

From: Eby, Jerald L

Sent: Friday, January 05, 2007 2:22 PM

Subject: ALARA Center Activities for the Week of January 2, 2007

Attachments: Dec06 Activity Report.pdf

Visit our web site at: www.hanford.gov/rl/?page=974&parent0

1. (Inspection Equipment) The Center was contacted by Rick Wojtasek, FH waste retrieval Project Operations Support. He was looking for a remote camera or fiber-optics, twenty feet long, to inspect drums in solid waste trenches. Most likely in a radioactively contaminated environment. Suggested he contact on site, Dan Niebuhr, CH2M and/or Kurk Lenkerdorfer, FH. They both in the past had video equipment similar to what his need is. I contacted a Commercial vender with GE Inspection Technologies, that has sold a number of units at Hanford. He will return with information after January 10th.
2. (ALARA Meeting and Training) The Center held the monthly Site ALARA Chair meeting at 2420 Stevens Center, Thursday the 4th. This meeting is held monthly, where the ALARA Chairperson can share ALARA and Radiological Control issues with each other and discuss lessons learned. The meeting is open to any facility and/or organization on the Hanford site. Larry helped Brian Baumann with a presentation at T-Plant. He discussed worker injuries and the actions needed to decontaminate or surgically remove contamination from wounds. He also discussed the recent incident in England where an ex-Russian spy was killed using Po-210. We presented information on cut and puncture resistant gloves and passed several models around for workers to try out.
3. (SRS) See the attached monthly SRS ALARA Center Activity Report for December 2006.
4. (Worked well) Use of Shrouded Grinding Equipment - ALARA Feedback. PFP personnel used the shrouded grinders and concrete grooves that was recommended for the repair/reconditioning of the PFP Supply Fan Rooms (non-rad). The concrete Shrouded V-Notcher that the cement mason used working GREAT!!! With a vacuum hooked up to it, it captured almost 100% of the silica cuttings. The cement mason was wearing supplied air. After the personal air sample was evaluated, they were downgraded to an APR by IH because of the results. The cut was V shaped approximately 1/2" deep and about 5/8" wide. PFP used the equipment to expose the cracks in the concrete to eliminate the moisture transfer and finally, filled the cracks with a 2 part epoxy.
5. (D &D) Larry talked to R. Heath concerning plans on grouting the U-Plant process cells located under the canyon floor. Plan is to fill a cell with grout and then connect a flush hose to the grout hose and flush to an outside collection facility. Recommended methods to keep from contaminating the flush hose so the solution doesn't get contaminated. This included wrapping the connection with a puncture proof material (it will probably be dragged across the canyon floor) and installing a glovebag similar to the Lanc's Industries Model LI-304 to make the connection. See www.lancsindustries.com.

VENDOR CORNER

1. Horizon Distribution, Inc (HDI) Rep, web site: www.horizondistribution.com, from Yakima, WA and Devcon Rep were at the Center, January 4th to demonstrate a patch kit, "Zip Patch", for drums and other containers. The patch is set in 5 minutes and full cured at one hour. Devcon's web site is at: www.devcon.com. The local Rep for Devcon is in Oregon, Paul Newland, 503-699-1924.
2. Keith Spero of MPG Instruments, web site: www.mgpi.com, will be at the Center for a short product demo on January 25th at 0900.

3. J. T. Marcum of Quest Environmental and Safety Products, web site at: www.questsafty.com, will be at the Center to present some of their products, January 23rd, 2007, 9:00 to 1:00. The company was involved with the Fernald DOE D&D project.

4. Patrick J. Burke of Bartlett Services Inc., web site: www.bartlettinc.com, will be at the Center for a product demo on January 24th, time TBA. Pat's office number is: 303.469.3044, email at: Patrick.Burke@bartlettinc.com.

5. CS Unitec are now selling a grinding wheel for metal preparation that produces less hot sparks. This would have applications where hot work was limited. Contact CS Unitec at: Tom Carroll 219-696-4970 or Tom Kay 1-800-7000-5919, web site at: www.csunitec.com .

6. (New Technology) A new process, Hydrogen Technology Applications, was brought to the attention of the ALARA Center Staff. Little is known about the process at this time, but a visit to the main facility is planned for further information. The gas, Aquygen is made from water and replaces oxyacetylene for welding, cutting and heating. The web site is: <http://hytechapps.com/>. More to come.

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