

SRS ALARA CENTER (AC)

Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.

DECEMBER 2009 ACTIVITY REPORT

ASSISTANCE, RESEARCH, AND TOURS

The external SRS ALARA Center website is posted at www.srs.gov/general/programs/alara/alara_center.htm

The internal SRS ALARA Center website is available in ShRINE at the ESH&QA Regulatory and Radiological Technologies web-site. www.srs.gov/general/programs/alara/

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

The D&D Knowledge Management Information Tool (D&D KM-IT) is a web-based knowledge management information tool custom built for the D&D community. The system was developed by Florida International University – Applied Research Center (FIU-ARC) in collaboration with the Department of Energy (DOE EM20), EFCOG, and the ALARA Centers at Hanford and Savannah River. <http://dndkm.arc.fiu.edu/dndkm/>

The ALARA Center ordered H-Area Outside Facilities two buckets (500 ft. per bucket) of Rad Chain, a yellow and magenta metal chain with #2 double loops. Through a patented process, the "EVERLAST" 2-mil ply powder coating that is baked on create a durable and long lasting finish. Rad Chain last longer and thus doesn't have to be replaced as often as the poly chain. <http://www.gocorp.com/product.php?ID=41>

The ALARA Center ordered Waste Management Radiological Protection personnel two hundred posting placard inserts with the words "See Status Board For Levels". The part number is SRV555SSBFL from the Barr Group.

Below is a holder for the five gallon poly bottle used to collect radioactive liquid. The holder was manufactured at the request of Liquid Waste to prevent the bottle from turning over when in use. Please stop by the ALARA Center to evaluate and provide comments.



The ALARA Center was contacted by B&W Atomic Services at the Bettis Atomic Power Laboratory in Pennsylvania inquiring about equipment used to remove vinyl flooring and mastic in a large warehouse. Information about the BigFoot Infrared Vinyl/Mastic Remover Machine which has been successfully used at SRS was provided.

Radiological Protection in F-Area Tank Farm contacted the ALARA Center about availability of a shoulder length glove to protect against incidental liquid splash. Stores caption item number 20-1207.00 was recommended. It is a 34 inch long, clear 1.25 mil thick polyethylene ambidextrous glove.

The ALARA Center was contacted by both L-Area and HB-Line personnel needing to remove paint from a radiologically contaminated stainless steel surface by means other than liquid. There are a variety of tools in the ALARA Center that have dust free shrouds which connect to a HEPA filtered vacuum system to prevent worker exposure to airborne contaminants.

The ALARA Center provided assistance to the H-Area Radiological Protection Department in designing and procuring 10" W by 14" H outdoor posting signs (yellow background with magenta words). The signs will be used to alert workers that a CND is required for entry. The signs are guaranteed for 15 years against fading, chipping, peeling or cracking

The Site ALARA Committee met on 12/14/09. The 2010 SRS Radiation Exposure Goal was set at 142 rem and the Administrative Control Limit (ACL) of 500 mrem for an individual radiological worker remains the same as 2009.

Analytical Laboratory Operations and Maintenance personnel visited the ALARA Center to see the Permacon building in preparation to install one at the Service Floor Filter Room to be used as an airlock.

The ALARA Center ordered the following Minuteman HEPA Vacuum units for Spent Fuels identified radiological work in L-Area.

Part No.	Qty.	Description
• C82904-07	2	Minuteman MicroVac includes HEPA filter and prefilter, disposable Collector bags (10), and tool kit. (< 90 CFM unit)
• 829094	2	Cloth filter bag with frame

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The ALARA Center was contacted by TRU Remediation personnel searching for products to decontaminate a 3 foot wide by 12 foot long stainless steel screen inside an enclosure. It had already been decontaminated to 400 million dpm transferable alpha using RadiacWash. The following products were recommended. Survey results are included if the product was used.

- Decon Gel – contamination levels reduced from 400 million to 80 million dpm alpha after one application
- Contrad 70 – contamination levels reduced from 80 million to 20 million dpm alpha after one application
- RADPRO – a product from Environmental Alternative Solutions, Inc. made specifically for each job

A D&D Work Planner visited the ALARA Center seeking paint to coat the P-Area Transfer Bay concrete floor. The Sherwin Williams Certified Coatings Inspector was contacted and will visit the job-site prior to recommending a product.

TRU Remediation personnel ordered ten pairs of the HexArmor Overglove (HOG) item number 3184 to be worn over glove box gloves to provide workers additional hand protection. www.hexarmor.com/products/detail/hexarmor-overglove-hog-long-cuff/

The ALARA Center provided Radiological Protection TRU Waste Remediation personnel with information concerning the Unitech micro denier CoolTech modesty clothing. www.unitech.ws/literature/CoolTech_Scrubs.pdf

The ALARA Center ordered the following Quest Quantumwear disposable coveralls for TRU Remediation work.

Qty	Part #	Description
2	01166	Q-Gard Quantumwear® COVERALL without hood and booties, size 3XL, 25 PER CASE
3	01167	Q-Gard Quantumwear® COVERALL, without hood and booties, size 4XL, 25 PER CASE
3	01168	Q-Gard Quantumwear® COVERALL, without hood and booties, size 5XL, 25 PER CASE

The ALARA Center is working with D&D to select an anti slip product to be used on trailer drop door ramps in response to a personnel injury. The Vigil anti slip off shore grade with vinyl backing is being considered. This material is also available for steps. www.vigilantislip.com

UPCOMING VENDOR VISITS

Quest Environmental & Safety Products, Inc. 1/12/09, 766-H Room 1002, anytime 9AM – 1 PM

POINTS OF CONTACT

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