

SRS ALARA CENTER (AC) JANUARY 2007 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at <http://www.srs.gov/general/programs/alara> . The internal SRS ALARA Center website is available in ShRINE by performing a quick search on ALARA or ALARA Center.

The “New” PPE Database describes personal protective and safety equipment available at SRS on the ALARA Program website available in ShRINE by performing a quick search on ALARA or ALARA Program.

The FLUOR Hanford ALARA Center website is available at www.hanford.gov/rl/?page=973&parent=0

The ALARA Center recommended the F&J DF-AB-40L Emergency Response Digital Low Volume Air Sampler to D&D for mounting on demolition equipment. The unit is lightweight, small, has a water-tight housing for outdoor use and operates on line power, automobile cigarette lighter socket, or on board battery (for up to 6 hours).



The ALARA Center provided support to the Containment Fabrication Facility and Instrument Calibration Facility in the selection of the Nilfisk GM-80 HEPA vacuum system with variable speed control to ventilate a glove bag used for potentially decontaminating air monitoring equipment.

The ALARA Center provided the Spent Fuels Facility with a Kestrel 1000 Pocket Wind Meters used for determining ventilation airflow.

The ALARA Center initiated a revision to the SRS containment and glove bag checklist completed by rad con technicians to ensure that unused sleeves are heat sealed closed or “J” seal taped.

The ALARA Center recommended F-Area Closure use G/O Corp metal rad barrier chain with “Everlast” finish for outdoor application. It is #2 double loop, yellow and magenta, 500 ft. per bucket.
www.gocorp.com

The ALARA Center met with personnel from HBL to discuss operation of the Tiger-Vac Model MV-1CR without Back Pack HEPA vacuum and took the unit to the SRS Filter Test Group where it passed testing.
www.tiger-vac.com/Products/CleanRoom/MV-1/MV-1%20main.html

The ALARA Center provided rad con personnel at the Waste Isolation Pilot Plant (WIPP) with information regarding HEPA filtered vacuums and filtration systems, and glove bags.
www.pa.nilfisk-advance.com/index.html, www.nfsrps.com, www.lancsindustries.com

The quarterly meeting of the ALARA Center and ALARA Coordinators was held on January 22, 2007. The meeting was moderated by the Site ALARA Coordinator and the agenda included SRS ALARA success stories, pre and post job ALARA reviews, and new technologies (Decon 188, Nilfisk IVT SafePak HEPA vacuum system, and Radiation Attenuating Surgical gloves). Picture below is 12/14/06 Hanford ALARA Center, clean S/S glovebox mockup, peeling D-188 from back wall and corner. The product was easily removed from the wall and floor.



The ALARA Center continued to provide support to F-Canyon TRU reprocessing work. Multiple Nilfisk GM-80 HEPA vacuum systems and associated accessories are being used to clean HEPA filter metal screens to increase glove box differential pressure so work can continue. The facility also has an issue with using 12 mil polyvinyl chloride (PVC) bag-out sleeves in a cold environment. The alternative materials suggested were 10 mil polyurethane and 9 mil PVC. The facility is evaluating vinyl coated cloth tape to use in lieu of PVC tape.

NEW VENDOR INFORMATION AND VISITS

Chris Smith with Intellegations LLC was at the Savannah River Research Campus on 1/18/07 to demonstrate several extended tools and a prototype dip sampler for potential use on the tank farms. Chris is a retired engineer from the Hanford tank farms and discussed tank sampling with SRS tank farm personnel.

Mike O'Neill with Cellular Bioengineering Inc. was at the Savannah River Research Campus on 1/25/07 to discuss Decon 188, a new peelable polymer hydrogel water based solvent with potential use as a decontamination agent. Samples have been ordered and will be evaluated at SRS on contaminated materials.

UPCOMING VENDOR DEMONSTRATIONS AND VISITS

E.H Wachs Co, Cutting Tools follow-up meeting, 2/22/07
Tri-Tool, Clamshell cutting tool demonstration, 2/21/07

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