

SRS ALARA CENTER (AC)
Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.

MARCH 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 ShRINE 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 SRS Personal Protective Equipment Oversight Council (PPEOC) is the site approval authority for safety, radiological, and industrial hygiene items. Approval is required before an item can be used at SRS. Please direct questions and requests to the ALARA Center or Lisa Skinner with Site Safety.

The ALARA Center participated on a multi-disciplinary causal analysis team to assess radiological events that had occurred over a period of nine months. The team consisted of radiological protection subject matter experts, representatives from two of the affected facilities, and a qualified causal analyst to identify common characteristics while a formal causal analysis sought common causes. The formal report will be issued in early April 2010.

The ALARA Center provided assistance to Radiological Protection Department (RPD) personnel in the Tritium Facility to locate a pouch suitable for storing envelopes on an air sampler. The pouch background is white with clear front. Dimensions are 5 inches wide by 7.5 inches long with two grommets at the top. Part number is GY1549 from G/O Corp at 800-933-8501.

ALARA Center personnel were a guest speaker at the March 11, 2010 Presidents Zero Incident Council (PZIC). The presentation focus was to promote site awareness of the ALARA Center.

The HB-Line RPD Facility Manager visited the ALARA Center and looked at stanchion options for postings in several areas within the facility.

The ALARA Center provided a Nuclear Materials Storage Project Radiological Protection Department work planner with information about protective equipment for workers cutting metal in a glovebox. The Piercan USA Hexarmor glove is designed to be worn over glovebox gloves. www.piercanusa.com/0901-3184-HOG0408.pdf

The ALARA Center provided the Utilities Planning Department with wireless headset communication equipment to be used during confined space entries.

The following single use disposable layflat rubber overshoes are now available in Stores. They are an excellent alternative for work activities where rubber overshoes are disposed after a single use.

Caption/Item #	Part #	Description
32-24630.00	FS662R-ML	Red Layflat Single Use Disposable Rubber Overshoe size Medium/Large fits shoe sizes men 5-8 women 6-9 100 pair per case, ambidextrous
32-24631.00	FS0662Y-XL	Yellow Layflat Single Use Disposable Rubber Overshoe size XL fits up to shoe size 13, 100 pair per case, ambidextrous
32-24632.00	FS0662O-J	Orange Layflat Single Use Disposable Rubber Overshoe size Jumbo fits shoe size 13 and above, 100 pair per case, ambidextrous

The ALARA Center ordered the following Minuteman HEPA Vacuum products for Spent Fuels Program.

Item	Qty	Part No.	Description
1	1	C82904-07	Minuteman MicroVac includes HEPA filter and prefilter, disposable collector bags (10), and tool kit. (< 90 CFM unit)
2	1	829094	Cloth filter bag with frame
3	3	829849	Hose Assembly

Below is a picture of the five gallon poly bottle holder. Use of this type product is needed to secure the poly bottle when in use. Approximately seventy-five were ordered in March 2010. It is part number GH1321-N form G/O Corp at 800-933-8501.



The Hanford ALARA Workshop is scheduled for August 3 & 4, 2010, at the Clarion Hotel and Conference Center in Richland, Washington. The goal of this workshop is to promote the increased implementation of new and effective ALARA techniques in today's work environment while increasing attendees' knowledge of the availability of ALARA protective measures. Pre-registration for this event is required no later than June 15, 2010. This workshop will include presentations from many of the Hanford contractors. With attendance anticipated at over 150 people, plus many visitors from the Hanford site, it is our belief that your company will benefit from demonstrating your products or services at our workshop. Interested vendors, presenters, and attendees can contact Owen Berglund @ 509-376-9035 or e-mail Owen_D_Berglund@rl.gov.

The ALARA Center is providing assistance to Industrial Hygiene and Spent Fuels Program in L-Area in the selection of wireless headset communication systems to be used in areas where the noise level is approximately 85dBA. Product demonstrations are scheduled for May 4 and 5, 2010.

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The ALARA Center provided assistance to TRU Repack in the selection of the following aprons to reduce worker whole body radiation exposure. The following Techno-Aide full body protection (0.50 mm lead equivalent front, 0.25 back) lead free apron was selected. It is 45% lighter than a lead apron and has a hook and loop closure fastener.

www.pnwx.com/Accessories/LeadProducts/Aprons/TechnoAide/MaxWrap/#mwg-m

Qty	Part #	Size
4	MWG-M	Medium
4	MWG-L	Large
4	MGG-XL	X-Large

The ALARA Center provided assistance to the Tank Farms in the selection of two hundred and eighty (280) 2 feet by 3 feet lead blankets to shield a hose within a hose above ground transfer line.

The ALARA Center loaned H-Area TRU Operations a Trumpf N1000 Nibbler to mock-up in the shop to determine if it is suitable to cut gloveboxes.

The ALARA Center recommended mounting lead blankets on a mobile rack to shield high dose TRU drums area waiting to be processed.

UPCOMING VENDOR VISITS

Comtronics Inc., 5/4/10, 704-L, 9 AM – 12 PM

Bartlett Nuclear, 5/5/10, 704-L, 9 AM – 12 PM

POINTS OF CONTACT

Robbie Bates (803) 208-3601, Pager (803) 725-7243 ID #14550

Ellen Parrish (803) 208-1027, Pager (803) 725-7243 ID #11617

robbie.bates@srs.gov

ellen.parrish@srs.gov