

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

**FEBRUARY 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](http://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/](http://www.srs.gov/general/programs/alara/)

The FLUOR Hanford ALARA Center website is available at [www.hanford.gov/rl/?page=973&parent=0](http://www.hanford.gov/rl/?page=973&parent=0)

Savannah River Site employees are encouraged to contact Ellen Parrish (SRS ALARA Coordinator) to provide 2008 ALARA Success Stories for the annual Radiation Exposure Monitoring System (REMS) report.

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 Cent (FIU-ARC) in collaboration with the Department of Energy (DOE EM20), EFCOG, and the ALARA Centers at Hanford and Savannah River. The web-site is [www.dndkm.arc.fiu.edu/dndkm/](http://www.dndkm.arc.fiu.edu/dndkm/). An enhancement to the D&D Knowledge Management Information Tool (D&D KM-IT) system is in progress to allow registration and full system use to the international D&D community. Currently, the international community can search through posted problems and solutions. However, they are not able to directly post a problem. The D&D KM-IT technical staff is working on the system upgrade and expects to have the enhancement completed in the next few weeks. Updates on the enhancement's progress will be posted as they become available. At this time if a user has any questions or wishes assistance in posting a problem during this interim, please contact the Hanford ALARA Center at (509) 373-0656 or the Savannah River Site ALARA Center at (803) 208-3601.

The ALARA Center ordered and received size nine radiation attenuating gloves from International Biomedical for H-Area Liquid Waste (quantity 30), F-Area Liquid Waste (quantity 10), and Savannah River National Lab (quantity 5). These gloves are made of tungsten and do not contain lead.

[www.int-bio.com/productdisplay.php?menuimage=gloves.jpg&productcat=Surgical%20Gloves&subcat\\_id=6](http://www.int-bio.com/productdisplay.php?menuimage=gloves.jpg&productcat=Surgical%20Gloves&subcat_id=6)  
In addition, H-Area Liquid Waste received ten pair of Proguard size nine radiation attenuating gloves (Stock# RR2) from Pacific Northwest X-Ray Inc. [www.pnwx.com/Accessories/LeadProducts/Gloves/Proguard/](http://www.pnwx.com/Accessories/LeadProducts/Gloves/Proguard/)

The ALARA Center provided personnel from the Plutonium Preparation Facility with information regarding the Inventure Labs criticality SafeVac HEPA vacuum system. [www.inventurelabs.com/safevac.html](http://www.inventurelabs.com/safevac.html)

The ALARA Center provided F-Area Liquid Waste with two ½ inch drive sockets for implementing 5-gallon poly bottle cap and inner plug closure instructions. The Stores caption item number is 32-22542.00.

SRS Tech Day was held February 10 & 11 at Fort Discovery in Augusta, GA. Several thousand elementary school students attended. The ALARA Center provided items for display. The event promotes technology with interactive booths for students.

The ALARA Center provided information to the Closure Support Organization concerning fixatives for coating low level contamination on a roof.

There was a recent finding at SRS regarding obstruction of an exit portal by a ventilation duct during welding in a confined space. Placement of the ventilation duct essentially inhibited the worker from performing self rescue in an emergency. Below is a link to a saddle vent that can be used to provide ventilation into a manhole while still allowing adequate space for self rescue.

[www.airsystems.cc/product\\_pages/ventilation/confined\\_space\\_ventilation\\_kits.htm](http://www.airsystems.cc/product_pages/ventilation/confined_space_ventilation_kits.htm)

The ALARA Center has taken possession of 766-H Room 1032 (546 square feet). It will be used to display industrial safety items such as personnel protective equipment including heat stress items and industrial hygiene items. Health/Safety/Performance Assurance Management has identified Geoffrey Smoland as the person to assist the ALARA Center with industrial hygiene items. In addition, the office of Ellen Parrish (SRS Site ALARA Coordinator) will be in this room and she will provide more direct support to the ALARA Center.

The ALARA Center provided the H-Area ALARA Coordinator with NFS muffler. The muffler can be attached to the exhaust hose of a ventilation system such as the MAC-21 or SP1000-LV to reduce the noise level.

[www.nfsrps.com/prod/126](http://www.nfsrps.com/prod/126)



## **VENDOR INFORMATION & DEMONSTRATIONS**

On 2/10/2009 Patrick Shay with MSC Industrial (a SRS Strategic Supplier) and Jim & Randy Cox with TMW Global visited the ALARA Center.

The ALARA Center disseminated the following information to ALARA Center vendors at the request of The DOE Office of Environmental Management (EM).

### **2009 DOE Regional Nuclear Suppliers Outreach Event March 17 & 18, 2009 Augusta, Georgia**

The Department of Energy (DOE) Office of Environmental Management (EM), and the National Nuclear Security Administration (NNSA), will be co-sponsoring the 2009 DOE Regional Nuclear Suppliers Outreach Event. The DOE Savannah River Site will host this event at the Augusta Marriott Hotel & Suites in Augusta, Georgia.

#### ***Who Should Attend?***

Suppliers who wish to provide their products and services to DOE for its projects and programs for both nuclear and non-nuclear applications. Services, for example, would include safety analysis, engineering, design, and construction. Examples of products include engineered items, piping, valves, pumps, heat exchangers, cables, electrical components, and duct work.

Executives and business development, sales, and marketing professionals will find the forum very informative and support potential expansion of their businesses into the DOE and commercial nuclear markets.

There is no registration fee for this event but you must register to attend.

**Please see the attached invitational letter from Dr. Inés Triay, Acting Assistant Secretary for Environmental Management.**

**REGISTER ONLINE AT: [www.prc8a.com/doernsoe](http://www.prc8a.com/doernsoe)**

## **POINTS OF CONTACT**

Robbie Bates	(803) 208-3601, Pager (803) 725-7243 ID #14550	<a href="mailto:robbie.bates@srs.gov">robbie.bates@srs.gov</a>
Ellen Parrish	(803) 208-1027, Pager (803) 725-7243 ID #11617	<a href="mailto:ellen.parrish@srs.gov">ellen.parrish@srs.gov</a>