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SRS ALARA CENTER (AC)
MARCH 2005 ACTIVITY REPORT

The ALARA WORKSHOP is coming 2 to 4-May.
We are still considering papers and presentations describing the significant accomplishments here at SRS.

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

Need information on the SRS ALARA Center or need radiological operation support, visit the website at www.srs.gov/general/enviro/rosc/index.html. The FLUOR Hanford ALARA Center website is available at www.hanford.gov/alara/.

The ALARA Center contacted HAGEMEYER to provide a skid proof, lexan coated step off pad with a rubber backing for use in outside environments. This was a request of the Tank Farm RADCON organization. If the evaluation is successful, it will be assigned a caption item number for availability thru STORES.

Samples of BARLETT POLYMETRIC BARRIER SYSTEM (www.bartlettinc.com) were provided to the Tank Farms. The purpose is to interim fix contaminated soil in low traffic areas.

The ALARA Center provided information to Los Alamos National Labs concerning the FLOWCHECKER AEROSIL 200 POWDER for verifying air flow direction. Previously, over 150 bottles were provided to various SRS RADCON organizations. It has been assigned caption item number 32-16291.00 (MSDS 35876-1) and is available thru STORES
.
The ALARA Center provided D&D with several alternative solutions to removing various lengths of 2 inch diameter, internally contaminated stainless steel pipe. One solution is to use the MEGA TECH BPC-4 with its crimping and cutting action. Another solution is to drill an access hole in the top of the pipe and fill the areas to be cut with expandable foam prior to cutting with port-a-band saw.

The ALARA Center provided D&D with NILFISK vacuum system accessories so work could begin on abrading and removing contaminated concrete in building 723-F.

Solid Waste and the ALARA Center continued to support RADCON efforts to dispose of lead pigs used in beta-gamma sample counting. This consolidation of a waste stream saved time, reduced offsite shipping by multiple generators and reduced disposal costs. In all, 63 of the lead pigs are being reused for their intended purpose and 41 are being disposed of as a cleared from radiological control, lead waste.

Measures to alleviate heat stress during the hot and humid summer months continue to be planned and proactively supported. Personnel from the ALARA Center made numerous presentations and displayed the items listed below. Additionally, Closure Business Unit ordered eliminator vests and cool shirts.
· Jenkins Comfort System Eliminator Vest
· SHAFER ENTERPRISES, LLC Cool Shirt and Poncho
· G/O CORP disposable coveralls
· FRHAM Stay Cool disposable coveralls
· DuPont NUFAB disposable coveralls from HAGEMEYER

NEW VENDOR INFORMATION AND VISITS

Representatives of HAGEMEYER visited the site with various types of industrial safety and radiological safety personal protective equipment.

Representative of SHAFER ENTERPRISES LLC (www.coolshirt.net) visited the site with Cool Shirt Personnel Cooling System demonstration. The Cool Shirt is lighter in weight than most other products. The shirt contains much less liquid, but depends more on tethered cooling capabilities.

ALARA

The ALARA Center continues to support and coordinate ALARA Coordinator Training to ensure facility ALARA Coordinators are trained to perform their job functions.

The revised “Radiological Guide for Planners”, WSRC-IM-99-00001 is out for review. The revision is to consolidate the three existing guides and get back to using the “Radiological Containment Handbook”, WSRC-OS-94-14 as the overall reference.

The ALARA Center personnel continue to support Radiological Containments (QHRG5000) and Glove Bag Installation and Removal classroom training (TRWG5100). Most recently, an example of a containment hut was moved from building 315-M and assembled in building 766-H, room 1023.

Information on engineering controls implemented across the site from the ALARA Center was provided to significant others for the Defense Nuclear Facility Safety Board presentations.

HANFORD

Expandable grout is a proven technology recommended in DOE/EM-0142P, Decommissioning Handbook (copy of which is available here in the ALARA Center). The material is mixed with water and poured into predrilled holes where it is allowed to cure. As it curies, it expands cracking the work piece. Because the compound works against the tensile strength of concrete, this none explosive, vibration free process may be used to crack even reinforced concrete of any size, provided it has a free face to expand. The extent and direction of cracking is controlled by spacing, depth and diameter of the predrilled holes
.
Want to volume reduce 6” schedule 40 pipe, consider the port-a-band and saws-alls sold by CS UNITEC (www.csuntiec.com), cutting machines sold by TRI-TOOL (www.tritool.com), or the guillotine saw sold by WACHS (www.wachsco.com). Look at hinged pipe cutters sold by RIGID (www.ridigd.com), a new SEARS tool with two blades that rotate in opposite directions or use of an abrasive cutting wheel.

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