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Sent: Friday, September 16, 2005 2:03 PM

Subject: ALARA Center Activities for the Weeks of September 6th and 12th, 2005

Attachments: 7312_AntiC_v5_PRESSopt.pdf

Visit our Web site at; www.hanford.gov/alara/index.cfm . This report contains material for the weeks of September 6 and 12, 2005.

1. T-Plant called the Center with an shielding issue on one of the process skids. T-Plant has a couple small hoses that come up through a deck penetration and travel across the deck. There was some concern during the ORR that an operator at a control panel would receive unnecessary radiation exposure from the hoses. Hose connections are at the deck penetration and any added weight to the hoses could cause leakage or damage to the hoses or at the hose connection. Suggested a staging pipe be mounted between the metal walkway railing of the skid, use C or S hooks and chain to hang a short shield curtain made of lead wool bats. Another suggestion was to have a cave built of wood to support lead wool bat shielding over the hoses and connections. But, in no way, allow any additional weight to be put on the hoses or the hose connections.

T-Plant personnel visited the Center looking for some device to assist on attachment of the sleeve on ventilation bag ports. The Center had received from West Valley DOE facility, a couple of cases of web belts with a buckle that T-Plant felt would work for the ventilation work and took one case of the belts back to the facility.

2. PFP visited the Center looking for tooling to scabble concrete in the scrubber cell. They wanted to remove just the top ~1/4 inch of material. They had looked at the Pentek, Inc., web site: www.pentekusa.com and were looking for other tooling available. The Center suggested the Desco (web site: www.descomfg.com) concrete scabber, the shrouded FX tool with roto-peen hub. Gave the group brochures from Desco Manufacturing tools.

PFP called about G/O Corp flex tape. Gave the e-mail address for G/O Corp. do to their phones and power are still out. They are in Louisiana. K-Basin called looking for metal RadCon chain. Suggested G/O corp. Gave the e-mail address as they are still without power of phones but do have the availability of the computer link. For E-mail, contact nukemail@gocorp.com or visit the web site: www.gocorp.com .

PFP held three classes at the Center on "Visual Examination Technique for PFP Debris Waste" to Nuclear Operators.

3. The Center had Westec of Richland, noted for cameras and robotics, for a Demo with Ground Water. Web site: www.westecservices.com . Westec showed camera units that can be lowered in a well casing up to 500 feet down and give good picture resolution for inspections. Westec is continuing to work with ground water on the camera unit. Additional information; Westec of Richland has now partnered with Vista Engineering Technologies, L.L.C. of Kennewick.

4. CH2M visited the Center looking for closure for the sample trucks during work. Gave some brochures on the Kelly Klosures. Web site: www.kellyklosure.com . Kelly Klosure come in all sizes, and are reusable panels.

CH2M Hill worker contacted the Center looking for strippable material to use on concrete. Sent the worker to a CH2M field work supervisor for a source of the material. CH2M hill in the past has used and have some stock of ALARA 1146, a strippable latex paint used on concrete and other surfaces for decontamination.

5. Provided assistance to Washington Closure personnel on glove bag design for cutting two PVC vertical pipes. They watched a video tape from Inflatable Abatements and took samples of OREX disposable and Frham Tex II breathable protective clothing. Received call from the

Gaseous Diffusion Plant in Portsmouth Ohio. Plant is undergoing D&D and they requested info on the best D&D technology in use at Hanford. Forwarded several documents and mailed a CD with other info that was too large to send electronically. We have added this plant to the distribution for the ALARA Center Weekly Report. Recommended they attend the Waste Management Symposium in Tucson, AZ where the newest tools and equipment are introduced each year. See <http://www.wmsym.org/>

Washington Closure Group engineer visited the Center looking for additional protection for the worker about a normal length PPE rubber glove. Options suggested were to purchase a gauntlet glove, 3/4 or full sleeve from 3M, web site: www.mmm.com or purchase arm sleeves made from polyurethane or herculite (TM) material. Lancs Industries in Seattle, web site: www.lancsindustires.com make the arm sleeves on a routine bases and have polyurethane sleeves in stock. Gave the WCS engineer information on Lancs Industries.

6. Forwarded copy of Test Report on FEVDI fixatives to ALARA personnel at other DOE Sites. Report describes results of applying the fixative LP3 and LP4 to concrete specimens to determine whether it would fix contamination. Results look good and the product has been approved for use at Hanford. MSDS is #063601. Copies of the Test Report can be obtained from Eric Tchmitcheff at (509) 373-2609 or Eric_Tchmitcheff@rl.gov.

7. **UPDATE:** Held another meeting with Waste Retrieval RadCon Manager to continue the discussion (noted in the Activity report for August 29, 2005) on a conceptual closure bag for damaged drums found during retrieval. Operations and the RadCon group have been working on a bag closure design that would fit entirely around a damaged drum to contain the contents while the drum is moved into an overpack drum. The final concept is now going to Lancs Industries for comment and construction of a couple prototype units for field testing by operations.

VENDORS CORNER

1. HDI (Horizon Distribution, Inc) visited the Center. Web site: www.horizondistribution.com. They are a large wholesale distribution house in Yakima, that market a number of products from different manufactures, in industrial/MROP/safety. HDI are used by on site procurement personnel for a number of products.

2. Westec held a demo of cameras for Ground Water at the Center. (See entry above) Web site: www.westecservices.com

3. I.S.A. Corp, web site: www.isacorporation.net forwarded a product brochure on their Anti-C Gloves. See attached for the brochure. They are located in Oregon.

4. Two Vendors, one from Kelly Klosure, web site: www.kellyklosure.com, and one from NFS/RPS, web site: www.nfsrps.com visited the Center for meetings with site personnel. Kelly Klosures are made of panels that are easily installed and removed and reusable. They are designed for outdoor use, with an insulation pack if desired. NFS/RPS have the Perma-Con units that are again easily installed and removed and reusable. They are more designed for indoor use. Also NFS/RPS was here to discuss HEPA filtered exhausters. Both vendor met with T-Plant and WRAP personnel here at the Center and at their facilities. In addition, they met with K-Basins personnel, CH2M sample truck group and CH2M transfer pit group.

5. Industrial Video, web site: www.industrialvideo.com visited the Center. Tim Taylor, the company president discussed with the Center, new products they are marketing for cameras interfacing with computer stations and integrating remote cameras and audio systems together.

6. The NW sales rep for Olympus video and imaging group will be at the Center next Monday, September 19th for a Product Demo, web site:

http://www.olympusamerica.com/msg_section/msg_video_end.asp?DCMP=bottom_msg_video .
Stop by after 0900 in the morning.

FOR YOUR INFORMATION

The Milwaukee 6190-20 **utilizes dry (a.k.a. "cold") cut technology** which will cut on average three times faster than an abrasive machine and costs 1-1/2 times less to operate. **The saw produces little to no sparks when cutting** and leaves a virtually burr-free finish. The motor is a 15 amp, 4.8 max H.P. The base is a heavy-duty cast aluminum reinforced with a 1/4 in. steel plate. The vise and back fence is tool free. The horizontal D-handle provides optimum comfort whether the tool is on the ground or sitting on a bench.

<http://www.milwaukeeconnect.com/webapp/wcs/stores/servlet/ProductDisplay?storeId=27&catalogId=40027&langId=-1&productId=278586&mainHeader=Tools&categoryId=189330&mainCategoryId=362&parentProd=281131#>

2. Received call from SRS Tank Farms with questions on how containments at Tank Farms are repaired and how we design and use them with an open top. Discussed the design and the study in progress on installing portable buildings over some of the valve pits. Referred him to Bob Brown, who can provide more detailed info.

3. U Plant has been leasing a hotsy pressure washer to decontaminate equipment and reports are that it is working very well. Three detergents sold by Hotsy have been approved for use on Site. They are: **Ripper I** is a degreasing detergent which is highly effective on off-road and grease-clogged equipment, tractor-trailers, general vehicles, etc. It's also excellent for cleaning shop floors and walls. **Carbon-ATE** works great in either hot or cold water, a great degreasing detergents for engines, parts cleaning, hard-to-clean vehicles, road film, as well as food and grease build-up. It's also great on polished aluminum. **Enviro-Clean** is a phosphate free detergent that's safe for all kinds of cleaning, great on aluminum as well as having the cleaning power of a highly concentrated degreaser. See www.cbhotsy.com

4. The weekly report from August 8, 2005, reported on a lesson learned from PFP concerning a Continuous Air Monitor that alarmed when the tape covering a slit in the glovebag failed. The lessons learned described a smoke tester that simplified the process of determining where the leak occurred. The model that PFP uses is Flowmarker 1, from the German company "Safex". The exclusive distributor is Degree Controls at (603) 672-9800 or www.degreec.com. The local distributor is "Phil" at Duerfeldt Engineering in Portland, OR at (503) 297-3107.

5. Recommend that everyone on distribution read Operating Summary Reports 2005-10 and 2005-11 found at <http://www.eh.doe.gov/paa/oesummary/oesummary2005.html> While these reports don't just concern radiological work, they do concern the work hazards that many of you encounter daily.

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