

From: Waggoner, Larry O

Sent: Friday, March 30, 2007 12:58 PM

Subject: FW: ALARA Center Activities for Week of March 26, 2007

Attachments: IL121Rev0Spec.pdf; ATITL Information Ltr..doc; 2005_ALARA_activities.pdf

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Visit our web site at: www.hanford.gov/rl/?page=974&parent=0

1. Forwarded info on Trumpf nibblers to WM Engineering Manager. He stopped by and borrowed the PN-200 nibbler to try out on non-contaminated material. Participated in a conference phone call with members of the EFCOG D&D project group. Purpose of the call was to brain storm how a D&D Hotline could be developed to assist personnel at all sites with problems on accomplishing D&D Work. For the present time, sites will be told to call the Hanford ALARA Center. We will be provided a list of personnel representing all contractors and Subject Matter Experts who can help if we don't know the answer.

2. Discussed plans with DOE HQ section on D&D to attend a one-day program that will be conducted at the Savannah River Site on **October 17, 2007**. SRS ALARA Center will host the program to show and tell, through real-world demonstrations and discussion, D&D best practices and lessons learned in several focused interest areas (e.g., cutting tools, fixatives, new Pu Glove box decon approaches, and real-time field characterization). The result of this focused training should meet a DOE objective to better facilitate the knowledge base of D&D decision makers and thereby help in developing improved workforce knowledge, skills, and abilities for D&D operations. DOE HQ will take the lead in publicizing the program. SRS will be contacting several vendors who might want to demonstrate their tools and equipment.

3. WCH called looking for a fixative to seal a sump in an old Silo at 100N. They had originally thought to use ABC, a fixative that has been used on site by insulators for control of asbestos material. The Center suggested using PBS by Bartlett, Inc, website: www.bartlettinc.com, applying thin coats of material to the bottom and walls of the sump. After drying, recommended adding addition light coats until full coverage has been achieved. Then begin D&D. WCH personnel from 100N project visited the Center looking for cut resistant gloves. Center checked out four different HexArmor gloves, web site: www.HexArmor.com, for the worker to show at the Project. There has been a lot of interest in cut and puncture resistant gloves in the past couple of months. National Safety is the local distributor for HexArmor, web site: www.nationalsafety.com. They have a large selection of gloves on the web page and information on the product.

4. The Center personnel visited the K-Basin's pump mock up at 190 warehouse and worked on the glove bag mock ups and containment training for removal of the transfer pumps. The Center continues to support the K-Basin work on the transfer pump removal, repair and re-installation. The Center gave another Basic glove bag class to K-Basins personnel, two pipe fitters and an RCT. The Center attended a day long mock up (dress rehearsal) of the complete preps for pump removal from the hose and hose transfer system.

5. Eva Lauber, WCH Rad Engineer visited the Center looking for information on leaded rubber gloves and other products. The Center has leaded rubber gloves from North Safety, website: www.northsafety.com and information from Shielding International in Madras, Oregon, web site: www.shieldingintl.com, who also have shielded gloves. Information on the gloves from North Safety is attached above, and has been forwarded to Site personnel.

6. Forwarded Al Nellesen's name and contact info to K Basins Radcon. He was in charge of the divers when they dove the 100N fuel pool several years ago. Forwarded MSDS 059022 on Flowchecker Powder to WCH Radcon. The Flowchecker powder is purchased from Lab Safety Supply and used to

check ventilation flow. Received word that PFP was going to purchase and test Hitech Circular Portable skill-saws that cut steel up to 1/2" thick, don't need to be cooled, and throw very few sparks. Read about this saw at http://www.oceanmachinery.com/evolution_saw.htm

FOR YOUR INFORMATION

1. **(HEPA Filter Testing)** In anticipation that we will soon be sending all HEPA filters through the Filter Test Facility in Baltimore, MD before they can be used at Hanford, we contacted the facility and they responded with the attachment titled ATITL Info Ltr. The Test facility will only except HEPA filters and not the entire vacuum cleaner. Less than ten work days turnaround is their goal. The attachment provides an address and packing instructions. Their preferred packaging is in a wooden crate with a lid secured with removable screws or lag bolts. This type of packaging is now a requirement of DOE-STD-3020-2005. The packaging requirements need to be specified in the purchase order so they arrive at the FTF in the proper packaging. There are other requirements related to shipping, Purchase Order, Specifications, Rejects, Test Data, and communications.

2. From the weekly DOE lessons learned report:

[YELLOW - Radioactively Activated Metal Detected on Electromagnet Sent to Scrap \(Source: User Submitted - ID: 2007-ANL-0001\)](#) at web site: <https://www.hss.energy.gov/csa/analysis/doell>
Radioactively activated metal was detected during a routine Health Physics survey of two roll-off dumpsters containing scrap metal items.

3. **(New Heat Stress Product)** Found info on the SWEDE Cooling vest made by First Line Technology. These vests contain PhaseCore which absorbs heat thus reducing the potential for heat stress. Vests are available in Nomex, which is a fire retardant material. See <http://www.firstlinetech.com/portal/products/coolcore/?action=info&PHPSESSID=93352717d3011fb336f9f8f0748048b5>

4. The Homeland Security Committee of the Columbia Chapter of the Health Physics Society is conducting a symposium on the different aspects of radiological terrorism. The symposium will be held on May 18 at the Battelle Auditorium. More info will be provided in the next few weeks. If you like to join the Columbia Chapter, see <http://www.hpschapters.org/columbia/> Dues are \$20.00 per year.

5. Checked the Excess Property List at <http://apweb02.rl.gov/phmc/procweb/epbulletinboard/viewCategory.cfm> Click on "All Items" and Scroll down the list to Schilling Titan III Robotic Arm. FTF no longer needs the Million dollar manipulative arm. This is a brand new arm that was never used on a job. Contact Gayla Lapierre at 376-5932. Jerry Oliver is the lead engineer and can provide details. Call 373-9456. See the video of the Titan III at http://www.schilling.com/support_VideoAnimations.htm It is valued at \$72,000 but we think one government facility can transfer it to another at no charge, except for shipping.

6. **(ALARA Success Stories)** In past years, the DOE Annual Report on Occupational Radiation Exposure included a section on ALARA and had several articles on ALARA success stories. This year's report moved the articles to the DOE Health and Safety Website. We have attached the articles for your information. Submission of these articles is voluntary, but if you have some good news to report, recommend writing an article and include a few photos. This is an excellent way to recognize your workers and your company's success. NOTE: DOE is in the process of revising how they want the articles submitted. As soon as the changes are complete, you will be asked to submit new articles on ALARA Success stories for 2006/2007. Congratulations to the Fluor Hanford folks at WRAP and T-Plant, the CH2M folks at 222-S Labs and WCH for getting their articles published.

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