

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

JULY 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 Savannah River Nuclear Solutions (SRNS) Environment, Safety, Security, & Health (ESSH) Radiological Protection Department (RPD). http://www.srs.gov/general/programs/alara/alara_center.htm

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 is 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 a sample of the Ergodyne Chill-Its 8935CT Evaporative Class Headwear Hi-Viz Ranger Hat to E-Area to combat heat stress by cooling the head through evaporation. A total of 150 hats were ordered.

<http://www.ergodyne.com/products/pages/default.aspx?PCA=14&PRD=537>

The following items have been store stocked in the SRNS eProcurement system.

- G/O Corp radiological barricade “rad chain” which utilizes #2 double loop chain with a patented process, EVERLAST, 2-mil poly powder coating based on to create a durable and long lasting finish. Two feet yellow and two feet magenta alternating colors. Caption item number S74-14.00.
- Ester urethane clear chemical resistant tubing 3/16”IDx5/16”ODx1/16” wall, 100 feet per roll for Industrial Hygiene to use with instruments as sample transport tubing. Caption item number I34-34.00.

On 7/25/12 the Integrated Safety Solutions Center (ISSC) sponsored a demonstration of nine remote visual inspection products by Advance Inspection Technologies (AIT). Thirty employees from Savannah River Nuclear Solutions (SRNS) and Savannah River Remediation (SRR) attended the demonstration. In the photo below, Sean Alexander from AIT demonstrates features of the MiniCam Duo Pipe Camera system to SRR H-Area Tank Farm employees Roger Robbins (left) and Patrick Gibbons (right).



On 7/10/12 the Integrated Safety Solutions Center (ISSC) sponsored a demonstration of the CBI Polymers peelable decontamination product called DeconGel. The demonstration consisted of a powerpoint overview of the product that included use of the product in Fukushima Japan. DeconGel was also applied to tile and concrete samples now on display in the ISSC. Approximately twenty-five employees from SRNS and SRR attended the demonstration. www.decongel.com

The ISSC provided L-Area Operations with information to purchase the following items.

- Twelve pair Bolle Atom safety goggles (stores C14-3.00)
- Twelve pair Bolle DUO safety goggles (stores C14-2.00)

- Twelve pair of Rx frame inserts for Bolle Atom safety goggles

The ISSC provided SRR Safety & Health (S&H) at H-Area Tank Farm with a total of eight Kestrel Anemometers. SRS Manual 5Q1.2, Procedure 496, *Radiological Containments*, states that the Kestrel 1000 is the preferred vane anemometer for site Radiological Control use and is available from the ISSC. The Kestrel 1000 calibration is good for two years from the date it is placed into service. Because of low cost they are discarded after two years rather than maintaining a calibration program. The ISSC labels each Kestrel 1000 with a calibration expiration label at the time of issuance.

The ISSC ordered the following Minuteman HEPA vacuum system for L-Area Operations

Item	Qty.	Part No.	Description
1	1	C82915-05	Minuteman X829 Vacuum, includes ULPA filter, pre-filter, filter protector, cloth filter, and disposable bag
2	1	490022-1	20C Tool Kit, Dry

The ISSC designed and ordered the following contamination control product from G/O Corp for the Radiological Protection Department (RPD) in E-Area.

Qty	Product #	Product Description
5	GJ1273	Step-Off Pad, 140 mil rubber nitrile 20" X 30", non-skid surface on both sides, yellow background with magenta print "COMPLY WITH RCO INSTRUCTIONS PRIOR TO STEPPING HERE" and two stop signs.

The ISSC met with Industrial Hygiene in E-Area to present cooling vest for potential use to combat heat stress. The following items were ordered after successful evaluation. F-Area TRU ordered cooling vest last month and ordered an additional seven vest and unipaks.

- Twelve Pro Cool Vest 55 Degree
- Ten Pro Vest 55 Degree Unipaks (2 per pack)

The ISSC designed and ordered the following contamination control product from G/O Corp for the RPD in E-Area. <http://www.gocorp.com/catalog/files/Omega%20Plus%20HEPA%20Vacuum-1.pdf>

Item #	Qty	Product #	Description
1	5	GH1354-N	Omega Plus HEPA Vacuum with 6 ft. hose and tool kit
2	15	Gh1348-N	Omega Plus HEPA Filter (1 gal. capacity)

The Personal Protective Equipment Oversight Committee (PPEOC) at the request of the Savannah River National Laboratory (SRNL) approved use of the white disposable ValuMax Extra-Safe Lab Coat (product number 3660 WHS size small). Disposable lab coats currently approved for use at SRS are not available in small sizes. This specific application is for non-radiological use.

The ISSC provided the following Nilfisk HEPA system to SRNL to expedite cleanup of small pieces of contaminated plastic and tarp material. http://www.nilfiskcfm.com/IndustrialVacuums/VT_60_Wet_Dry_Vacuum_Cleaner/88

Item #	Qty	Product #	Description
1	1	01799500	VT-60 Wet/Dry Vacuum (includes microfilter and trolley assembly)
2	1	01727631	HEPA filter cartridge
3	1	01782950	Inlet coupler w/metal tube for VT line
4	7	01716200	1.5" antistatic black plastic hose (7 meters)
5	2	01716300	Antistatic cuff
6	1	10944000	Curved steel wand with ball joint removed
7	1	01719100	Polyliner bags (25/pack)
8	2	11027200	23" straight steel wand
9	1	1408248040	Eliminator VT60 Universal nozzle
10	1	1408258000	Eliminator VT60 crevice tool
11	1	0107031000	38 mm adjustable round brush

UPCOMING VENDOR VISITS

River Technologies LLC, Norclean HEPA Vacuum Demo, 8/7/12, 766-H Room 1040, anytime 9 AM - 1 PM

INTEGRATED SAFETY SOLUTIONS CENTER POINTS OF CONTACT

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