

SRS ALARA CENTER (AC) APRIL 2008 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, 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 ES&H 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 ALARA Center was informed by G/O Corp that the 5 gallon carboy container (Stores item number 32-21894.00) is no longer available. The ALARA Center is working to find a replacement bottle with an external thread cap that will not require a torque wrench to close.

The ALARA Center provided HB-Line with information on the NFS SP1000LV (1000 CFM) ventilation system, 8 inch flex duct (part no. CG53), and the Free Standing Drum Hood (part no. GU17P). www.nfsrps.com

Below is a sampler made in DWPF for multiple air sampling with the use of one extension cord. You could sample the hut, airlock, boundary and exhaust with one sampler. Contact Tim Kerrigan at (803) 208-7800 to obtain a parts list if you are interested in manufacturing a sampler.



The ALARA Center provided F Area Completion with five Nilfisk GM-80 HEPA vacuum cleaners for the TRU Project. The cleaners are used to remove debris from the glove box ventilation pre-filter screen. www.nilfiskcfm.com/ProductDetail.aspx?m=1

The ALARA Center recommended the following two paints for coating low level contaminated wood flooring on a flat bed trailer.

- Poxy Coat II, www.surfacecoatingsllc.com/Home_Page.html
- Sherwin Williams Industrial Enamel (From SRS ShRINE MSDS Lookup Manufacturer Sherwin Williams. It is B54 series part number. MSDS numbers are 1638-1 thru 1639-29. The number after the dash represents different colors available)

The ALARA Center ordered a new GM-80 HEPA vacuum system and following replacement parts used for a continuous ventilation job in F-Area Laboratory.

- 4 - GMPJ 115V Grounded Motor, Part No. 12110329
- 4 - Complete HEPA Exhaust Filter Assembly, Part No. 01710440

The ALARA Center ordered eight Isotherm Cool Vests from Bullard for SRNL to combat heat stress during work in the Shielded cells. www.bullard.com/downloads/pdf_files2/HD_SS_isotherm.pdf

The ALARA Center ordered the following Nilfisk VT Mercury HEPA vacuum system replacement parts for Liquid Waste to refurbish a system in storage. www.nilfiskcfm.com/ProductDetail.aspx?m=96

- 1 - 5 Year Specially Impregnated Carbon Filter, part no. 0172640

- 6 - Replacement Droplet Bottle w/lid, part no. 01725702
- 1 - 10 ft. PVC Hose w/Curved Tube & Camlock Fitting, part no. 01727310
- 6 - 6 inch Crevice Cone, part no. 81140900
- 1 - Poly Bags (pkg. of 25), part no. 01719100

The ALARA Center ordered 48 rolls of G/O Corp cloth Gaffers Tape (2 inch wide yellow and magenta striped) for L-Area rad con personnel to post boundaries. www.gocorp.com/product.php?ID=91

The ALARA Center was contacted by the SRNL ALARA Coordinator who was looking for items to combat work in a heat stress environment. The Jaybird Aquafo[®]g HRSMTM - Mobile Fine-mist Humidifier and Protech coveralls were recommended. www.jaybird-mfg.com/XE_HRSM_desc.asp

The Encapsulation Technology Passive Aerosol Generator (PAG) is no longer available. The ALARA Center found a PAG used less than 40 hours at Rocky Flats that is for sale. Liquid Waste has purchased the PAG for future use at the tank farms.

The ALARA Center hosted and participated in a meeting with Liquid Waste personnel and the Site Ventilation Committee to create a list of approved HEPA vacuum systems for SRS use. The list will be posted next month on the Ventilation and Filtration web-site on ShRINE.

VENDOR INFORMATION AND VISITS

On 4/16 & 17 in 766-H Desco Manufacturing conducted seminars on their dust free tools. Industrial Hygiene Programs and Bechtel were particularly interested in the dust free drill (1/2 inch drive) system for use at SRS to drill into concrete and sheetrock walls (see picture below). Desco is modifying the dust free shroud at the request of SRS to mount a handle. A prototype will be sent to SRS for evaluation. A Nilfisk GM-80 HEPA vacuum system will be used with the Desco drill to control and collect the dust. Nilfisk has created part number M7022 which includes the following items;

- GM80 w/trolley, cord & paper bags only, part no. 01790190
- HEPA Exhaust Filter (retains 99.97% @ 0.3 microns), part no. 01710440
- Microfilter (retains 99.5% @ 2 microns), part number 11730410
- 1.5 inch inlet coupler, part no. 11730410
- Black 1.5 inch anti static hose (12 feet), part number 01716200
- 2 - 1.5 inch cuff, part no. 01716300



The ALARA Center received three models of extended tools (750-ART, 750-PP-3, and 750-PP-437) made by Peters Machine and Welding for display at the ALARA Center. Their extended tools can be made in a variety of lengths and have been used by Spent Fuels. www.petersmachineinc.com/index_files/page0003.htm

Unitech Services will be in 766-H, Room 1002 on 5/28/08 between 9 AM and 2 PM. Unitech offers a variety of items to support radiological work.

Representatives from Draeger Safety will be in 766-H, Room TBD on 5/29/08 for a gas detection and respiratory protection products seminar. www.draeger.com/ST/internet/US/en/index.jsp

POINT OF CONTACT

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