

From: Eby, Jerald L

Sent: Thursday, February 08, 2007 12:46 PM

Subject: ALARA Center Activities for the Week of February 5, 2007

Attachments: IM - Surveys of Bottom Surfaces.doc; Drum on Extension Tool.JPG; Planchets Sample Smears.htm; NEW PRODUCT AND SERVICES ANNOUNCEMENT.doc

Visit our Website at: www.hanford.gov/rl/?page=974&parent=0

1. (Remote Cameras) K-Basin are investigating material that has clogged the hose in hose sludge transfer pump and means for cleaning out the foreign material. K-Basin's contacted Nick Clyma, of GE Inspection Technologies, website: <http://www.geinspectiontechnologies.com/en/products/rvi/index.html>, who had previously supplied the remote cameras to perform the pump internal inspections. His company make retrieval kits, for removing foreign material. The Center gave K-Basin information on the retrieval kits and contact information for Mr. Clyma. In return, K-basin has furnished a couple of photos of the pump internals where the foreign material is located to GE Inspection Technologies to assist in finding the right tool.
2. (Contamination Control) Forwarded info on Contamination Control Techniques to R. Worrick of WCH. He is currently working on D&D of contaminated buildings in the 300 Area and D&D of a rusty tank in the 100 area.
3. (CH2M ALARA Council Mtg) Attended the CH2M ALARA Council meeting and briefed them on the ALARA Center and the sharing of lessons learned. Met with engineer from Vista Engineering. He has been hired to write a new procurement specification for HEPA filtered vacuum cleaners. Gave him several documents on vacuum cleaners and ventilation. Recommended he address whether HEPA filters used in vacuum cleaners have to be sent through the Filter Test Facility at Oak Ridge before they are installed and tested again by Vent and Balance. In addition, discussed the OSHA requirement to test electrical equipment at a Nationally Recognized Testing Lab and mark each vacuum cleaner. Showed him all the vacuums at the ALARA Center and how facilities use and maintain them.
4. (ISO-Con Enclosures) Two engineers from D&D visited the ALARA Center to look at the Iso-Con containment being sold by NFS/RPS. They are looking for a replacement enclosure for the U-Plant "bubble". The bubble was placed inside the U Plant canyon at a location where personnel could open a door and be inside the bubble. This allowed them to monitor work without dressing in protective clothing. The Iso-Con is made of individual panels that can be bolted together. Each panel consists of an aluminum framework with inserts made from polycarbonate, acrylic, flexible sheets, rigid PBS and PVC. Panels can be installed that have openings for ventilation hoses, communications and essential services. Another option they are looking at is to have the bubble made from clear sheets of lexan plastic. Loaned them a copy of the the videotape from Inflatable Abatement that shows workers installing containments by inflating. Point of Contact is John McDonnell at (503) 363-6199 at NFS/RPS.
5. (TRU Gloveboxes) Received request for information on the testing of TRU gloveboxes from the Oak Ridge Rad Engineering Manager. Forwarded the message to PFP.
6. (Safety-Survey under Containers) Information is being forwarded about performing surveys under containers. This is a safety issue. See the attachment from Tony Umek, Safety V.P., "POLICY REGARDING SURVEYS OF BOTTOM SURFACES OF CONTAINERS" and the picture (attached above) of a survey reach tool that had a drum fall on the survey tool, not the RCT/HPT's hand and/or arm during performance of work. Good lesson learned without an injury to the work force.

7. Received a glovebag from PFP Plastic Shop for display at the ALARA Center. The bag is made of Polyurethane, which is much tougher material than the normal PVC and much more tolerant of the cold. Major draw back to the material is attempting to attach add-ons after the bag has been manufactured. The Center and the Plastic Shop have not found, to date, a good adhesive for attachment of new sleeves or other add-ons to the Polyurethane.

FOR YOUR INFORMATION

1. (Pool Divers) In last week's report we asked for help from anyone that has experience and lessons learned from using divers in a spent fuel pool. SNF personnel are reconsidering an earlier decision to not use divers. H. Dukes from Unitech forwarded names of SRS personnel that used divers about 15 years ago. DNFSB forwarded an offer to link us up with personnel who used divers at INEEL. NOTE: The use of divers in a spent fuel pool creates a situation where they could get highly radioactive particulate on their diving gear or get near known and unknown radiation hot spots. SNF personnel are reviewing lessons learned from other sites to determine the actions needed to ensure the divers are safe.

2. (Cleanup at Rocky Flats) See 122 page document on the Cleanup of Rocky Flats at <http://www.gao.gov/new.items/d06352.pdf>. The latest catalog from the Institute of Nuclear Power Operations is attached. Anyone interested in obtaining any of these INPO documents should contact Mark Eby at 376-8991.

3. (DOE Document) A new document has been made available on the HSS Web Site: DOE-STD-3007-2007; Guidelines for Preparing Criticality Safety Evaluations at Department of Energy Nonreactor Nuclear Facilities. Please go to <http://www.hss.energy.gov/NuclearSafety/techstds/standard/std3007/doe-std-3007-2007.pdf> to view this new posting.

4. (Cable Clamp for sleeving) The Center found a Cable Clamp for possibly securing sleeving during an umbilical cut of a pass out sleeve. Web site: www.cableclamp.com. Information has been forwarded to T-Plant, Dave Andrews, who has been working on finding a better means of securing the pass out sleeve prior to making the umbilical cut. See picture below.



VENDOR CORNER

1. G/O Corp., website: www.gocorp.com, sent a flyer to the Center showing smears and smear planchets available from G/O. See Attached above.

2. John McDonnell, NFS/RPS, website: www.nfsrps.com, local rep was at the Center on February 7th. NFS/RPS has some new product information, see attached above. John sent some info on Kestrel

indicators ventilation. Here is the link to the RPS web page with the Kestrel indicators. There's also a link on the page for the air flow conversion formulas that you may find useful.

http://www.nfsrps.com/cat_air_instruments.html. I would like to offer a caution based on my experience. Vacuum cleaners generate high velocities because of the small hose diameters. It's possible to actually pull the vanes off of the air flow indicator impeller if you try to measure vacuum cleaner suction velocity. However, Kestrel does sell replacement impellers. Here's the link for the replacements: <http://www.nkhome.com/store/product.php?productid=16147>.

3. Nick Clyma, of GE Inspection Technologies, was at the Center on Tuesday February 6th, working with K-Basins. See entry #1 above. Nick left a remote operated probe camera at the Center for Show and Tell. Anyone interested can visit the Center and see the unit. It is a basic unit, but very functional.

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