

From: Eby, Jerald L

Sent: Friday, September 30, 2005 2:12 PM

Subject: ALARA Center Activities for the Week of September 26, 2005

Attachments: September 2005 Activity Report.pdf

Visit the Hanford ALARA website at a new address: <http://www.hanford.gov/rl/?page=973&parent=0>

Visit the SRS ALARA website at: <http://www.srs.gov/general/programs/alara/> . See attached activity report from SRS.

1. The ALARA Center held a Basic Glove Bag class (020749) for four operators and one supervisor from T-Plant.

2. The Center provided samples of the French fixatives made by FEVDI to K Basin engineer. They will test it on some coupons before deciding whether to purchase. Provided sample of "Tack" Cloth sold by G/O Corp to T Plant supervisor. K Basin has 100 yard rolls of this resin-impregnated cloth in each basin to help control contamination spread. It is used as a "disposable" surface in work areas and to decontaminate tools. The sticky resin captures the contamination before it gets tracked or becomes airborne. See website: www.gocorp.com

3. Forwarded ALARA info to a new ALARA Coordinator at Savannah River. Info includes web addresses for ALARA, a checklist to assess how well his facility is using ALARA, and Websites where he can get info on work practices, tools and equipment.

SRS ALARA Center requested copies of photos taken of the Wach's Guillotine saw, website: www.wachsco.com, by CH2M (Niebuhr). This saw had been purchased with an automatic feed and clamping mechanism so it could be used to cut up highly radioactive components removed from underground tanks. The automatic features of the saw meant that workers didn't have to get close to the components to mount or operate the saw. Feedback from CH2M is that tool worked "awesome" and saved considerable radiation dose. See www.wachsco.com Forwarded photos of the tool to Savannah River.

4. The Center received call from Ground Water Radcon Engineer concerning the value of a Rem at Hanford. Forwarded the current values in use and recommended reading the document at: <http://www.eh.doe.gov/oepa/guidance/aea/alara-v1.pdf>

5. CH2M Closure Group visited the Center, looking for a HEPA filter assembly to vent a controlled system to atmospheric pressure. The Center gave them a 2 CFM poly bottle HEPA filter and a glue on penetration sleeve, and instructed them how to make attachment to the contaminated system, using the sleeve. They also received information from Lancs Industries catalog on the filter properties for CH2M engineering evaluation.

UPDATE: The Center held another meeting with Waste Retrieval RadCon Manager to continue the discussion (noted in the Activity reports for August 29, 2005 and September 6, 2005) on a conceptual closure bag for damaged drums found during retrieval. Operations and the RadCon group have been working on a bag closure design that would fit entirely around a damaged drum to contain the contents while the drum is moved into an overpack drum. The final concept drawing was sent to Lancs Industries and two prototype bags were built and sent to Waste Retrieval for testing by RadCon/Operations. The bags were brought to the Center and fitted around two 55 gallon drums to determine usability. During this exercise, a T-Plant Supervisor and some of his operators were at the Center and were given a chance to look at both bags and make comments. It appears the tooling that T-Plant uses to remove the damaged drum from the overpack and dump the contents could be hindered by the proposed bag, as built. Pictures were taken of two bags installed on the drums and forwarded to Waste Retrieval and T-Plant and further discussion is to take place between the two organization.

FOR YOUR INFORMATION

The Center began negotiations with the excess yard at the West Valley DOE Site to obtain new protective clothing, poly bags, hand tools and other materials that West Valley no longer needs. The Center forwarded a list of "what's available" at West Valley to ALARA personnel of all major Hanford Contractors.

LESSONS LEARNED

1. The Operating Summary Report located <http://www.eh.doe.gov/paa/oesummary/oesummary2005/oe2005-13.pdf> has a lessons learned on Page 7 from an incident that occurred in England. It concerns a pipe break in a reprocessing facility which lead to a major spill of nitric acid dissolver solution containing 20 metric tons of uranium and plutonium. Recommend reading this document.
2. Forwarded lessons learned information to Washington Group ALARA Coordinator who is working on the 618-4 and 618-5 Burial Grounds. See http://www.hanford.gov/cp/gpp/public/workshops/618_4_and_5_Lessons_Learned.pdf

VENDOR CORNER

1. Jeff Taylor, the 3M Es&H Division sales rep will be at the Center, Wednesday, October 5th. Time TBA. Call the Center for further information.
2. Nick Clyma of Everest VIT; the miniature, remote camera and robotics folks will be at the Center October 18 and 19, 2005 from 9:00 to 3:00 both days. Everest VIT has been working heavily with on double wall tank inspections and tank internal inspections.

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