

From: Waggoner, Larry O

Sent: Friday, November 10, 2006 2:32 PM

Subject: ALARA Center Activities for Week of November 6, 2006

Attachments: 2006-RL-HNF-0046.pdf; HANDOUT on Debriefings, Revised Nov06.doc

Visit our website at www.hanford.gov/rl/?page=974&parent=973

1. Made presentation at the Canister Storage Building and WESF on cut and puncture resistant gloves. Showed them several samples and watched the HexArmor video on plunging hypodermic needles through gloves. See www.hexarmor.com. Attended the vendor forum at HAMMER sponsored by CH2M ALARA Program. Nine vendors set up booths at HAMMER and the people who attended seemed very pleased with the information they learned from the vendors. Two persons said they had found solutions to problems they were working on. CH2M intends to do a similar forum each quarter. Met with new sales rep Rich Ambrose from Desco Shrouded Tools. See www.descomfg.com or call (800) 337-2648, ext 26.
2. Forwarded info on Strippable Latex Decon paint to 222-S Lab Maintenance personnel. They plan on painting two areas at the labs with the paint and then stripping it after their work is complete. Plan is to place rubber matting over the dried paint to keep from disturbing it during the work. Referred them to the DOE Technology Website at <http://apps.em.doe.gov/ost>. Click on "Reports", Then select "Innovative Technology Reports", and then select "All - Alphabetically". Scroll down the list to "ALARA 1146 Strippable Coating". Offered to supply samples for them to try out.
3. Loaned two 2 CFM filters and a poly bottle adaptor to personnel working on venting equipment used by CH2M in the Tank Farm pits. Gave a total of twenty-one 5 gallon containers of Polymeric Barrier System to three groups at WCH. We still have eleven containers for anyone else that needs it. Forwarded info to G. Davis who is the ALARA Coordinator at SNF. Info provided guidance on how to get the most benefit from debriefing radiological work. See the attached handout.
4. Walked down a job at WESF where they want to replace some cabling going to a hot cell. The cable trays have to be opened and they contamination. In addition, the new wiring has to be put into the hot cell and then run through the wall to the outside. Took pictures and to assist in designing the glovebag. Made up a mockup of the electrical conduit and fittings and designed a glove bag using a cardboard box, excess plastic sleeving and glue.

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FOR YOUR INFORMATION

1. A "Just-In-Time-Report" is attached that concerns defective MSA PAPR Hoods. Three hoods were found that had defective seams. 2,000 of these hoods were made in June 06 and they are being returned to the manufacturer. WRAP Radcon used the ALARA Center Conference Room to conduct oral boards for Lead RCTs.
2. Unitech provided a sample of a laundry bag being used at Savannah River for display at the ALARA Center. It is sized so workers can only get 50 lbs of anti-C clothing in each bag. SRS was having occasional problems with workers overloading laundry bags, which resulted in worker back injuries when handling the bags on site and at the laundry. See <http://www.u1st.com/index.php> Received several packets of Water Works Crystal Superabsorbent. These packets will be used to demonstrate how the product solidifies liquids that may exist in radioactive waste, soil, or to absorb a contaminated spill.

Contact the ALARA Center if you need some samples or Scott Altmayer at (440) 725-5987 or see <http://www.1water.com/>

3. PFP and Michael O'Neill of CBI will be testing a new decon process for gloveboxes between December 5-8th at the ALARA Center. Cellular Bioengineering Inc has developed a process that may be superior to other glovebox decontamination processes tried to date. Cellular Bioengineering Inc is also working on restoring a person's ability to walk, see, and function normally through the use of six new regenerative medicines that involve chips and biological implants to restore body cells. PFP will prepare some non-radioactive acid-etched coupons that can be used to demonstrate the effectiveness of the decon process. These coupons are being made from different materials that simulate the conditions inside their gloveboxes.

4. NRTL Discussion: There is an OSHA requirement that personnel buying electrical equipment need to ensure it has been tested by a Nationally Recognized Testing Lab (NRTL) before it can be purchased. After the equipment has been tested and approved, special markings are placed on each item. There are over 15 testing labs that have been OSHA Approved and each has its own unique marking. The most common is Underwriter's Lab. Many small companies can't afford to have their equipment tested so there is no marking. In Europe or England they have their own testing labs and their own set of markings. Many of these are not recognized in the United States. The website to find out which markings are approved in the United States is <http://www.osha.gov/dts/otpca/nrtl/index.html> .

Counterfeit Markings: Recently, the Underwriter's Lab has found that some companies selling electrical equipment have been placing the U/L mark on electrical equipment that was never tested. The website to learn more about this is <http://www.ul.com/ace/>

Possible Solution: If you need to purchase a special electrical tool or equipment that hasn't been tested by an NRTL, you can either make it part of the purchase so the manufacturer has to get it tested or, contact Steve Stecker at 373-7715 who has the documents in place to bring an inspector from the Underwriter's Regional Lab in Camas, WA to do the inspection here.



5. Had workers that were interested in mounting a HEPA filter on equipment to keep it from becoming contaminated. Supplied them with containment HEPA filters from Lanc's Industries. R. Pierson forward info on a small in-line HEPA filter made by the Pall Corporation. See above and website http://labfilters.pall.com/catalog/924_20033.asp