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**SRS ALARA CENTER (AC)
APRIL 2005 ACTIVITY REPORT**

--- WELCOME TO THE SRS ALARA WORKSHOP ---

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

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

Personnel from the ALARA Center continue to be involved with planned and systemic actions to alleviate heat stress in the upcoming summer work. These included:

- A visit from SHAFER ENTERPRISES LLC (www.coolshirt.net) demonstrating the Cool Shirt Personnel Cooling System. The cool shirt is lighter in weight than most other products. The shirt contains much less liquid, but depends more on tethered cooling capabilities. Cool shirts were provided to Canyon and F Area Tank Farm for evaluation.
- The Personal Protective Advisory Group approving the DuPont NUFAB disposable coveralls for site use. The coveralls are lightweight and water resistant and provided through HAGEMeyer/VALLEN.

The ALARA Center worked with Nuclear Filter Technology (www.nuclearfilter.com) to provide a model 1HF004 HEPA filter for a one inch line in DWPF.

Personnel from the ALARA Center provided assistance to the Tritium Extraction Facility in shielding a Canberra AB4 ARGOS PCM with frisker.

The ALARA Center assisted FB-Line in using the Encapsulation Technology Passive Aerosol Generator (www.fogging.com) to fog the cabinet prior to D&D activities. The DAC hour value in the breathing air zone was only 56. Due to the low airborne radioactivity levels, a flex panel was not used. Personnel in FB-Line were trained and qualified to operate the equipment.

A Nilfisk GM 625 HEPA Vacuum System (www.pa.nilfisk-advance.com) was provided from the ALARA Center to DWPF to collect concrete dust from drilling activities.

The ALARA Center ordered bungee cord and hooks for barricades in the Canyon from G/O CORP (www.gocorp.com).

The ALARA Center provided Liquid Waste of the Closure Business Unit with a summary of information on decontamination agents.

NEW VENDOR INFORMATION AND VISITS

ALARA Center received sample of LP4 fixative from FEVDI Company in France. SRS ALARA WORKSHOP was pleased to have the participation of 24 vendors. The focus of the workshop is education and information based on applied ALARA programs.

ALARA

Building 315-M initially contained the ALARA Center and the Containment Fabrication Facility functions.

Last year the ALARA Center was relocated to building 766-H. This year the CFF is being relocated to building 705-3C with the Respirator Equipment Facility. Though separated, the activities of the ALARA Center and the construction of containments and use of respiratory protection to protect personnel when engineering and administrative controls are not prudent remain irrevocable.

Comments to the "Radiological Guide for Planners", WSRC-IM-99-00001 are being collated. 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. Additionally, the guide was shared with FLUOR HANFORD. The ALARA Center personnel continue to provide evaluator class room training on support Radiological Containments (QHRG5000) and Glove Bag Installation and Removal (TRWG5100).

A tour of the ALARA Center will be provided to RADCON Inspector and First Line Supervisors as a part of 2005 Annual Training. Annual training has been delayed until this summer. The intent is to promote the interaction of ideas and information on innovative ways to reduce occupational exposures and reduce costs.

HANFORD

· INEEL has developed a probe that can be inserted directly into underground waste sites using well drilling equipment and obtain accurate data than is now obtained drilling wells around the perimeter of the waste site. Once the probe is inserted into or under the waste site, a series of instruments can be lowered into the probe tip to collect data. The probe is left in place instead of being removed. For information, contact Richard Jones at 208-526-1454 or e-mail zrl@inel.gov.

· Received positive feedback from INEEL concerning a HOTSYS pressure washer used to decontaminate piping and a radioactive waste tank. The pressure washer is now being used at INEEL on different jobs to provide dust suppression during demolition of contaminated concrete walls. The washer provides sufficient water to control fugitive dust without generating secondary waste water. An extension nozzle allows the worker to stand beyond the impact zone to avoid physical, chemical, and radiation hazards.

· Working with Daryl Anderson of Tri-Tool on a class to craft personnel on pipe cutting using various types of pipe cut-off and beveling machines. The focus of the training will be to teach workers how to use the tools, not to sell Tri-Tool equipment.

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