

From: Waggoner, Larry O
Sent: Friday, February 18, 2005 11:09 AM
Subject: ALARA Center Activities for Week of February 14, 2005

Attachments: presentation.pdf; fixative 7.doc
Visit our Website at www.hanford.gov/alara/

1. Provided 6 hours of training on Basic Containment Installation and Certification to 6 Operations personnel and 1 RCT. Jerry Eby spent one day as a judge at a local Junior High Science Fair. Referred SNF Ops to Lanc's Industries to obtain large diameter sleeving. See www.lancsindustries.com. Delivered a pump sold by Bartlett Nuclear Services to the Energy Northwest Reactor Plant. They intend to use it for training personnel for their next outage.
2. Forwarded info on helium bubble technology for testing ventilation systems to Vent & Balance Manager and Site Technical Authority for HEPA Filters. Read about this at www.sageaction.com. Received a call from Savannah River tank farms RadCon Planner for procedural information on Hanford Tank farms. Referred him to Craig Upchurch and Robert Brown.
3. Forwarded fixative info from BHI to INEEL personnel who visited Hanford last week. BHI uses Terra-Bond for general dust Suppression and Dust-Bond for the heavy duty tasks. See www.terrabond.net and www.ddemulsionsinc.com/Products.htm BHI also tested five types of floor fixatives and PrePrime 167 was found to be the best. It covers good and appears to fix itself to the top layers of concrete. It also seemed to penetrate farther into concrete than the other products. See http://www.altexcoatings.co.nz/167_pds.htm and <http://www.wave.co.nz/~altex/topic110.htm> Since there is a continuing interest in the use of fixatives for D&D, we attached the latest revision to our List of Fixatives to this report.
4. A CH2M Hill planner (Jock Davis, 373-6550) visited the Center looking for information on the Frham Tech II PPE clothing. Web site: www.frhamsafety.com. Showed him samples of the clothing and gave him a copy of the Frham Tech II technical report on the clothing. Plan is find cooler protective clothing to use during the summer months. Provided vendor info for Frham and Marynn Safety, web site: www.marynn.com. Met with Tank Farms personnel and discussed additional heat stress prevention techniques. CH2M is looking at ways to improve safety and efficiency in the Tank Farms. Discussed possible methods of improving work schedules, streamlining prejob briefings, sanity checking the temperatures that require a work-rest regimen, air-conditioning containments, and installing enclosures with bridge cranes over the valve transfer pits. Provided samples of Kool Vests that circulate ice water or can be charged with ice water to CH2M Manager, Nancy Millican. Also loaned them a vortex cooling device that can be mounted in the airline that cools the air by 30 degree F and samples of OREX disposable protective clothing.
5. RadCon Manager for the decon facility near Kadlac Hospital visited the Center looking for information on cutting contaminated piping 24" to 36" in diameter. This facility is located in downtown Richland and was used years ago for personnel decontamination. It is being decommissioned at this time. Talked about plasma and torch cutting, grinding to a blue line and use of Tri-Tool cutter, www.tritool.com. Called Tri-Tool and had a conference call, discussing tooling, rent of tools and having Tri-Tool perform the work with their tooling. Notified the contractor that Daryl Anderson from Tri-Tool will be on site next Tuesday. Forwarded information on pipe cutting techniques to the contractor.
6. An engineer visited the Center looking for a pumping system to remove liquid and suspended solids from a tank at PUREX. They need to lift the liquid 29 feet plus an additional 10 feet to a tank. The engineer was interested in the Bartlett peristaltic pump, Nuclear Master-Pump. Made a conference call to Bartlett with the engineer. Modification would have to be made to the Bartlett pump to meet all the needs at the PUREX project; Bartlett Rep stated that was possible and would work with the

engineer. Provided a copy of the operation procedure and pump manual. See www.bartlettinc.com or call Jim Condron at 376-0863.

7. FH workers from SNF came by looking for underwater tools they could use to cut 4" piping and angle iron. They were impressed with the Champion Hydraulic Shear and will contact Mega Tech at (804) 938-1261 or www.championrescuetools.com. Forwarded them three websites that have other tools designed for underwater work. These are:

<http://www.steffeninc.com/tools.html>, <http://newdraulictools.com/>, and http://www.numa.com.au/list%20_tools.htm

8. Two PFP Engineers visited the Center, looking for information for cutting out the pencil tank piping and stainless steel support members. For the pipe cuts, they were interested in the clam shell cutting machine sold by TriTool. For the support member, they were interested in the Unitec sawsall at www.csuntiec.com. Gave information brochures on both companies and discussed other tools, such as the Champion cutter and porta-band saw. (Dick Thomas, 373-9244)

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FOR YOUR INFORMATION

A. Last week's report stated that we had a Hotsy Pressure washer on display. The vendor had to take it back because she sold it. Anyone wanting to see a demonstration of the Hotsy should contact Columbia Basin Hotsy at www.cbhotsy.com or visit their shop at the Richland Airport. Everywhere the Hotsy has been used to decontaminate equipment we keep hearing good reports. They can also be reached at (888) 844-6879.

B. Found a few websites that may be valuable. <http://www.radwaste.org/service.htm> provides a list of vendors that sell to the nuclear industry. www.ntc-industrie.fr is a French company that sells a lot of products including modified Conex shipping containers. See their attached presentation.

C. Occasionally we are contacted by Site personnel who want to use tools or electrical equipment that have not been inspected by a Nationally Recognized Testing Lab (NRTL), such as Underwriter's Lab. Smaller companies do not usually go to the expense of having their equipment inspected because it's expensive. NRTLs determine that specific equipment and materials (products) meet consensus-based standards of safety to provide assurance, required by OSHA, that the products are safe to use in the U.S. workplace. Recently, a UL inspector was brought to Hanford to inspect 10 vacuum cleaners and another time, he inspected the Fog Cannons used for D&D at Building 233-S. In order to streamline the process of getting uninspected equipment inspected, Sami Merriman has set up the necessary paperwork to get the inspection accomplished. So if you have a product that hasn't been inspected by a NRTL, have your Production Control person contact Sami at 373-2248 and she will walk them through the process. Read about NRTL's at <http://www.osha.gov/dts/otpca/nrtl/index.html>.

HEAD'S UP!

A. At a recent monthly Government Auction in Pasco several Ridgid pipe cutting tools and pipe vises were auctioned off. These tools had been excessed by a Hanford facility and the tools appeared to be in near-perfect condition. In the meantime, PFP engineers are trying to purchase these same tools. Estimated value of the tools and vises was \$600.00. Contacted Susan Raymond who coordinates the excess material and the Maintenance Manager and requested the ALARA Center be contacted in the future to look at tools that could be used for D&D work. Both agreed to work with us to ensure that we are not disposing of tools that can still be used. We intend to claim these tools before they go up for auction and provide them to Hanford Contractors. Recommended the ALARA Chairpersons find out what

tools and equipment are being excessed at their facility and determine if they have use somewhere else at Hanford.