has a B6001 tool for cutting 4 inch diameter schedule 40 hastalloy jumpers. It weights 44 pounds, six pounds more than the BPC-4HD that was demonstrated at SRS some time back and would not completely cut 4 inch jumpers. <http://www.mega-techservices.biz/default.asp?Parent=2&Child=31>

The ALARA Center received samples of the eSpin Technologies SimWypes cleaning cloth – a nontoxic, nonhazardous product for government, industrial or home use that traps dry dust, dirt and other particles inside as it moves across a surface. The cloth was originally created at the Y-12 National Security Complex to remove residual amounts of toxic beryllium oxide and beryllium particulate from solid surfaces without leaving a residue. The Material Safety Data Sheet is attached per request from several facilities.



POINTS OF CONTACT

Robbie Bates	(803) 208-3601, Pager (803) 725-7243 ID #14550	robbie.bates@srs.gov
Ellen Parrish	(803) 208-1027, Pager (803) 725-7243 ID #11617	ellen.parrish@srs.gov