

## **SRS ALARA CENTER (AC) JANUARY 2008 ACTIVITY REPORT**

### **ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS**

The external SRS ALARA Center website is posted at <http://irmsrv35.srs.gov/general/programs/alara/>  
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/](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)

The ALARA Center provided F Area Completion with three 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](http://www.nilfiskcfm.com/ProductDetail.aspx?m=1)

On 1/10/08 The Department of Energy announced that Savannah River Nuclear Solutions (SRNS), LLC was selected as the management and operating contractor of the DOE's Savannah River Site (SRS). SRNS is a limited liability corporation consisting of Fluor Federal Services, Inc., Honeywell International, Inc., and Newport News Shipbuilding and Drydock Company (a Northrop Grumman Company). The team also includes subcontractors Lockheed Martin Services, Inc. and Nuclear Fuel Services. The transition period of the new contract will begin 1/24/08 and will be completed in 90 days. SRNS will assume management and operation of the SRS under the new contract in April 2008. The base period of the contract is from 1/2008 through 12/2012 with a five-year option from 1/2013 through 12/2017.

The ALARA Center ordered then pairs of radiation reducing gloves for the liquid waste organization. The radiation reducing glove contains tungsten, a non hazardous material, and is manufactured by International Biomedical [www.int-bio.com/gloves.php](http://www.int-bio.com/gloves.php). The tungsten adheres to the neoprene by dipping the gloves into a dip tank that contains the material. The tungsten is dispersed and held in a suspension during the dipping evolution in the mold. The dip tank was designed to ensure the tungsten does not "fall out" after mixing and is continuously being stirred to prevent fall out. The tungsten is encapsulated by the neoprene in the mix.

The Defense Waste Processing Facility borrowed the E.H. Wachs Model "C" Electric Guillotine Saw on display in the ALARA Center. It was used to conduct a mock-up to a cut three inch diameter hastelloy jumper with mounting plates attached. Personnel were pleased with the tool performance and fifteen minute cutting time. Below is a picture of the tool.

[www.wachsco.com/products/productstep2.php?category=Pipe%20Cut%20Off/Weld%20Preparation&productnum=33](http://www.wachsco.com/products/productstep2.php?category=Pipe%20Cut%20Off/Weld%20Preparation&productnum=33)



The Energy Facility Contractors Group (EFCOG) is a volunteer organization, directed by senior level executives and subject matter experts from its major contractor companies who manage DOE's facilities and conduct its key programs, sustained by working level personnel from member contractors, and supported and funded by DOE. Since its inception in 1991, EFCOG's mission has been to reduce DOE program costs and increase aggregate contractor performance by identifying issues that can benefit from common solutions, and by providing opportunities for exchanging information on management technical processes, procedures, and programs that have been implemented or evaluated, and positive and negative lessons learned. [www.efcog.org/index.html](http://www.efcog.org/index.html)

The ALARA Center provided an extension pole and disk smear tool to the Defense Waste Processing Facility (DWPF). They were used by Radiological Control Operations personnel to perform radiological transferable contamination surveys from the ground surface down into a 22 foot pit.

The NFS FM47 Glove bag Ventilator is a system to consider when continuous adjustable flow, 0-40 CFM, 0-3.5" wg., is needed. It utilizes Flanders 8"x8" HEPA filter Model No. 0-007-D-42-N1-NU-12-13-Z98173B, Item no. F0611751. The filter would have to be ordered from Flanders. [www.nfsrps.com/prod/28](http://www.nfsrps.com/prod/28)



## **VENDOR INFORMATION AND VISITS**

Carson Anderson with Nilfisk-Advance America, Inc. visited the ALARA Center on 1/22/08 and conducted a demonstration of both Nilfisk and CFM HEPA filtered vacuum systems. The demo included the CFM-125 which has replaced the discontinued GM-625. There is a CFM-125 on display in the ALARA Center.

The Hanford ALARA Workshop is going to be held March 4 and 5 at the Clarion Hotel. Registration is \$75.00 for the event. Up to 30 vendors will be attending and will have booths displaying their tools and equipment. Presentations will be given with the focus on practical ALARA work practices and lessons learned. Contact Owen Berglund at 376-9035 if you have questions. The number of registrations is limited to 150 due to the size of the rooms. The registration form is attached. 

The Waste Management Conference presented by WM Symposia, Inc. will be February 23-29, 2008. The location has moved from Tucson, AZ to Phoenix, AZ. The 2008 theme is Phoenix Rising: Moving Forward in Waste Management. [www.wmsym.org/html/wm\\_conference.cfm](http://www.wmsym.org/html/wm_conference.cfm)

Encapsulation Technology provided the ALARA Center with three repaired Passive Aerosol Generator (PAG) amplifier assemblies. The amps were installed in the PAG located in F-Area Tank Farm and worked properly.

## **POINT OF CONTACT**

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