

From: Eby, Jerald L

Sent: Friday, March 18, 2005 1:31 PM

Subject: ALARA Center Activities for the Week of March 14, 2005

Visit our Center website at: www.hanford.gov/alara/

1. A Health Physicist from the 300 area called looking for a small quantity of PBS. Found some material in powder form that they would like to take PBS and mix with the powder to solidify the material. Supplied a 100 mil bottle of PBS from the ALARA Center. PBS is marketed by Bartlett, website: www.bartlettinc.com.

SWSD ALARA Chairperson called the Center looking for a tool to remove liquid from plastic bags without opening the bags. SWSD picked up a hand pump that will be modified to act like a syringe for removing liquid from poly bags at their facilities. The hand pump was from Lancs, website: www.lancsindustries.com.

2. T-Plant ALARA Chairperson called the Center in clarification on a containment Tent Inspection Tag. The zipper on a radiological control containment tent has broken and is inoperable, which is one of the review points on the inspection tag. Suggest to T-Plant personnel that they had several options besides replacing the zipper to make the tent useable for radiological work. In addition, the Containment Inspection Tag, BT-6000-787R (08/93), is being reissued to include additional information denoted in WHC-EP-0749, The Containment Manual, Rev 0 (6/96).

3. Attended "brainstorming" meeting at SNF concerning how to reduce airborne radioactivity in the basins during radiological work. RCTs have been tracking air sample results and there is a notable increase during certain jobs. Respiratory equipment is often worn and estimated cost for this is \$43,000 per week. Looked at several options that included replacing existing roof ventilation, use of several portable HEPA ventilation units, and adding cooling units to reduce temperatures. Recommended they contact John Kremer at NFS/RPS who is a ventilation expert and may be able to help. Offered to present a refresher training class to SNF Operators on Using Portable HEPA Filtered Vent Units to Capture Contamination.

4. A BHI team visited the Center gathering information on fixatives used at Hanford. Handed out the ALARA Center list of Fixatives to the attendees. The BHI team was looking for means to fix contamination inside a small closure. Bartlett PBS was the initial choice by the team for fixing the contamination, with fogging (website: www.fogging.com) and spraying poly urea (Master-Lee Hanford Corp) for their second choice.

CH2M Hill held their Quarterly ALARA Meeting at the ALARA Center. Following the meeting, 10 individuals toured the Center. A CH2M Rad Planner checked out ~ 20 feet of 6" flex hose and a 8" to 6" ventilation adapter to be used on a vendor demonstration in a large greenhouse at 4th and Buffalo (200 East Area) on next Monday. The tool to be demonstrated is the Mega Tech (Champion) cutter, for double wall piping cutting. Website: www.championrescuetools.com

5. SRS ALARA Center wrote with questions on hot tapping large diameter pipes. As we recall, many of the hot taps will work on larger diameter piping as long as the company provides a "saddle" containing a threaded hole to mount the hot tap.

6. Engineers at T-Plant requested info on tools that can be used to size-reduce 6" Schedule 40 piping removed from PFP. They have a hydraulic shear but were interested in other options. Recommended they consider the port-band saws and saws-alls sold by CS Unitec, cutting machines sold by Tri-Tool or the Guillotine saw sold by Wachs. Suggested they look at hinged pipe cutters sold by Ridgid, a new Sears tool with two blades that rotate in opposite directions or use of an abrasive cutting wheel. Provided

them a handout on Cutting Techniques used for D&D Work. See www.csunitec.com, www.tritool.com, www.wachsco.com and www.ridgid.com

FOR YOUR INFORMATION

1. Most facilities purchase "Flowchecker" Powder (7904C) directly from Lab Safety. This powder comes in plastic squeeze bottles and is used to check ventilation flow. Found a new source at Los Alamos for the same product. Central Supply will sell a three pack for \$13.80 instead of the \$18.80 directly from Lab Safety. There is a minimum quantity of eight of the three packs or \$110.40. So if you're in the market to purchase the Flowchecker Powder to check ventilation flow, you might want to contact Mark Hainsfurther at admin@supplycentralltd.com or call (505) 242-7242.
2. Met with the vendor from ABW Technologies Inc that is making shipping casks for FFTF. This company is located in Arlington, WA and has been making specialized containers for several of the DOE Sites plus fabricating other things from metal for 90 years. They are currently working with the Department of Defense, aerospace, energy and nuclear fields. See www.abwtec.com
3. A couple of weeks ago, the Center's weekly report talked about the Hotsy Hot-Water pressure washer. The Center now has a 555SS series unit on display. Website: www.Hotsy.com . A new tool for the Hotsy pressure washer at the Center, is a power head for cleaning ventilation ducting. Another new item from the local Hotsy dealership (Richland, WA) has been added to the Center for Demo. The unit is a VB-20-VRI system, a Vacu-Boom, that capture waste water and a spill containment system. Website: www.vacuboom.com .
4. A new HEPA filtered vacuum cleaner passed through the Vent and Balance Group this week for aerosol testing. Passed with flying colors. The vacuum cleaner is from Tiger-Vac. See picture below of the B-8 RE HEPA Series unit. Website: www.tiger-vac.com .

VENDOR VISITS AND DEMONSTRATIONS

1. 3 M representatives, including a manager from the home office will be on site March 22nd and 23rd. If you have specific question for 3 M reps or would like to met with them, call the Center by COB Monday, March 21st, so we can pass on your request. Website: www.mmm.com .
2. The Nilfisk NW representative will be at the Center, March 23rd, 10:00 to 3:00. They distribute HEPA filter vacuum cleaner and shrouded tools. Website: www.pa.nilfisk-advance.com .
3. ICM, International Climbing Machines will be at the Center, for a demo of the ICM wall walker on April 4th, 1:00 to 3:00. Website: www.icmachines.com.
4. The Everest VIT NW representative will be at the Center April 5th and 6th, 9:00 to 3:00. Everest have robotics, miniature cameras and remote operated optics. A number of VIT cameras are already in use around the Hanford Site. Website: www.everestvit.com .

Jerry Eby

ALARA Center of Technology
509-372-8961 fax 509-376-7717

Larry Waggoner

ALARA Center of Technology
509-376-0818 fax 509-376-7717