

Hanford ALARA Center and D&D Knowledge Management Hotline Information Update December 3, 2009

ALARA Center Activities and Information

1. Washington Closure Hanford Design and Environmental Engineers from the 618-10 project team toured the ALARA Center. They were interested in glovebags to contain and process burial ground samples, fixatives, cameras, tools, and equipment to support characterization of 618-10 burial ground.
2. The newly revised American National Standards Institute (ANSI) /ASSE Z359.0-2009 “Definitions and Nomenclature Used for Fall Protection and Fall Arrest” voluntary consensus standard was released on November 5th 2009. The ANSI/ASSE Z359 ASC for Fall Arrest/Protection is also working on 10 additional Z359 standards projects aimed at protecting workers from falls. For more information on or to purchase the Z359 Fall Protection Code, version 2.0, visit <https://www.asse.org/cartpage.php?link=z359-v2>.
3. ALARA Center personnel attended a Tank Farms pre-planning meeting to cut and remove SY farm waste transfer piping. The team evaluated several different tools to cut the pipe including Champion blade plunging cutter, Wachs guillotine saw, and CS Unitech pneumatic reciprocating saw with auto feed. Containments and ventilation equipment were also discussed.
4. The CHPRC Solid Waste Retrieval team worked with Intellegation machine shop personnel to design long-reach cutting tools (example photos from mock up are below) 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>.



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5. The Center conducted five Containment Training courses for Washington River Protection Solutions and CH2MHill Plateau Remediation Company employees. The course includes a classroom presentation, a tour of the ALARA Center, hands-on taping exercises, a glovebag building exercise, and a tour of the PFP Plastic Shop to see how containments are made. The goal is to prepare students for all phases of containment work.

D&D Hotline Activities and Information

1. The Decommissioning, Decontamination, and Reutilization section of the American Nuclear Society will be holding their bi-annual four day conference in Idaho Falls, ID starting September 26, 2010. The program will include commercial, government, and international project updates and technology developments in the areas of decommissioning, waste management, site closure and legacy management. For more information about the conference visit http://www.new.ans.org/meetings/m_72 .
2. The new Hilti TE 1500-AVR breaker has been designed to be lightweight and still take on heavy demolition work. The 1500-AVR's active vibration reduction sub-chassis system keeps vibration at a minimum which facilitates smooth, safe handling. The Hilti TE could be a solution for your D&D team. For more information visit http://www.hilti.com/holcom/page/module/home/browse_main.jsf?lang=en&nodeId=-8929.



3. Lawrence Livermore National Laboratory D&D personnel contacted the ALARA Center to benchmark techniques to demolish a burn building with asbestos insulation. They are considering using a BROKK (remote controlled demolition robot) and containment system. We suggested several options regarding containments, tooling, and fixatives. They are in the pre-planning stage and are looking for ideas to evaluate.
4. D&D Personnel from Bettis Atomic Power Laboratory contacted the ALARA Center for ideas on how to remove a large area of vinyl flooring containing asbestos contamination but with a low potential for radiological contamination. We suggested several fixatives and machines that remove asbestos flooring. We also suggested they use the DOE Information Bridge to look for lessons learned on similar projects.

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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.

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

Other helpful links are:

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

D&D Knowledge Management Tool: dndkm.arc.fiu.edu/dndkm/

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

Department of Energy Hanford Site: www.hanford.gov/

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

HAMMER: www.hammertraining.com/

Dade Moeller: <http://www.moellerinc.com/index.php>

Mission Support Alliance: <http://www.msa-hanford.com/>