

From: Waggoner, Larry O
Sent: Thursday, October 19, 2006 1:55 PM
Subject: ALARA Center Activities for Week of October 16, 2006

Attachments: Deactivation and Decommissioning of Facilities.doc

Visit our Website at <http://www.hanford.gov/rl/?page=974&parent=973> Work here at the ALARA Center the last two weeks has slowed down. It must be the start of the new fiscal year. Jerry has had his shoulder operated on and won't be back for at least two more weeks. I have used this time to prepare presentations to be given at the Health Physics Society meeting in January in Knoxville, TN and the Waste Management Symposium in Tucson, AZ in February. In addition, I'm back working on a Handbook for Radiological Engineers, a.k.a., ALARA for Dummies. Our plan is to eventually put the handbook on our website so it's available to all.

1. Forwarded a copy of a test report written for Tank Farms on Polyurea Coatings to F. Pasley. The 109 page report compares the chemical compatibility and physical characteristics between the polyurea and the waste located in the underground tanks. You can read this report by getting on the RMIS Records Database and searching for Accession #D8660842. You can also read the document at <http://198.232.211.23/pdwdocs/fsd0001/osti/2001/I0006363.pdf> You can read presentations from the 2003 Waste Management Conference at <http://www.wmsym.org/abstracts/2003/pdfs/528.pdf> and <http://www.wmsym.org/abstracts/2003/pdfs/169.pdf> These papers discuss how polyurea was used to package complex items for shipment and disposal. I have 3 videos on polyurea and one on Line-X polyurethane coating used in pickup truck beds that she will pick up next week. I talked to Rick Largent from Master-Lee Hanford Co. They will be setting up a demonstration of their method of coating complex equipment with shrink wrap and then applying polyurea as soon as their equipment is returned from another DOE Site. This makes a strong-tight container and reduces costs significantly. Call Rick at 943-2949 or look at www.instacote.com
2. Forwarded website info to T. Hogg at HAMMER on the fluorescent powder we use to simulate contamination. See www.lynnpeavey.com Recommended they also purchase the battery-powered blacklight and feather duster to apply the powder as a very thin film. Total cost for a 16 oz container of powder, blacklight, and feather duster is about \$75.00, which is an inexpensive way to enhance your mockup training.
3. Provided comments on SWSD revised temporary shielding procedure. The ALARA Center promotes the attitude that "of all the requirements in the Radcon Manual and other instructions, the ones that need a "higher level of compliance" are the ones that prevent overexposures and prevent contaminating personnel and the environment. Therefore, temporary shielding that is installed over locations that could rapidly expose workers to high doses of radiation needs to have a program that provides assurance that workers are protected. The program needs to tie the "requirements" together.

Larry Waggoner/ Jerry Eby
Fluor Hanford ALARA Center
(509) 376-0818 / 372-8961

HEADS UP! If you have any water-filled containers located outside for shielding radioactive material remember it's going to get colder and you may need to replace part of the water with anti-freeze or change out the shielding. This is also a good time to inspect other temporary shielding installed outside radiological work facilities to ensure it is in good enough condition to survive the winter.

VENDOR SHOWS/PRESENTATIONS

October 23 at the PNNL Environmental Molecular Science Lab on Q Blvd in North Richland. Rooms 1075 and 1077. There will be a vendor showcase from 10:00 to 2:00

October 25 at 4:00 PM a presentation "Hanford - Birth of DOE Cleanup" will be held at the Washington State University Auditorium - East Building. Presentation will be about the past, present and future cleanup activities at Hanford and the effects these activities will have on the public, workers and the environment.

November 6th from 10:00 to 4:00 and November 7th from 8:00 to 3:00. Several vendors will be at HAMMER with booths and product demonstrations.

FOR YOUR INFORMATION

1. The DOE has recently changed a lot of their website addresses that link you to sources of millions of documents.

See http://search.doe.gov/search?output=xml_no_dtd&sort=date%3AD%3AL%3Ad1&ie=UTF-8&client=default_frontend&y=6&oe=UTF-8&proxystylesheet=default_frontend&x=14&q=Information+Bridge

The DOE/EM-0142P Decommissioning Handbook can be found at:

<http://www.eh.doe.gov/techstds/standard/hdbk1132/hdbk113299.pdf> Sections 9 and 10 are very useful to anyone working on decontamination or on using tools to segment, dismantle or demolish nuclear facilities or equipment.

2. We are often asked by personnel outside the D&D organization "what is meant by the term D&D? I have attached a description of DOE's definition of what is D&D and a website link to more info about determining the scope and magnitude of DOE's Nuclear Facility Decommissioning Program.

3. Met with R. Mabry on a new technique being used at Central waste when handling pallets containing four waste drums. The waste drums are round and when rolled into place with other round drums pinch points are present. They have begun wearing gloves that either have short pieces of plastic conduit inside the fingers or larger diameter pieces on the outside of the fingers. If they become pinched, the conduit prevents an injury. Since workers have started using this technique, pinch-point injuries have been significantly reduced. Checked the internet and could find no vendor that markets a glove designed to prevent pinch-point injuries. If anyone knows of special gloves designed for protecting worker's fingers from pinch-points please let us know.