

**Hanford ALARA Center and
D&D Knowledge Management Hotline
Information Update
July 17, 2009**

ALARA Center Activities and Information

1. ALARA Center and CHPRC Solid Waste Retrieval personnel toured Intellegation's shop to determine if their long reach tools (example below) could be utilized to help remove parts of highly contaminated waste boxes. Intellegation custom designs long-reach tools used for work in hazardous environments. The tools come with different end effectors to sample, cut, retrieve, etc. For more information about Intellegation products and services, visit their website at <http://www.intellegrationllc.com>.



2. PanoMap is a database driven laser scanning technology that has been effectively used in commercial nuclear power plants and may have use in the DOE complex. It represents an as-built 3D model of plant equipment that can be used to plan work, reduce dose, eliminate errors and enhance plant efficiency. The technology includes a very powerful laser scan that allows the user to display laser scan data (or point-cloud data) in a seamless photo viewing of plant equipment. Radiological data, equipment labels and other important data can be displayed to support operations, maintenance and engineering. For more information about PanoMap visit www.csaatl.com.
3. Nevada Test Site (NTS) personnel contacted the ALARA Center to find products to decontaminate or fix contamination on stainless steel. I suggested RadPro because PFP has had success decontaminating stainless gloveboxes with RadPro. I also forwarded the ALARA Center's fixative list so they could determine which fixative would best serve their needs. Contact the ALARA Center if you would like a copy of the fixative list.
4. Representatives from Columbia Basin College toured the ALARA Center to gain ideas and discuss a RCT training program they are currently developing. The ALARA Center will be as supportive as possible with program development and implementation.

**Hanford ALARA Center and
D&D Knowledge Management Hotline
Information Update
July 17, 2009**

5. Reducing human performance errors is fundamental to your site's ALARA success. Therefore, I am attaching links below to DOE's recently distributed Human Performance Improvement Manual and the associated HPI Tool Box for your review.
http://www.hss.doe.gov/nuclearsafety/ns/techstds/standard/hdbk1028/doe-hdbk-1028-2009_volume1.pdf
http://www.hss.doe.gov/nuclearsafety/ns/techstds/standard/hdbk1028/doe-hdbk-1028-2009_volume2.pdf
6. Center personnel attended a CHPRC work planning meeting to help design sleeving to support removing a contaminated tank at the Liquid Effluent Facility. Draft designs are being reviewed by the rest of the planning team.

D&D Hotline Activities and Information

1. Tools of the Trade Online magazine has an interesting article comparing different electric concrete breakers that might benefit you when selecting the next concrete breaker for your project. The article documents tests and compares leading manufacturer's lightweight, medium-weight and heavy electric breakers and rated them for ease of use, power, etc. The full article can be found at <http://www.toolsofthetrade.net/industry-news.asp?sectionID=1490&articleID=686402&artnum=1>.
2. Does your project have a storm water pollution prevention plan? A product call the Storm Drain Defender (photo below) could be an important part of that plan. Storm Drain Defender is a simple sheet of fabric supported by a wire frame and placed into the drain. The entire unit is under the grate, no excess fabric extends above the grate, creating a safer environment for pedestrians. Storm water runoff carries with it dirt and hydrocarbons that pollute our downstream supplies. The Storm Drain Defender traps these pollutants, reducing and controlling entrance of contaminants into our water systems. For more information about the Storm Drain Defender visit www.spill-kit.com.



**Hanford ALARA Center and
D&D Knowledge Management Hotline
Information Update
July 17, 2009**

3. Strongwell produces a secondary containment system they call the Composolite (photo below). The system can be used for any application requiring secure containment of liquid or solid materials. The system was initially developed in conjunction with American Electric Power and has been widely accepted by many electric utilities. The lightweight, high strength fiberglass containment system is much easier and more cost effective to install than poured-in-place concrete or earthen containment alternatives. The system also can easily be installed in confined or remote areas and easily removed when necessary. For more information about Composolite or other Strongwell products visit http://www.strongwell.com/selected_markets/electrical_substation/.



Contacts

You are invited to visit the Hanford ALARA Center located on the Hanford site in building 2101M in 200 East rooms 220 to 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. Additionally, I would be happy to come to your site to assist with your project's challenges. My contact information is below.

Jeff Hunter (509) 373-0656, Cell (509) 948-5906, jeffrey_l_hunter@rl.gov

Please help me keep the report distribution e-mail address list current by letting me know if you would like to be added or removed from distribution and by keeping me informed if you change your e-mail address.

Other helpful links are:

Hanford ALARA Center Website: www.hanford.gov/rl/?page=974&parent=973

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

SRS ALARA Center website: www.srs.gov/general/programs/alara/alara_center.htm

Department of Energy Hanford Site: <http://www.hanford.gov/>

Virtual Hanford Tour: <http://www.hanford.gov/?page=326&parent=317>

Page 3 of 3