

## SRS ALARA CENTER (AC)

*Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.*

### SEPTEMBER 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](http://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/](http://www.srs.gov/general/programs/alara/)

The Hanford ALARA Center website is available at [www.hanford.gov/rl/?page=973&parent=0](http://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 ALARA Center provided the following Nilfisk VT60 Wet/Dry HEPA Vacuum System to the Saltstone Facility for use in the Process Room. A replacement unit for the ALARA Center was ordered.

Item	Part No.	Qty.	Description
1	01799500	1	VT60 System Includes Microfilter and Trolley Assembly
2	01727631	1	HEPA Filter Cartridge (retains 99.97% @ 0.3 microns)
3	01782950	1	Inlet Coupler with Metal Tube for VT line
4	01716200	7	1.5 inch Antistatic Black Plastic Hose (per meter)
5	01716300	2	Antistatic Cuff
6	10944000	1	Curved Steel Wand with Ball Joint removed
7	01719100	1	Container Polyliners (25/pkg)
8	1408248040	1	Eliminator/VT60 Universal Attachment Nozzle
9	0107031000	1	38 mm Adjustable Round Brush

The ALARA Center provided Savannah River Remediation (SRR) Radiological Protection Department management with Shielding Frisking Building and Booth information available from Radiation Protection Systems. Features include: heated and air conditioned, internal lighting, storm door entrance and exit, sloped roof from 8.5 feet to 8 feet, shelf for portable monitor, service ports, internal shield walls, welded construction, movable by forklift or crane, and primed and painted. Below is a picture.



The ALARA Center recommended Bartlett PBS fixative to a Radiological Engineer needing to fix beta-gamma contamination inside an exhaust duct in R-Area.

The ALARA Center is participating in an SRS Plutonium Fuel Form (PuFF) Facility Deactivation Alternatives Analysis Team. Two SRNS Radiological Engineers are also members of the team.

The ALARA Center glove display boards were updated to include Hexarmor Glovebox overgloves, PIP welding gloves, Guard-Line welding gloves, and Ansel NeoTouch single use disposable gloves. All of these gloves are now store stocked.

The ALARA Center provided SRR with a Nilfisk GM80 HEPA Filter Vacuum System (part number 01790632) to expedite work on the tank farms. The following were ordered to replace display items taken from the ALARA Center. A second GM80I system and two Minuteman HEPA Filtered MRS-3 Mercury Vacuum Systems were also ordered by SRR.

- Nilfisk Model GM-80I HEPA Filtered Industrial Vacuum Kit -- GMPJ 115V Includes
  - heavy duty fixed trolley
  - 6.5 foot neoprene hose
  - one curved steel tube
  - two curved steel wands
  - attachments
  - a package of five paper bags
  - HEPA Filter Assembly
  - Microfilter

The ALARA Center room 1027 has been rearranged and early spring cleaning performed to improve displays. All items were removed from room 1031 so the carpet could be replaced. This room was also rearranged to improve displays.

The ALARA Center chemical inventory was updated and submitted to Chemical Commodity Management as required by site procedure.

The ALARA Center has been working with the SRNS Operational Excellence group to add the RPD Performance Indicators and the ALARA, RPD, and POMC charts to the Scorecard Database. The Scorecard database is an application that was developed to mine the raw data from multiple sources and presents the data in the form of charts to the users in an automated fashion. The scoring criteria for Scorecard was also automated so that the score (red, yellow, green, violet, blue) was determined using a consistent, repeatable formula.

The ALARA Center provided SRR RPD personnel from H-Area Tank Farm, F-Area Tank Farm and Saltstone Facility with a total of 17 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 program to recalibrate. The ALARA Center labels each Kestrel 1000 with a calibration expiration sticker at the time of issuance.



## **AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT**

The ALARA Center provided F-Area TRU RPD personnel with information concerning the Radiation Protection Services MAC-21D Filtration Unit. Three units were ordered. <http://www.nfsrps.com/prod/95/27>

## **UPCOMING VENDOR VISITS**

Absorbtek Services, LLC, 10/6/2010, 766-H, Room 1002, Presentation 9 AM, available for questions until 12 PM  
Radiation Protection Services (RPS), 10/11/10, 766-H, Room 1027, 9 AM – 12 PM

## **ALARA CENTER POINTS OF CONTACT**

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