From: Eby, Jerald L
Sent: Friday, March 02, 2007 1:20 PM
Subject: ALARA Center Activities for the week of February 26, 2007

Attachments: GO Corporation - USER INNOVATIONS PROGRAM.htm
Visit the Hanford Fluor ALARA web site at: www.hanford.gov/rl/?page=974&parent=0 . Larry was off site this week attending the Waste Management Conference in Tucson.

1. (ALARA Meeting) Held the monthly ALARA Chair meeting at 2420 Stevens. The meeting was well attended and some good information was share by the attendees. Next meeting will be April 5th, at 2420 Stevens, room 290, at 2:00. All Hanford ALARA Committee Chair's are encouraged to attend.

2. (Special grinder) Garrett Knutson CH2MHill, IH called the Center looking for a tool with negative vent port capabilities (shrouded) to grind on some hazardous material. Suggested Nilfisk, web site: www.pa.nilfisk-advance.com and/or Desco, web site: www.Descomfg.com as good sources for tools with ventilation ports.

3. (K-Basin Requests) Todd Southerland, K-Basin RadCon, was looking for strippable paint to decon pump impellers. Suggested TLC, a Bartlett Product, web site: www.bartlettinc.com and/or ALARA 1146, manufactured by Carboline. Gave Todd information on procuring of both strippable material.
K-Basin NCOs and Respiratory folks were at the Center looking for a better tape that will adhere to the Frham Tech II PPE and the PAPR bib. Two tape product were found at the Center that the workers felt would work, one Quest QT-2 duct tape, web site: www.questsafety.com and the other tape was Polyken Duct Tape, model 226, web site: www.polyken.com. The polyken is used at PFP and is a stores item. They also looked at and picked up information on HexArmor, web site: www.hexarmor.com , cut and puncture proof gloves.
Steve Tilton,RadCon for K-Basins, visited the Center, looking for equipment to better explain to EPA, the use of HEPA filtered vacuum cleaners to maintain a negative on a glove bag during work. The Center took a GM-80, with a speed controller and hooked it up to a training glove bag from Lancs and took pictures of the entire assembly. The picture will be forwarded to EPA with an written explanation by K-Basin RadCon.
Held a meeting with Darren Boone, K-Basin RadCon Director to discuss glove bag training for the workers at K-Basin. This training will be more in line with personnel working in glove bags. The Center already has a class for installer and Certifiers of Radiological Control glove bags. Also, discussed was mock-ups and the use of the mockup as a training tool. This subject is on going and we will publish additional information as the training and use of mockups progresses.
Gary Hastings contacted the Center for information of building and operating a Vented hood. The Center contacted a couple of engineers in NFS/RPS, web site: www.nfsrps.com , that have expertise in negative ventilation and vented hood. Both persons are travel and will be getting back to the Center Monday, March 5th. The Center also talked to the K-basin personnel on the use of the Ventilation book, which has a lot of guidance on vented hoods and ventilation systems.
Bob Elder, K-Basins HP contacted the Center about an vented hood that the Center has for show. The Center has a AirFiltronix vent hood on display. It belongs to AirFiltronix. Hood Size is 18" X 18" X 24". Web site http://www.airfiltronix.com/ . Information forwarded to K-Basins.

4. (Flow checker) Gave a bottle of "Flowchecker" material to Waste Retrieval HP for ventilation flow checks. Flowchecker is sold by Lab Safety Supply, web site: www.labsafetysupply.com , item number 7904C.

5. (Foam temporary shielding) Rob Sitsler called looking for foam leaded temporary shielding. Gave him US sources for Radishield, which is Innovative Industrial Solutions, web site: www.i-i-s.net or Frham Safety, web site: www.frhamsafety.com . Radishield is manufactured in England.

6. (Looking for lead wool batts and glove bags) Bob Schumacher, WCH, working in the 300 Area stopped by the Center, looking for lead batt shielding, especially longer batts. Suggested he contact Owen Berglund, CH2M. He had some batts stored, in the past. For new batts, suggested they contact Lancs, web site: www.lancsindustries.com. He was also looking for glove bag for work on the end of a transfer cask. Looked at the excessed Glove Bag at the Center, but none were large enough. Took him to the Fluor Hanford plastic shop in 2101M, to talk about building a new bag for the WCH work.

7. (Forwarding information) Forwarded the following information from comments from the last weekly report to the appropriate site organization (Info is shown here for everyone's viewing).:

In response to the question about the use of divers in spent fuel pools; divers were used at the Idaho National Laboratory in the 2002 to 2006 time frame to complete cleaning of 6 spent fuel pools across the INL prior to deactivation/closure. They have also been used in some active pools to perform underwater welding and repair of the pool liners. Points of contact for information concerning these activities would be Robert H. Davis (208-526-1054, Robert.Davis@icp.doe.gov), Steve Jayne (208-526-2620, Steven.Jayne@icp.doe.gov) and Diane Croson (208-526-3402, Diane.Croson@icp.doe.gov). Steve Aitken, Idaho National Laboratory, steven.aitken@inl.gov

(Pool Divers) **In last week's report we asked for help from anyone that has experience** and lessons learned from using divers in a spent fuel pool. SNF personnel are reconsidering an earlier decision to not use divers. H. Dukes from Unitech forwarded names of SRS personnel that used divers about 15 years ago. DNFSB forwarded an offer to link us up with personnel who used divers at INEEL. NOTE: The use of divers in a spent fuel pool creates a situation where they could get highly radioactive particulate on their diving gear or get near known and unknown radiation hot spots. SNF personnel are reviewing lessons learned from other sites to determine the actions needed to ensure the divers are safe.
I used underwater nuclear for 2 jobs when I was at N-reactor. One to replace the trampoline in the fuel discharge chute, and the other to modify the underwater fuel cart system. Even gave a paper & speech on it entitled "ALARA and Underwater Nuclear Diving" at an ANS conference in Detroit. Bernie Lueck, 372-8105, e:mail address: Bernie_H_Lueck@rl.gov

Regarding item 1in FYI. RPS removed about 20 HICS of highly radioactive sludge from an underground tank. When we got to the bottom of the tank debris caused numerous hose clogging problems. The problems were essentially eliminated through the use of an industrial grinder in line with the positive displacement pump. The grinder we had would take up to ¾ stainless bolts if I remember correctly. I would imagine this type of grinder could easily be found on the internet. **William Rambow,** NFS Radiation Protection Systems

VENDOR CORNER

1. G/O Corp, web site: www.gocorp.com sent out a flyer, see attached.

2. 3M corp, web site: www.mmm.com , visited the Center this Wednesday to discuss new changes to the PAPR fan motor battery.

3. GE inspection Tech, web site: www.geinspectiontechnologies.com , will be at the Center in about two weeks. Nick has one of GE remote cameras at the Center and will have addition information when he visits.

4. Bartlett Services will be holding a demonstration of the ICM, International Climbing Machines, web site: www.icmachines.com , at the 100N area, March 8th. Time TBA.

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