

SRS ALARA CENTER (AC) NOVEMBER 2005 ACTIVITY REPORT

ASSISTANCE, DEMONSTRATIONS, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at <http://www.srs.gov/general/programs/alara> . The internal SRS ALARA Center website is available in ShRINE by performing a quick search on ALARA or ALARA Center.

The “New” PPE Database describes personal protective and safety equipment available at SRS on the ALARA Program website available in ShRINE by performing a quick search on ALARA or ALARA Program.

The FLOUR Hanford ALARA Center website is available at www.hanford.gov/rl/?page=973&parent=0

RADCON Annual Training for 2005 concluded on November 8, 2005. The training included an overview of the DOE ALARA Centers and a tour of the SRS ALARA Center. A total of 555 RADCON first line managers and technicians attended the training.

The ALARA Center provided Solid Waste Division with a Nilfisk VT-60 (www.pa.nilfisk-advance.com) vacuum system and operator training. The vacuum was used to remove contaminated sand and rust from intermodal containers.

The ALARA Center conducted a heat stress seminar for the E-Area LSIT who is already considering PPE to combat heat stress in 2006.

The ALARA Center provided assistance to Spent Fuels in procuring metal RAD Rope from G/O Corp www.gocorp.com for posting outdoor radiological areas. Rope hooks and magna door mounts were procured for H-Canyon.

The ALARA Center contacted Encapsulation Technology www.fogging.com at the request of Spent Fuels and determined that a fogging solution is being developed to kill mold and mildew but is not available.

The ALARA Center has received disposable and dissoluble coveralls from Unitech Services (www.shopunitech.com) for pilot testing in the tank farms.

The ALARA Center provided DWPF with miscellaneous Nilfisk vacuum system accessories for use with Nilfisk vacuum systems already in the facility. A GM80I was also provided to FBL for use in contaminated areas.

The ALARA Center provided various SRS facilities with an extension tool for conducting transferable contamination surveys rather than using ladders or a scaffold. The tool consists of an 18 foot extension pole with two attachments. One attachment is for holding swipes for large area smears and the other for disc smears.

The ALARA Center recommended Poxy Coat II for fixing contamination on a concrete wall in K-Area. www.poxycoat.com

The ALARA Center contacted Encapsulation Technologies who recommended the short and long wavelength blacklight (part number 09817-20) from Cole Parmer www.coleparmer to detect ETGS Invisible Blue after fogging. This information was forwarded to F-Area Tank Farm.

The ALARA Center recommended that Solid Waste use six 1 ft. by 4 ft. lead blankets to shield the 4 ft. by 6 ft. top of a B-25. The blankets can be attached to the top by using velcro.

The ALARA Center recommended several fixatives to D&D that can be applied to the Beta Gamma Incinerator (BGI) before removal to control contamination. Those recommended include Encapsulation Technology ETGS and/or Capture PermaCoat and Bartlett PBS www.bartlettinc.com

NEW VENDOR INFORMATION AND VISITS

Todd Rockwood with GE Inspections Technology (EVEREST VIT) (www.everestvit.com) visited the ALARA Center and agreed to provide additional remote inspection equipment to the ALARA Center

Ralph Fabian with Desco Manufacturing provided a variety of dust free tools for display in the ALARA Center.

Ty Finley with G/O Corp visited the ALARA Center and was available to site employees to answer questions concerning their products.

Rocky Ventittelli with Novatek Co. visited the ALARA Center and has agreed to provide dust free tools for display in the ALARA Center.

Sam Maggio with International Climbing Machines www.icmachines.com demonstrated their remote-controlled decontamination climbing machine. Held to the surface by vacuum force, the ICM climbing machine adheres to essentially any hard surface: metal, concrete, brick, etc. and can climb walls, ceilings, tanks, etc. The climbing machine is equipped with a mechanical abradar contained within a vacuum shroud connected to a HEPA vacuum system for waste collection

LESSONS LEARNED FROM HANFORD AND OTHERS

Los Alamos ALARA Center forwarded info on an Audio Guard device that can be programmed to provide warning messages to personnel who get within range of the motion detector. See <http://www.rubbermaidcommercialproducts.com/store.cfm?d=3030&c=8986&p=20277&do=detail> It can also have six pre-programmed messages. They intend display this device along with radiation warning signs to demonstrate that personnel could be warned by both a sign and a verbal message before entering restricted spaces.

Los Alamos Several workers have stopped in looking for better drum handling equipment for waste containers being retrieved from the burial sites. Hanford recommended they look at these websites:

<http://downscrane.com/Products/Drum/Drum.htm>

<http://www.morsemfgco.com/>

<http://www.vestilmfg.com/dhequip.html>

http://www.materialflow.com/Drum_Handling_Equipment.htm

<http://www.seiequipment.com/>

<http://www.tseq.com/dhequip.html>

<http://www.easylifteqpt.com/rollhandling.php>

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