

SRS ALARA CENTER (AC)

Engineered Solutions for Radiological, Safety & Industrial Hygiene Applications.

FEBRUARY 2010 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 the following Nilfisk HEPA Vacuum products for Spent Fuels Program. They will be used to provide ventilation for a glovebag. Five pairs of International Biomedical Radiation Attenuating Gloves were also ordered to reduce worker extremity exposure.

Part #	Qty	Description
01790190	1	GM80 GMPJ 110-120V W/O ACCESS
01710440	1	FILTER EXHAUST HEPA
11730410	1	Polyester Microfilter
01720515	1	Inlet Coupler 1.25"
01702425	1	Variable Speed Controller
01745900	4	Gray Hose Cuff 32 mm
81813200	5 meters	Gray Plastic Hose 32 mm

The following web-site link was provided to the Defense Waste Processing Facility. The facility requested information on an inexpensive extended reach tool to reduce worker occupational radiation exposure. http://ezeereachersupply.com/zencart/index.php?main_page=index&cPath=5&zenid=cfaf30d4ca4041a4b0f5f2416e567f98

The ALARA Center ordered H-Area Tank Farms four 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 to create a durable and long lasting finish. The metal Rad Chain lasts 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 provided Site ALARA procedure, charter, and meeting minutes to Savannah River Remediation (SRR) ESH&QA personnel temporarily assigned to the Sellafield United Kingdom nuclear facility. The documents were requested by SRR due to interest in establishing an equivalent ALARA committee at that site.

Personnel from Los Alamos National Labs (LANL) contacted the ALARA Center in an attempt to determine the manufacturer name of a product they had referenced as "clear blue". The product in question was determined to be Encapsulation Technology Glycerin Solution (ETGS) Invisible Blue. <http://www.fogging.com/msds/MSDSETGSBlue.html>

The ALARA Center ordered the following Step-Off Pads for H-Area Tank Farm from G/O Corp.

Product #	Qty	Product Description	
GJ1226	25	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, white background with black print "REMOVE ALL PROTECTIVE CLOTHING BEFORE STEPPING HERE" and two stop signs.	\$

The ALARA Center ordered the following radiological posting inserts for Tritium Radiological Protection personnel from the Barr Group.

Item #	Qty	Part #	Words
1	50	SRV555BLNKFTP	Yellow Blank Insert For Top Pocket

The ALARA Center provided the Liquid Waste Radiological Engineer with information to construct an interlocking shield wall. Individual blocks can be filled with water, sand, or concrete. Available colors are safety white, safety orange, safety yellow, olive, and military tan.

<http://www.discountcrowdcontrol.com/water-filled-interlocking-block-wall.html>



The ALARA Center is providing assistance to H-Area Tank Farm Radiological Protection personnel in the design and procurement of an 8'X8'X8' outdoor containment airlock to attach at the Pump Pit 5&6 Gang Valve House entrance.

The ALARA Center ordered the following Minuteman HEPA Vacuum products for Spent Fuels Program.

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

The ALARA Center provided Solid Waste Radiation Radiological Department (RPD) personnel with information to procure Orex arm gaiters which are made of Orex Deluxe Fabric and cover the arm from the wrist to the elbow.

On 10/2009 the DOE 2008 Annual Report on Occupational Radiation Exposure was issued and can be viewed at <http://www.hss.energy.gov/CSA/Analysis/rem/annual/annual08.htm>. The ALARA activities (section 4) is a great way to publicize your company success stories that saved dose, eliminated contamination spread and protected the environment. <http://www.hss.energy.gov/CSA/analysis/rem/rem/ALARA.cfm>.

The Hanford ALARA Workshop is scheduled for August 3 & 4, 2010, at the Clarion Hotel and Conference Center in Richland, Washington. The goal of this workshop is to promote the increased implementation of new and effective ALARA techniques in today's work environment while increasing attendees' knowledge of the availability of ALARA protective measures. Pre-registration for this event is required no later than June 15, 2010. This workshop will include presentations from many of the Hanford contractors. With attendance anticipated at over 150 people, plus many visitors from the Hanford site, it is our belief that your company will benefit from demonstrating your products or services at our workshop. Interested vendors, presenters, and attendees can contact Owen Berglund @ 509-376-9035 or e-mail Owen_D_Berglund@rl.gov.

AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) SUPPORT

The ALARA Center provided assistance to F-Area Tank Farm ARRA in procuring fifty pair of International Biomedical Radiation Attenuating Gloves. <http://www.int-bio.com/productdetail.php?menuimage=gloves.jpg&productcat=Surgical%20Gloves&productsubcat=Gloves&pn=4>

The ALARA Center provided two Kestrel 1000 Wind Meters to the D&D Radiological Protection Department in F-Area to be used to determine air velocities in accordance with WSRC Manual 5Q1.2 Procedure 496, *Radiological Containments*.

The ALARA Center provided assistance to D&D in the selection of the following HEPA vacuum system products.

Part #	Qty	Description
01790190	2	GM80 GMPJ 110-120V W/O ACCESS
01710440	2	FILTER EXHAUST HEPA
11730410	2	Polyester Microfilter
01720515	4	Inlet Coupler 1.25"
01745900	4	Gray Hose Cuff 32 mm
81813200	160 meters	Gray Plastic Hose 32 mm
81530400	4	32 mm Crevice Tool

UPCOMING VENDOR VISITS

Kimberly-Clark, 3/3/10, 766-H Rm 1022, 8 AM – 11 AM, Safety & Industrial Hygiene Seminar
UCI International, Inc., 3/31/10, 766-H Rm 1002, 9 AM – 12 PM, Ultra Biocid Demonstration
Cold Jet Dry Ice Blasting, 3/4/10, 766-H Rm 2110, 1 PM, question and answer session
Aiken Technical College Radiation Protection Class, ALARA Center Tour, 3/1 & 3/4

POINTS OF CONTACT

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