

SRS INTEGRATED SAFETY SOLUTIONS CENTER (ISSC)
Engineered Solutions for Radiological, Respiratory, Safety & Industrial Hygiene Applications.

MARCH 2012 ACTIVITY REPORT

ASSISTANCE, RESEARCH, AND TOURS

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

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

Visit the Deactivation and Decommissioning Knowledge Management Information Tool (D&D KM-IT) at www.dndkm.org. The D&D KM-IT system has been developed and maintained by the Applied Research Center at Florida International University for the Department of Energy (DOE EM-44). It features the following topics: Hot Line, Lessons Learned, Specialist Directory, Technology, Best Practices, Vendors, Web Crawler, Picture Video Library, and ALARA Reports.

The ISSC provided Savannah River Remediation Saltstone Facility with information to procure one hundred spring loaded mop handles (SLMH-1). They will be used as a tool to conduct large area transferable contamination surveys. One hundred is the minimum order required by the manufacturer.



The ISSC provided the Burial Ground the following Nilfisk HEPA vacuum system to expedite work at Cell 11. Two of these HEPA vacuums have been ordered but are yet to be received on-site.

- GM80I GMPJ 115V HEPA Micro Part number 01790632. Includes: Heavy duty fixed trolley, 32 mm neoprene hose, curved steel tube, (2) straight steel wands, dust brush, crevice nozzle, and wheel floor nozzle

On March 6 and 7 the ISSC hosted the Idaho National Laboratory (INL) Radiological Engineer/ALARA Coordinator. The purpose of the visit was to determine how to establish an ISSC. In addition, the following areas of interest were reviewed: ALARA Program, HBL glove box work practices, H-Canyon work planning, containment and glovebag training, radiological worker and radiological protection inspector mockup training, and the Containment Fabrication Facility.

The ISSC visited The Tritium Facility to evaluate two source storage cabinets in need of shielding to reduce the radiation dose rate. Measurements were taken and information was provided to use Silflex silicon iron non-hazardous shielding. This evaluation was requested in response to deficiencies identified in SRNS-J6000-2011-00032 *Tritium Facilities Low Level Exposure Assessment*, Rev. 1.

On March 7, 2012 the ISSC met with the SRS Health & Safety Industrial Hygienist and Safety Engineer to review health and safety items recently approved for site use. The MSA face shield frame (Stores 21-5.00) will be discontinued November 2012 and will be replaced with a similar metal frame that will not accept a universal fit face shield. Therefore, new face shields will also be available. MSA recently released the V-Gard Face Shield Accessory System. Samples of this new system are on display in the ISSC.

The ISSC provided Savannah River Remediation (SRR) F-Area Tank Farm personnel with information to procure thirty cases of Eastern Technologies white disposable skull caps (part number CS 1511). They are universal fit, tie in the back and 200 per case.

There are approximately ten wall mounted count rate meter stands available to SRS organizations and a need for three floor mounted count rate meter stands. The contact person is Mike Ellis at 557-6159.

CBI Polymers has expanded their line of DeconGel which is an easily peelable environmentally friendly decontamination solution with a broad spectrum of uses. Below are the products and the SRS Material Safety Data Sheet (MSDS) number.

Product #	Description/SRS MSDS#
DeconGel 1101 45789-1	a brush-on gel for heavy nuclear and toxic industrial chemical and material decontamination,
DeconGel 1108	a brush-on gel for extremely heavy nuclear and toxic industrial chemical and material decontamination, 45788-1
DeconGel 1102 45790-1	a brush-on gel optimized for oil and grease decontamination (crude oils, diesel, PCB's, etc) ,
DeconGel 1120	a spray-on version of 1101 formulated and optimized for hand-held light duty sprayers used for hard, smooth surfaces such as glass, steel, polished stone and other smooth hard substrates and is also used for nuclear and chemical decontamination, 45789-2
DeconGel 1121	a spray-on version of 1101 formulated for heavy duty industrial sprayers for horizontal and vertical hard porous and non-porous surfaces such as concrete, pavement, wood, glass, steel, stone, and other hard substrates, and is also used for heavy nuclear and chemical decontamination, 45789-3
DeconGel 1128	a spray-on version of 1108 formulated for extremely heavy duty industrial sprayers for horizontal and vertical hard porous and non-porous surfaces such as concrete, pavement, wood, glass, steel, stone, and other hard substrates, and is also used for heavy nuclear and chemical decontamination, 45788-1

The ISSC was contacted by Area Closure Project (ACP) Radiological Protection Department (RPD) at the N-Area concrete pad heat exchanger location concerning a worker slipping issue wearing single use disposable rubber overshoes. The ISSC suggested store stocked Unitrek rubber overshoes or Tingley Model 1300 rubber overshoes. In addition, the ISSC recommended the use of New Pig Grippy absorbent mat rolls are available in a variety of sizes. www.newpig.com

The ISSC provided Plant Vogtle Electric Power Plant near Waynesboro Georgia with information concerning the Desco Manufacturing Hand Held FX Tool for metal surface profiling. The FX Tool utilizes three interchangeable abrasive heads for a variety of applications. <http://www.descomfg.net/products/hand-held-scarifiers>

The ISSC provided the Savannah River National Laboratory (SRNL) with information concerning the Radiation Protection Systems SP-1000SC Ventilation Unit. The SP-1000 LV (Low Voltage) HEPA filtration unit is a compact, highly portable, industrial quality source of air cleaning. <http://www.rpsct.com/1000CFM-SP-1000LV-FM48/>

The ISSC provided the Saltstone Facility with store stock information to procure Quest Quantumwear white, single use disposable coverall, no hood/boot attached with pigtail for use with the Bullard Dual Cool Cooling Vest. Below are the available sizes and stores caption item numbers. Seven cases were ordered. http://apps.bullard.com/files/RP_DUALCOOLVEST_SALESSHEET_AM_EN_LOW_6088000325.pdf

Size	Stores Item #
XL	32-25562.00
2XL	32-25563.00
3XL	32-25564.00
4XL	32-25565.00
5XL	32-25566.00
hood	32-24757.00
boot	32-4758.00

The ISSC ordered three G/O Corp 18 inch Tack Roll Refills (part number GJ1027, 40 sheets per roll) for RPD in the Burial Ground. http://gocorp.com/catalog/index.php?main_page=advanced_search_result&search_in_description=1&keyword=gj1027

The ISSC met with an SRNS and SRR Industrial Hygienist and representatives from Quest Environmental & Safety Products to review chemical permeation resistance and penetration test data for the prototype Quantumwear "C" white disposable coverall with attached hood and boots with bound and taped seams for chemical protection. Quest will determine if data are available for formic acid exposure and a longer average normalized breakthrough time for Nitric Acid (70%).

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