

**Hanford ALARA Center and  
D&D Knowledge Management Hotline  
Activities and Information Update  
October 27 to November 7, 2008**

**ALARA Center Activities and Information**

1. A Washington River Protection Solutions (WRPS) operator visited the Center looking for suggestions on how to remove a small area of contaminated paint. I suggested that he try Tagaway, a biodegradable graffiti remover for paint. I provided a sample bottle of Tagaway and a MSDS for WRPS safety and IH to review. Work documents will have to be checked to ensure the product can be used in the tank farms. However, Tagaway has been successfully used for similar work at the Liquid Effluent Facility.
2. Majestic Glove and National Safety stopped by the Center to demonstrate Dyneema gloves (photo below), sleeves, sweatshirts, and other interesting cut resistant products. Dyneema is a strong polyethylene fiber that offers maximum strength combined with minimum weight. Dyneema cut resistant clothing could be used inside protective clothing use for radiological contamination control and still provide the user with good dexterity. The cut resistant sleeves and gloves have the feel of cotton or a knit. Information about Majestic Glove products can be found at [www.majesticglove.com](http://www.majesticglove.com) and information about Dyneema is located at [http://www.dsm.com/en\\_US/html/hpf/products.htm](http://www.dsm.com/en_US/html/hpf/products.htm). The ALARA Center has samples of the gloves and sleeves if you would like to come by see them. T Plant, Hanford Patrol, and WRAP were provided with samples to show to the craft.



3. K Basin listed a Lancs built containment tent with vestibule and floor but no supporting structure on the excess property bulletin board. The containment tent was never used. It is 16' h x 20' l x 17-14' h (sloping roof), white, and has windows. The only thing you would have to make or purchase is the support structure. If you would like to use this tent on your project, make your claim on the Fluor excess bulletin board or contact the Center.
4. A team of Washington closure 100 N Area D&D personnel toured the ALARA Center in preparation for cutting and removing tanks from support buildings. The team consisted of pipefitters, RCTs, a radiological engineer, a RCT supervisor, and a safety representative. They were looking at different shielding materials, cutting equipment, and hot taps. We discussed several different shielding options and provided the team with a copy of the ALARA Center custom shielding vendor list and information about hot tap vendors.

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5. Hanford Patrol personnel visited the ALARA Center to look at HexArmor cut and puncture gloves. Patrol is looking for a glove to protect their hands from metal cuts and punctures while searching the underside of vehicle. More information about HexArmor gloves can be found at [www.hexarmor.com](http://www.hexarmor.com).

## **D&D Hotline Activities and Information**

1. Florida International University is working on the D&D Knowledge Management Information Tool home page based on the vision presented to D&D community during the October workshop. The new home screen will allow access to the D&D hotline (Problems/Solutions), Gateway to Environmental Technology (Technology Management solution), and D&D Yellow Pages plus other new features or systems. You are invited to go site and explore the new additions and list yourself on in the D&D Yellow Pages at <http://dndkm.arc.fiu.edu/dndkm/>.
2. The Center received a few questions this week about misting equipment used on track hoes and inside tanks. Tank Farms often apply fixatives in tank pits using an applicator called a “whirly”. The whirly is a rotating nozzle that is lowered into a tank pit and applies fixative in all directions (rotating nozzles photo below). Lechler, web address <http://www.lechlerusa.com/products.asp>, sells the whirly and a verity of other spray nozzle systems that may be of interest. Heavy equipment manufacturers and dealers will often have standard misting equipment you can install on their equipment. The Hanford Heavy Equipment Maintenance Shop can also install misting equipment.



3. The Washington State Department of Transportation has a process to evaluate new products and procedures which may be approved for the Department’s use on construction and maintenance projects. Some of those ideas and products may also be of help on your D&D project. The Department’s webpage can be viewed at [http://www.wsdot.wa.gov/biz/mats/New\\_prod](http://www.wsdot.wa.gov/biz/mats/New_prod).

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**Contacts**

You are invited to visit the Hanford ALARA Center located on the Hanford site at 200E /2101M /226. The Center is focused on supporting your project's safety, radiological engineering, ALARA, and D&D challenges. You can also send your questions, comments, and lessons learned to me via e-mail or contact me by phone. My contact information is below.

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ALARA Center Website: [www.hanford.gov/rl/?page=974&parent=973](http://www.hanford.gov/rl/?page=974&parent=973)

D&D Knowledge Management Website: <http://dndkm.arc.fiu.edu/dndkm/>

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