

From: Eby, Jerald L

Sent: Friday, May 27, 2005 1:48 PM

Subject: ALARA Center Activity Report for the week of May 23,2005

Attachments: fulfillmentadventures_1842_4907044[1].jpg; Battery Powered Packet.pdf; E&EP brochure.pdf

Visit the Fluor Hanford ALARA web site at: www.hanford.gov/alara/

1. T-Plant personnel visited the Center to look at Trumpf nibblers, web site: www.trumpf.com and sourcing replacement blades for a unit being used presently at T-Plant. Suggested the call Aage in Spokane, the local rep for Trumpf in determining if a local business had a stock of cutting blades. Phone # 509-238-1766. Gave the worker a couple of brochures on nibbler products. Had a couple of operators from T-Plant visited the Center. They have work to perform on a NFS/RPS SP-1000 exhauster, web site: www.NPSRPS.com and neither had seen the internals of the SP-1000 unit. Assisted the operators in removing the pre and HEPA filters and inspecting the DP gauge lines across the filters on the Center's clean exhauster unit, before they actually entered the T-Plant canyon to perform work on a controlled SP-1000 unit. The Center feels it is better to go to work with all the right tools the first time, in this case looking at all the right pieces in a clean environment before entering the T-Plant canyon in PPE and a mask, and possibly lacking knowledge to correctly complete your work task.
2. The ALARA chair for SWSD visited the Center looking for information on commercial supplied ventilation drum lids. Showed the two units we have at the Center, a Nilfisk unit, web site: www.nilfiskadvance.com and a Power Product unit, web site: www.powerproductonline.com. The Center contacted both companies and they have sent additional information on ventilation drum lids for separating material, which has been forwarded to the SWSD ALARA chair.
3. A Duratek employee working for Fluor Ground Water Group visited the Center. He has a process of sample splitting that he is designing the equipment. He was in need of HEPA filtered vacuum cleaners and radcon glove bags/containments. At the conclusion of the visit, he decided on a Nilfisk GM-80 with speed controller, web site: www.nilfiskadvance.com and a modified Dog house containment from Lancs, web site: www.lancsindustries.com with some add ons to the bag. Groundwater H.P. called wanting info on surveying the internals of piping. Recommended he search for reports on DOE's Graylit Network. See <http://www.osti.gov/graylit/> Click on "Search the Literature", check "DOE Information Bridge", type in what you're searching for and select the number of documents. Recommend making this a "favorite" since this website can be used to find a million DOE reports.
4. PFP had 16 personnel, engineering, design and operators at the Center Training Area performing tool check out of cutting new penetrations in plex-a-glass mock up glove box faces. A large hole saw will be used to cut the new penetration into the glove boxes. Work will take place inside a glove bag attached to the face of the glove box at PFP. Loaned a bicycle clamp to PFP Ops to use during mockup training for cutting pencil tanks removed from PFF Canyon. The clamp straps around piping and has a pin to mount a reciprocating hacksaw (a.k.a. German Saw). See www.csunitec.com or <http://www.feinus.com/>. Delivered 10 sets of OREX Clothing to PFP Engineering for evaluation. They are looking for a product that will provide additional protection for worker's arms and chest while doing D&D in glove boxes without having to wear a second set of protective clothing. Work area temperatures are typically 90+ degrees F inside the building on warm days. Recommended they consider switching to the disposable OREX clothing as it is much cooler than the cotton/polyester blend they're wearing. In addition, if they liked the OREX clothing they could modify a set of coveralls with scissors so it covers the chest and arms and send it to a clothing manufacturer to reproduce.
5. Fluor engineer visited the Center looking for a pump (UL approved) to pump personnel showers at Building 219 asbestos removal job. Suggested a Randolph pump (peristaltic pump). Randolph have pumps that will pump 3 to 3 1/2 gallons per minute.

A couple of operators from Fluor Federal Services visited the Center looking for rock stoppers (ventilation drum lids) and information on HEPA filtered vacuum cleaners. The Center described locally manufactured rock stoppers, using a drum with two penetration sleeves welded into the lid for an inlet and outlet for the vacuum cleaner system. Cheap and built on site. Suggested the Nilfisk GM-80 with a variable speed controller as a good unit for the work Fluor Federal has at T-Plant and PFP.

6. The Center held a Basic Glove Bag Class (#020729), with two operators from ground water group and two HPT's from SWSD completing the course.

The Center held a tour for a CH2M Hill new Operator's class. Nine chem operators participated in the tour of the Center.

222 labs called about an ergonomic safe shielded sample holder that was shown in last weeks Center Activity Report. The labs are also looking for drying ovens for samples. Suggested the lab go to the Cole-Parmer web site at: www.coleparmer.com . They are one of better supplies of lab equipment and accessories.

Received call from CH2M Radcon. They have a job repairing the cabling on the tank sampling truck and are having problems working in the heat. Recommended he contact T.J Woffinden at SNF and borrow some of their Frham Tex II protective clothing. This clothing is breathable and repels moisture. Currently they are wearing plastic outer coveralls. See www.frhamsafety.com Discussed use of vortex devices for cooling breathing air. The ALARA Center has a unit that was excessed from Puget Sound Naval Shipyard that cools the breathing air by 50 degrees F for 4 personnel. It takes a compressor putting out Grade D breathing air to make it work. Currently, CH2M uses demand respirators connected to a bottle cart. They will discuss with Ops and may call back next week.

7. Received request for information on controlled demolition techniques from a Project Manager at the Canadian Atomic Energy Commission. During the demolition of H Reactor, BHI used Controlled Demolition Inc who had also imploded the Seattle Kingdome. See website at: <http://www.controlled-demolition.com/?reqLocId=7&reqItemId=20030317140323>

Also recommended he read Section 10.4.1.1 of the DOE Decommissioning Handbook at: <http://www.osti.gov/bridge/servlets/purl/10157678-yUQL4E/webviewable/10157678.pdf> and <http://www.osti.gov/bridge/servlets/purl/195755-XrnRNJ/webviewable/195755.pdf>. Referred him to Henry Doolittle of BHI and Dick Sexton at Rocky Flats for additional info.

8. Provided points of contact to SRS and the Ecomass vendor concerning the Ecomass sample shields and carriers developed to reduce dose rates and eliminate the need for the heavier Tee-Handle carriers at 222-S labs. These shielded containers are used to transport highly radioactive samples. The Ecomass is a product made from mixing tungsten, which is denser than lead with plastic to form a compound that has the equivalent density of lead. It is much easier to inject mold this compound into different shapes. See www.ecomass.com . The Center received two Ecomass sample shields from CH2M 222-S labs to display one here at the Center and ship the other shield to SRS for display in their ALARA Center.

VENDORS

1. G/O Corp spent a day at the Center showing some of their products. A good number of site personnel stopped by to talk to the rep. G/O Corp has a new catalog out dealing with just products they carry for nuclear/radiological control issues. If anyone desires a copy, stop by the Center.

2. 3M Systems and Methods Demo Van will be at the Center next Tuesday, May 31st, 9:00 to 2:00. Demonstrations of 3M tapes, adhesives, abrasives, safety, reflective and welding products. 3M product specialist's will be present to answer questions. Hope to see you there.

3. ISA Corporation, Advance Polymer Technologies. This company has a large selection of protective gloves, anti-C gloves and shoe covers. Web site: www.isacorporation.net or 503-371-7811 Ext 17. ISA is the supplier of rubber anti-c and containment gloves to Lancs Industries and DOD Complexes. The

Company is located in Salem, Oregon, with manufacturing plants in the USA. ISA have sent a number of samples of their product to the Center. If you have interest in shoe covers, rubber glove or disposables, stop by the Center and pick some samples. The ISA rep will be at the Center on July 14th, 9:00 to 12:00.

4. HDI (Horizon Distribution, Inc) from Yakima will be at the Center next Thursday, June 2nd at 8:30 to discuss their products. They have over 33,000 items in stock and represent a very large group of manufactures. Web site: www.horizondistribution.com . If you have any unusual or usual needs for tools or equipment, stop by and talk to the HDI rep.

FOR YOUR INFORMATION

During the Savannah River Workshop attendees were provided a bus tour of the site. This tour included a tour of the SRS ALARA Center. I noticed that their display of the Loc-Line products was much larger than the display at Hanford. Loc-Line sells plastic piping and fittings that can be used for spraying liquids or sucking air. It is designed to support itself so can be easily positioned without any supports. It works well when attached to a HEPA filtered portable vent system or vacuum cleaner. Recently Loc-Line increased the size of this plastic tubing to 2.5", which makes it a better choice for workers trying to get their vacuum cleaner suction hose within one duct diameter to capture airborne contamination. Read about the Loc-Line products at: <http://www.loc-line.com/>. Click on "Catalog" and arrow to the right and click again to retrieve the catalog. Page 14 and 15 show the vacuum cleaner hose and fittings. New brochures and samples of more Loc-Line products were requested.

COMMENT: This is good stuff and your operations personnel need to know about the Loc-Line products. Please pass this info to them.

NEW PRODUCTS

1. Received a "Camelbak" back pack from the vendor to see if it could improve working conditions in the field during hot weather. The "Watermaster" has a reservoir in a small back pack that provides a 2 liter source of drinking water to workers via a tube. All the worker has to do is bite on a valve attached to the tube and sip. This system can be attached to respiratory equipment. If worn under protective clothing, facilities would have to determine what controls are needed to ensure workers don't become contaminated. Cost of this device is about \$40.00. See www.camelbak.com or call (707) 792-9700. The Website includes articles on the value of hydrating workers in hot environments. It recommends workers drink 1 liter of water per hour to avoid heat stress. We have been invited to a meeting at CH2M next Tuesday to discuss heat stress issues. We will demonstrate the Watermaster at that time.

2. Received an e-mail from F&J Specialty Products, Inc. The company has quality air monitoring products. Information on new products included in the message, detailed Personal Air Samplers, Battery Powered Air Samplers, Emergency Response Sampling Systems (three models). See attached information. Web site: www.fjspeciality.com .

Jerry Eby

ALARA Center of Technology
509-372-8961 fax 509-376-7717

Larry Waggoner

ALARA Center of Technology
509-376-0818 fax 509-376-7717