

**From:** Waggoner, Larry O

**Sent:** Thursday, June 02, 2005 3:22 PM

**Subject:** ALARA Center Activities for Week of May 30, 2005

**Attachments:** A Simplified Approach to Mockup Training.doc

Visit our Website at [www.hanford.gov/alara](http://www.hanford.gov/alara)

1. Sponsored demonstration by 3-M showing respiratory equipment, adhesives, tape, welding equipment, and other safety equipment. See attached photo. Provided tours of the ALARA Center to several individuals who were very interested in the tools and equipment. Also provided tours to managers from Grainger and Horizon Distribution Inc. These companies indicated they would be willing to display tools and equipment at the ALARA Center. Conducted PHMC ALARA Council meeting for June.

2. Shipped a shielded sample carrier from 222-S to the Savannah River ALARA Center. This product was manufactured from Ecomass, which is a compound made from tungsten and plastic that has an equivalent density to lead. The compound was purchased from Ecomass and Plastic Injection Molding in Richland made the sample carriers. This company still has the mold and can make additional shielded sample carriers upon request. Call (509) 375-4260. These 7 pound sample carriers replaced the 12 pound Tee Handle carriers formally used to transport samples at the Lab. One additional benefit is the Ecomass product can be decontaminated with soap and water, whereas the lead Tee Handle carrier required the use of nitric acid. BHI reports this company also makes lapel air sample heads and probe attachments that simplify maintaining the 1/4" distance from items being surveyed.

3. PFP personnel stopped by and borrowed the CS Unitec saws-all and clamp to support their mockup training for pipefitters. Training will be conducted at the 200 West Pipe Shop. See [www.csunitec.com](http://www.csunitec.com). WRAP personnel borrowed the Loc-Line self-supporting vacuum cleaner hose and the metal ducting with a magnetic base. They are trying to vacuum fumes coming off drums when they are opened. Recommended they purchase a MAC-21 portable vent system with a drum inspection hood. Gave them a business card from NFS/RPS and walked them through the website. See [www.nfsrps.com](http://www.nfsrps.com).

4. Six personnel from T-Plant visited the ALARA Center and tried out the TRUMPF Nibblers. Aage Hval, the sales rep demonstrated the tools and the manager indicated he was going to purchase several models. See [www.trumpf.com](http://www.trumpf.com).

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#### FOR YOUR INFORMATION

1. In last week's report we discussed PFP Engineering's efforts to find better protection for their worker's chest and upper arms while doing D&D work in gloveboxes. Forwarded suggestion from BHI Radcon Field Superintendent on what BHI did during D&D of Building 233-S. They used plastic veterinarian gloves which reach the worker's shoulder and Tyvek aprons. They also installed air conditioning units to reduce work area temperatures. This eliminated the need to establish work-rest regimens.

2. Normally, all HEPA filters purchased by the Site have to be sent to the HEPA Filter Test Facility in Oak Ridge to be retested before they can be installed in Hanford facilities. The test facility stopped taking filters a few weeks ago while they moved to a new location at Oak Ridge. The move is nearly complete and the test facility will be accepting HEPA filters again on June 20.

## MOCK-UP TRAINING

The amount of mock-up training accomplished on-site is increasing as we begin more D&D projects. Work practices and the techniques needed to operate new tools and equipment are being developed and many of the workers are not familiar with the tools/equipment. Mock-up training before doing high risk jobs helps in several ways:

- Workers become skilled at the work practices needed to perform the work safely and learn to operate the tools and equipment.
- The steps in the work package are refined as workers try and follow them during training. Bottom Line - The work package gets fixed before the job starts.
- The tools and equipment used during mock-up training are tested and workers can decide whether different tools/equipment are needed.

The attachment describes in more detail on how mock-up training could be accomplished and documented. The checklists are examples and can be revised, as needed, to fit the job.

## SAVANNAH RIVER NEWS

SRS personnel are working to solve their heat stress problems just like contractors here at Hanford. Disposable protective clothing is being substituted for launderable clothing on some jobs when "opportunities" are present. Workers are wearing the "Soft Knees" disposable adhesive knee pads to increase worker comfort and decrease punctures at the knees when workers have to kneel. See <http://www.softknees.com/> The ALARA Center provided a MAC-21 portable HEPA filtered vent unit equipped with a drum inspection hood to their Lab. Points of contact at the ALARA Center are Robbie Bates at (803) 208-3601 and Lee Smith at (803) 208-3602. Website is [www.srs.gov/general/enviro/rosc/index.html](http://www.srs.gov/general/enviro/rosc/index.html)

## LOS ALAMOS NEWS

Julio Castro at (505) 667-9377 is busy setting up the Los Alamos ALARA Center and plans to have an Open House later this summer. We keep referring vendors who are anxious to be part of their ALARA Center so it should have a similar look to the Centers at SRS and Hanford.