From: Eby, Jerald L
Sent: Monday, May 07, 2007 7:00 AM
Subject: ALARA Center Activities for the Weeks of April 23 and April 30, 2007

Attachments: FUEL POOL DIVING AT INL.doc; CC PS 413-ML.pdf; Stainless Steel Cutting.doc; April07 Activity Report.pdf; Presentation5.ppt
Visit our web site at: www.hanford.gov/rl?page=974&parent=0 This report contains activity of the Center for two weeks, April 23 and April 30, 2007. Larry was on travel this week to the American Nuclear Society meeting in Los Vegas.

1. The Center held the monthly Site ALARA Chairperson meeting at 2420 Stevens. This monthly meeting gives the Chairs the opportunity to discuss ALARA issues within their organization, share lessons learned during the previous month and give assistances on issues as they arise. The group meets the first Thursday of every month at 2420 Stevens Center. Everyone is welcome. See the attached April 2007 Activity Report from SRS ALARA Center.

2. A Heath Physicists working at FFTF was looking for information on CO-2 blast decon methods for use on components at FFTF. The Center furnished information that was on file, for their review. Based on follow up discussion, the project is planning to use the CO-2 blasting as a decon method. The Center will give a follow-up of the decon results.

3. WESF is working on a radioactively contaminated damper and needed a means to fix any contamination. Suggest using a Dyna-Fog chemical applicator using glycerin fluid. Gave them some literature in the Dyna-Fog applicator and referred him to the local distributor, Encapsulation Technologies in Richland, web site: www.fogging.com .

4. The Center sent a questionnaire out to all the Fluor facilities asking for site specific information on the involvement of RCT/HPT's with the life of a glove bag. This information is to be used as part of the continual training for RCT/HPT's this summer, when they will have module on glove bags taught by the ALARA Center personnel. Response has been very favorable. Thanks for the help.

5. Waste Retrieval operator visited the Center looking for a glove bag device to control contamination while cutting holes in metal at one of the trenches to gain access for pre-entry radiological surveys. The Center gave them a glove bag that had been excessed from another facility in the past to perform the work.

6. K- Basin is in the process of listing a large amount of excessed electronic equipment, cables, connectors and other associated material on the site web page: http://apweb02.rl.gov/phmc/procweb/epbulletinboard/viewCategory.cfm. If your organization is looking for such item, suggest looking at the web page first, before buying new.

7. Forwarded info on fuel pool diving at INL to SNF Radcon. Information was obtained from the May, 2007 issue of Operational Radiation Safety magazine. The section of the article on Fuel Pool diving is attached. Last weeks ALARA Activities Report discussed methods used to fix contamination in piping before the pipes were cut. Received information from R. Largent at Master-Lee Hanford on a product CC PS 413 that is used to fix contamination. This is a two-part urethane that is pumped or poured into the piping and when it exits at the vents, the workers know the product has coated the loose contamination, fixed it in place, and the pipe is ready to cut. Pumping the urethane in has significant advantages when dealing with complex piping configurations. Proper evaluation can determine where vent holes should be established if necessary. See the attached info bulletin CC PS 413 or call Rick at (509) 943-2949. Received request from Area 5 of the Radioactive Waste Management Complex at the Nevada Test Site. D.W. Russell of National Security Technologies LLC was looking for a vendor that sold automatic feed

magnetic portable drills. Referred him to www.csunitec.com, www.tritool.com, and www.rlclifford.com/electrictools/magdrills.html
The magnetic base on the drill secures it in place and it can then be used to drill or mill metal.

8. Received a report from Dave Jeppson concerning testing done with two new skill saws that have blades made for cutting steel. The write up is attached, however the video contained too many megabits for this report. The testing revealed these tools will cut 1/4" stainless steel plate at a rate of about 11" per minute. Invited C. Dunaway from Bechtel to be present during the testing of these new tools and a new Trumpf nibbler. He is currently supporting D&D work on old chemical munitions plants and needs tools that will cut 1/2" carbon steel. In addition, Trumpf Tools designed a new nibbler that will cut 1/2" steel. In addition, PFP has just purchased some new "Skill Saws" that have metal cutting blades. They loaned us their 9" saw that will cut 1/2" carbon steel and stainless steel. In earlier testing PFP was able to cut 1/4" stainless steel plate at a rate of 11" per minute. On Friday we tested the two "skill" saws and the new nibbler. The two skill saws worked great cutting 1/2" carbon steel plate. The Evolution saw with the carbon steel blade cut about 24" per minute and left a very small burr. The Trumpf nibbler had trouble cutting the 1/2" boiler plate and they will redesign the tool so that it takes a smaller bite each time it nibbles. Plan is to retest the nibbler in mid-May. Reports will be written on the cutting tests and videos of the cutting will be available next week. Recommend anyone doing D&D check out the Evolution Saw at http://mtechsales.com/products/CircularChopSaws/ or call Tom Johnson at (866) 386-8665 or email tomj@hitechevolution.us.

9. A WCH engineer called for information on containments that can be inflated to make them easier to install. Referred him to Inflatable Abatements at (207) 746-9551. They don't have a website but suggested he ask for brochures and their videotape showing how easy it is to install their containments and glovebags. We have used these containments at WRAP and Building 325 and they worked very well. Gave WCH our doghouse glovebag, Barney puzzle, and Legos to support their "Take Your Kids to Work" day. In addition, they took some new protective clothing to dress up the children for pictures.

FOR YOUR INFORMATION

In the DOE Lesson Learned file , the following might be of interest. Check the web site at: https://www.hss.energy.gov/csa/analysis/doell for the following information.

1. YELLOW Potential Chemical Exposures Not Reported *(Source: User Submitted - ID: Y-2007-OR-BWXTY12-0305)*
   Many of the chemicals we use are irritants. The Material Safety Data Sheet (MSDS) provides valuable information regarding potential hazardous conditions, and the preparation/response to those conditions.

VENDOR CORNER

HEXARMOR- the Puncture/cut resistant gloves information brochure was forwarded by one of the suppliers. Check the following web page.
http://www.nationalsafetyinc.com/dept.asp?d_id=9435&l1=9325&l2=9435

General Electric Inspection Technologies, web site:
http://www.geinspectiontechnologies.com/en/index.html, forwarded pictures (see attached) of a Plunge Sampling Tool that was just delivered to CHG.

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