

SRS ALARA CENTER (AC) AUGUST 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/r1/?page=973&parent=0

Chuck Munns, SRNS President & CEO, toured the ALARA Center on 8/12/08. The following week Mr. Munns had his senior staff tour the ALARA Center.

The ALARA Center personnel attended the staff meeting of SRNS Radiological Protection Department Director, Jim Stafford, to promote the new spring loaded four foot mop handle. This tool will be used by Rad Con inspectors to hold atomic swipes when performing large area surveys and to hold a portable survey instrument probe when conducting direct probe surveys of floors or ground. It has been approved for site use by Safety. The mop handle will soon be available from Peters Machine & Welding in Beech Island, SC phone (803) 827-0565. The ALARA Center is coordinating a single order to meet site needs. A picture is attached below. NOTE: It is the same design as what has been used at SRS in the past but not available for about three years.



The ALARA Center has one of the new Respirex air supplied plastic suits on display. This suit has been approved for site use by the Respiratory Protection Department and in September will be pilot tested in DWPF. The Respirex Frontair 2 suit is a one piece 12-mil suit and is available in 4 different models for use at SRS:

Models	Size
Respirex Frontair 2 suit - standard	S, M, L, XL, and XXL
Respirex Frontair 2 suit - Fall Arrest	S, M, L, XL, and XXL
Respirex Frontair 2 suit - Welders	S, M, L, XL, and XXL
Respirex Frontair 2 suit - Welders with Fall Arrest	S, M, L, XL, and XXL

Air is distributed throughout the suit (all models) by a network of permanent internal tubes; 50% flows to the helmet portion of the suit for breathing purposes and 50% flows to the arms and legs for ventilation. All models have six exhalation valves to allow for flow and prevent over pressurization. All models also have a flow control valve attached to the suit that can vary the airflow for individual comfort. All models require airflow of 9-21 CFM to provide an assigned protection factor of 50,000. All models are equipped with an escape cartridge and an emergency tear off strip to allow the wearer to exit the work area in the event air is prematurely terminated. A Proban^(R) oversuit and hood must be worn with the Respirex Frontair 2 plastic suit (all models) during welding, hot work, and if grinding can generate sparks or hot particles. The Proban^(R) oversuit and hood are flame resistant

and help prevent damage to the suit during welding or hot work. The Proban^(R) oversuit and hood are held together with velcro^(R) for easy donning and doffing.

The ALARA Center was contacted by Industrial Hygiene personnel at the Portsmouth Gaseous Diffusion Plant in Piketon, Ohio inquiring about SRS use of OREX disposable personnel protective equipment.

The ALARA Center participated in a review of the new Sealed Radioactive Source Control Database to be used at SRS. The new database implements regulatory requirements and enhancements to provide better source tracking. It also includes source custodian exempt source inventory.

The ALARA Center provided the Tritium Facility with a Nilfisk VT60 HEPA Mercury Vacuum to expedite work in the facility. A replacement vacuum was ordered for the ALARA Center.

www.nilfiskcfm.com/ProductLit.aspx?m=96

The ALARA Center provided Cellular Bioengineering Inc. Decon Gel 1101 samples to Defense Waste Processing Facility (DWPF) ALARA Coordinator to apply in a lab hood.

The ALARA Center provided support to Liquid Waste in selecting a paint to resurface areas on the tank tops. Sherwin Williams Paint Company (SRS Site Strategic Supplier) recommended Hydrogloss Single Component Water Based Urethane. It is a single component high performance acrylic/polyester water based urethane. It provides toughness, flexibility, abrasion resistance, and excellent UV resistance. Exterior performance comparable to two component water based urethanes. Sherwin Williams Paint Company has agreed to provide a gallon for evaluation purposes and the facility is reviewing the material data safety sheet. Below is the product information sheet.



The ALARA Center provided disk smear tools to Rad Con personnel in L-Area Spent Fuel Project, SRNL, and F-Area Projects. Use of this tool will eliminate the safety hazard of workers placing their arms and hands under a suspended load. Additionally, the tool improved RCI ability to access spent fuel shipping cask surfaces between raised cooling fins. A picture of the tool is below.



VENDOR INFORMATION AND VISITS

On 8/14/08 Dave Welcher with Unitech Services visited the ALARA Center and met with personnel from H-Canyon and HB-Line (including the ALARA Coordinator). The purpose of the meeting was to discuss modesty clothing options available from Unitech.

Nilfisk CFM, an industrial vacuum manufacturer, has launched a new maintenance blog to share readers' wisdom and solutions. The blog can be found at www.nilfiskcfmblog.com. The blog provides an online forum where readers can share their individual maintenance experiences and questions and participate in discussions on industry trends. The blog will also discuss industry trends such as federal regulations and relevant trade news. There is an informative 60 Minutes article on the dangers of combustible dust that is worth reading. Some of the other articles are highly opinionated and readers are reminded to use good judgement.

The new Nilfisk GD10 lightweight Back Vacuum is on display in the ALARA Center. The new vacuum will be inspected by the Site Ventilation/Filtration Committee for approval prior to site use.

www.nilfiskcfm.com/ProductDetail.aspx?m=136

POINTS OF CONTACT

Robbie Bates	(803) 208-3601, Pager (803) 725-7243 ID #14550	robbie.bates@srs.gov
Ellen Parrish	(803) 952-6557, Pager (803) 725-7243 ID #11617	ellen.parrish@srs.gov