

From: Eby, Jerald L

Sent: Friday, October 14, 2005 1:56 PM, David; klute, K; long, M; Meig, T; Mortenson; Nelason, A; New, PJ; Perron, H; Rambow, w; Riley, WP; Rosenberger, Kent; Saitken; Sanders, David; Simiele, Gerald A; Smith, Lee; Tim; Tryon, Art; Vincent, C

Subject: ALARA Center Activities for the Week of October 10, 2005

Attachments: Hanford e-invite Oct 2005.pdf; Niebuhr's Wach Saw.doc; 935_brochure_4_pages[1].pdf

Visit Our Website at: <http://www.hanford.gov/rl/?page=974&parent=973>

1. B-Plant is in preps for a plant ventilation pre-filter change out. Engineering were looking of 24" X 24" filters for the makeup air and penetration sleeves for the filters that could be used on their radiological control tent. The Center loaned B-Plant two 24" square glue-on penetration sleeves for the tent, a spray can of 3M Super 77, web site: www.mmm.com and a can of H-66 contact cement. B-Plant found in storage the two 24" filters they used last time for this task.

2. The Center visited WRAP to look at a work being performed in one of the TRU line gloveboxes. The chain hoist in the glove box has failed and could have to be brought down from the rail to be repaired or replaced. In place repair has not been successful, at this time. WRAP is looking a different options for getting personnel into the glove box for the work task. Removal of a side panel of the box appears to be necessary in order to perform the work. A couple of choices of radiological containments were suggested; Inflatable Abatement Systems and Lancs Industries tent, web site: www.lancsindustries.com. A couple of different panels on the box have been discussed for personnel access. The Center suggested a walk-in tent with at least one egress vestibule and a designated work area adjacent to the removed panel to the glove box. Depending on space adjacent to the glove box for the tent and staging, if required, make the work area as large as possible, with possibly a table or bench inside the tent to perform work on. Other options are presently being discussed on how to perform the repairs/replacement within the glove box.

WRAP held their EZAC meeting at the Center training area and the attendees were given a tour of the Center following the meeting.

3. Two engineers from Groundwater stopped and looked at tools they could use to size reduce a highly contaminated 70' long drill string they have to remove and place in a burial box. Recommended they contact NuCut and have their local person demonstrate their battery powered hydraulic shear. See www.nucut.com. Reviewed SWSD Temporary Shielding procedure and provided comments.

4. Began copying articles from the list that was provided in last week's ALARA Center Report and forwarded them to Hanford personnel. The list contains the titles of articles we've saved over the last 12 years.

5. Loaned two glue-on swipe boxes to Fluor Government Services to install on glove bags at Tank Farms. Their shipment is in the mail. Loaned a 2 CFM filter to Tank Farms for use in C-Farm to vent a system. Field Engineer from WGH called looking for a nipper that would shear thousands of bolts holding roofing panels on 300 Area Buildings. Referred him to www.diequip.com to look at Krenn tools.

6. Forwarded report on Abrasive Water Jet Cutting of Concrete to SNF D&D personnel. Report is at http://www.wjta.org/Book%203/2_1_Kirby_&_Kramer.pdf

7. Met with a ex-chemical operator from PFP who was looking for a way to sample particles from piping. Showed him the Expansion Seal Technologies Hot Taps and discussed different tools that could be used to collect samples inside the pipe. PFP needs to determine what type of material is in the piping in case they decide to place the plant in dry lay-up.

LESSONS LEARNED:

1. Last week's report discussed the BROKK Demolition Machine and provided their website at www.brokkinc.com. Grant Ceffalo, who now works at Oak Ridge reported that when BHI first began using the BROKK in the 100 Areas that had a lot of down time for maintenance. Whenever a hose or fitting blew or was damaged by falling debris there wasn't a ready supply of spare parts. The BROKK is made in Sweden. Grant suggests that anyone using a BROKK should change the hoses and fittings to American-made products that are readily available before using a BROKK in the field. This will simplify procuring replacement parts.
2. Last week's report also said that SNF was looking for a fogger to spray an aerosol fixative inside a glove box. Bob Brown (372-2932) from CH2M suggested they might consider using an adhesive spray instead. Currently, Tank Farms is using an Industrial Adhesive from Westech Corp to "fix" contamination. See www.ok2spray.com.
3. Dan Niebuhr of CH2M Hill wrote SRS ALARA Center about tank farm experience using Wachs Guillotine Saws. For the information, see the attached document from Dan, above. Web site: www.wachsco.com.

FOR YOUR INFORMATION

1. One of the methods that can be used to break up concrete during D&D is the use of Non-Explosive materials that cause the concrete to fracture. Holes are drilled at specified intervals and a product is poured into the holes. As it cures, it expands and fractures the concrete. The extent and direction of cracking is controlled by hole spacing, hole depth and hole diameter. Once it cracks, the reinforcing rods are cut separately. A test of this product showing a step-by-step procedure can be found at: <http://www.archerusa.com> Click on "Dexpan", choose "English language", and scroll to the bottom.

2. The ALARA Center received the first of two shipments from West Valley DOE Site of government material transferred to Hanford. Below is list of what was received by the Center and that is available to **anyone** that needs the material.

Anti-C Yellow Vinyl Suits- Large (522 pcs)
Anti-C Yellow Vinyl Suits- X Large (110 pcs)
Frosty Yellow Bags 46 X 72 X .008 (126 pcs)
Frosty Yellow Bags 52 X 63 X .006 (82 pcs)
PVS Pre-Filter Disposal Bags (46 pcs)
PVS HEPA Filter Disposal Bags (25 pcs)
TYCHEM 7500 Coveralls w/hood & booties- Medium (6 pcs)
TYCHEM 7500 Coveralls w/hood & booties- Large (8pcs)
TYCHEM 7500 Coveralls w/hood & booties- X Large (6 pcs)

3. A previous weekly report discussed the Hotsy Pressure washer and the three Hotsy detergents that had been approved for use at Hanford. Received calls this week concerning the MSDS numbers of the approved detergents. They are: Carbon-ate (064386), Ripper 1 (033242A), and Miracle Wizz (064023). Read about the Hotsy at www.cbhotsy.com. or www.hotsy.com.

VENDORS CORNER

1. October 18th and 19th, Tuesday and Wednesday, Everest VIT, now General Electric Inspection Technologist, will be at the ALARA Center from 9:00 to 4:00, both days. See web site: www.everestvit.com. See the attached flyer from Everest Vit about their products and visit to Hanford.

2. October 26th, Wednesday, Olympus Video and robotics will be at the ALARA Center from 9:00 to 2:00. See web site: www.olympus.com. Go to "select products", "industrial" and click on "industrial scopes".
3. Eugene Kotchick of EP Kotchick Environmental Consultants will be on site Monday -Wednesday 10/17 to 10/19 to discuss his line of products. Once we learn what these products do, we will invite Site personnel to meet with him.
4. Received a fax from Berkeley Nucleonics Corporation, web site: www.berkeleynucleonics.com discussing some of their products. One instrument is a field spectroscopy system with integrated MCA, Model 935. See the attached data sheet above. If you have interest in this instrument or products, check out the web site.

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