

From: Eby, Jerald L

Sent: Friday, August 19, 2005 1:48 PM

Subject: ALARA Center Activities for the Week of August 15, 2005

Visit our website at: www.hanford.gov/alara/index.cfm

1. Contacted by Engineering at Waste Retrieval on shielding. He was looking for excess sheet lead. Referred the engineer to Sue Raymond, 376-7064, who handles FH excess material. Contacted by ALARA Chair, also from Waste Retrieval, looking for information on shielding. He wanted to know what a lead wool shielding bat was equivalent to sheet lead. A bat is equivalent to 1/4" of lead sheet shielding or a 1/2 of a half value in reduction of radiation for gamma. He was also looking for lifting gear that could be used on 55 drums using a forklift. Suggested he look at the Grainger Catalog. Web site: www.grainger.com. They have lift gear, various styles for lifting a drum vertically using a forklift or a pick point.
2. Provided info to Groundwater info on obtaining an inexpensive camera to look down a pipe. Recommend they contact Westec at www.westecservices.com. T-Plant workers visited the Center looking a cutting tools for use in the closure that was received from Rocky Flat, that will be used to down size old glove boxes. One repeated issue noted is that some good metal cutting tool are electric and the manufacturer's have not had the tools inspected by an independent lab listed by the OSHA NRTL. The Center has discussed this issue with the manufacturer's, that Hanford will not be purchasing electric tools without the appropriate inspections. For the OSHA Typical Registered Certification Marks, see website: www.osha.gov/dts/otpca/nrtl/nrtlmrk.html 200 LEF visited the Center looking for information on temporary shielding and portable shielding racks. Suggested they contact LanCS industries, web site: www.lanCSindustries.com and NFS/RPS. They also looked at the portable water shield blocks from NFS/RPS, web site: www.nfsrps.com as a possible shielding solution.
3. Discussed methods of installing temporary shielding quickly with WM Engineering Manager. Waste Management personnel intend to remove several drums from burial trenches that may be highly radioactive. In addition, temporary shielding may be needed if problems occur during radiography of the drums. He has located a source of lead bricks and "ecology concrete blocks" in case he needs them. Recommended that if an emergency occurs he could fill metal waste boxes/drums with water, borrow CH2M's hose barn concrete shielding, or contact Susan Raymond from Asset Control, who collects all lead being discarded and sells it when she has a car load. Recommended that during radiography, the drums be arranged in a circle and the RT source exposed in the middle of the drums with the film attached to the outer side of each drum. This would reduce the number of RT shots. Initial plan is to RT each drum separately to eliminate handling of the drums because their condition is unknown.
4. PFP Ops donated two T-Plus hot taps to the ALARA Center for display. These units strap around the pipe and then an explosive charge drives a spike across the pipe exposing a hole. Liquid/pressure in the pipe exits into the housing of the hot tap and out a drain valve. Provided info to PFP Engineering on HEPA filtered vacuum cleaners. They are going to purchase the Nilfisk CFM 137 model with a collector drum. Website: www.pa.nilfiskadvance.com. Plan is to decontaminate the floor of the PFP Scrubber cell using chemicals from Environmental Alternatives Inc using a foam applicator made by IntelaGard. The vacuum cleaner will be used to remove the foam after the chemicals have lifted the contamination from the surface. Loaned PFP a 2 CFM filter and poly bottle adapter.
4. PFP held training at the Center for four days this week for Nuclear Operators, performing familiarization training on using mechanical tools in glove boxes for down sizing material. The main tools used are the portal band saw and the sawsall. Training includes actual cutting material, using the tools safely and blade change outs.

FOR YOUR INFORMATION

Training Courses: Argonne National Lab is offering a training course on Facility Decommissioning, September 19-22 in Ottawa Ontario Canada. For info, see <http://www.td.anl.gov/D&D/> Other training courses can be found at <http://www.tmscourses.com/2003.htm>

Check out the DOE photo web page. DOE has a Photo Archives available. To reach the site, go to your desk top, click in internet explorer, click on Fluor Hanford Inc, on the orange strip click on Hanford Internet, on the information list on the left, click on DOE Digital Archives. Follow the directions as noted. Enjoy.

VENDOR INFO

August 24, 9:00-2:30 Nilfisk at the ALARA Center

August 31, 10:00-4:30 Grainger Day at HAMMER, Contact your ALARA Chairperson to preregister.

During the Week of September 5th, WESTEC, website: www.westecservices.com from Richland will be at the ALARA Center. Time and date TBA. Grover has a large selection of cameras and robotics. Some of his units were used on the Twin Towers of 911, search and recovery.

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