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Sent: Thursday, December 29, 2005 2:24 PM

Subject: ALARA Center Activities for the Week of December 19th and 27th, 2005

Attachments: DF-AB-40L.pdf; Equipment.doc; spillkit.jpg; decon03-301.jpg; workshop.jpg
See our website at: www.hanford.gov/rl/?page=974&parent=973/ .

This report contains two weeks of material, December 19th and 27th, because of the holiday periods. Larry and Jerry want to wish all, a good and safe Holiday. We are looking forward for next year to assist you in your site projects, where we can be of assistances. Have a good 2006.

1. CH2M Hill Health Physicist meeting at Center to discuss the refurbishment of a pit # SYB farms. Painters that had previously used the Desco F/X tool, web site: www.descomfg.com , for prepping pits were also present. The pit is highly contaminated and a major radiation source, so they are trying to plan all work outside the pit. The Center loaned an Desco F/X tool and a Fein cutter for demos by CH2M of the planned work process.

Contacted by CH2M Hill engineering manager on sources for robotics that could be used in the final clean up in the storage tanks at the farms. The Center suggested S. A. Robotics, web site: www.sarobotics.com, Everest VIT, web site: www.everestvit.com, and Westec, website: www.westecservices.com. Everest VIT has already developed a sampling robotic unit for work in the tanks.

2. Attended briefing at the PFP concerning improvements needed to the Scrubber Room HEPA Vent system. All accessible areas in the scrubber room were previously sprayed with a fixative. High DAC readings have been encountered when components are dismantled in the scrubber room. The loose plutonium ash is hidden under the components and becomes airborne as soon as it's exposed. Plan is to install another 750 CFM HEPA Vent unit and run a trunk line into the room so workers can position it close to the work. Gave them an 8" by 6" reducer and hooked them up with Vent & Balance to get 25' of 6" flex ducting. Recommended they look at NFS/RPS's website at www.nfsrps.com to see what other fittings and equipment are available. Made recommendations on repositioning their Continuous Air Monitor to monitor air concentrations in the worker's breathing zone and installing a scoop on the end of the hose that will focus the incoming air to pass through the region where the airborne radioactivity is being created.

3. Received a message from SRS on a Emergency Response Air Sampler from F&J Specialty Products. See attached DF-AB-40L file. All of the F&J units have been U/L approved in the past. The Center talked to the vendor and this unit is in the final approve for U/L approval.

Check out the new sawsall cutting tool from Sears. See attached file "equipment". This saw might have some uses in the D&D world where space restriction limit the use of a normal saw.

4. Received call concerning the removal of a tank at the San Onofre reactor near San Diego. Inner liner of the tank is held in place with "L" shaped metal brackets that are spot welded. They wanted to know whether the ALARA Center had tools that would cut these spot welds. Recommended they search the internet for "Spot Weld Removal". This leads them to several manufactures that make tools for removing spot welds.

5. Forwarded website to SNF and PFP that concerns Air Sampling in the Workplace. <http://www.osti.gov/bridge/servlets/purl/10186099-GilMEx/native/10186099.pdf> This instruction contains useful info on locating air samplers and the difficulties in getting representative samples from the worker's breathing zones. This is a good read for H.P.s and Rad Engineers.

A groundwater planner visited the Center looking for spare parts for the Euroclean UZ 948. He particular wanted the suction hose adapter on the main unit. Gave him copies of the manufactures part list and a page from the Instructions For Use manual for the UZ 948. He was going to call local supply houses with the part numbers in hopes of finding part. Euroclean doesn't make the UZ 948 anymore and has no spare part available.

The Center had a call from a D&D PFP manager looking for information of a non-explosive hot tap. Suggest the Expansion Seal Technologies unit, a D-Series tapping tool, website: www.expansionseal.com/html/stpg1.htm . Another company that has tapping tools is Ridgid Tools, web site: www.ridgid.com . Forwarded the info to PFP.

A Nuclear Process Operator from Waste Disposal visited the Center looking for overshoes with non-skid on the bottoms. He had a pair of old overshoes with no manufacturing marking that have been working satisfactory for the workers on the painted floors. The Center showed the NCO catalog information from Lancs Industries, web site: www.lancsindustries.com , on an overshoe, #LI-134, they manufacture. While looking at samples of shoe covers, the NCO noted a bootie with non-skid material on the bottom that he felt could be used by the retrieval group. The Center attempted to call Lancs, but they are out for the holidays. The Center will contact Lancs next week to get additional samples and information for the waste group.

6. The Center held a basic glove bag class, course #020749, for CH2M Hill personnel. The class had four operations folks attending.

FOR YOUR INFORMATION

1. The Center received a information that a facility had exceeded a number of aerosol cans of Rad-Con Decontaminants, a spray on decon agent. If you have interest in obtaining some of the material contact the Center. Original cost of the material was ~\$11.35 per can. Present price is free for the taking. See attachment "decon03-301".

2. A couple of month ago, one of the facilities on site was looking for a commercially sold Decontamination Kit. At the time, the Center was not able to come up with a vendor with that particular product. Last week, the Center found the product. See attachment "spillkit". The vendor listing the kit is Cardinal Heath, page 388 in their catalog, item #02-900. Phone number (440)248-9300 or (800) 850-4608 or web site www.cardinal.com/rms .

3. **HANFORD ALARA WORKSHOP 2006 "ALARA AT WORK"** sponsored by CH2M Hill Hanford Group, Inc was announced last week. The workshop will take place July 18 and 19, 2006 at the Clarion Hotel and Convention Center on George Washington Way in Richland, WA. See attachment "workshop" for contact points and further information.

VENDORS CORNER

The Center agreed to sponsor presentation by Heatherly Dukes of UniTech Safety Services in January. She will present a talk on the types of protective clothing on the market and new technology for preventing heat stress. Heatherly formerly worked at Savannah River and ran several successful programs that reduced solid waste, significantly improved the procurement of containments and a decontamination facility for tools and equipment. See <http://www.shopunitech.com/Default.asp?cookie%5Ftest=1> Contact her at (803) 541-7656 if you can't wait.

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