



Hanford ALARA Center and D&D Knowledge Management Hotline Information Update November 18, 2010



ALARA Center Activities and Information

1. This is a reminder that nominations for the annual Columbia Chapter of the Health Physics Society (CCHPS) awards are due November 24, 2010. There are three CCHPS awards that radiological professionals are especially interested in: Radiation Safety Technologist of the Year, Health Physicist of the Year, and the Operational Health Physicist of the Year. Contact Greg Gibbons at gregory.gibbons@pnl.gov or 371-7103 if you would like more information about the submittal process. You can also send your nomination package to Jeff Hunter at the ALARA Center.
2. Representatives from Mine Safety Appliances' (MSA) management, engineering, and sales team met with the Hanford Site Respiratory Committee in the ALARA Center to discuss several recent product improvements. Some of the topics discussed were a modification of the OptimAir TL Hood to the external back of the hood, the T-bar adaptor for the Ultra Elite tight fitting respirator and the battery engagement-disengagement tool for the OptimAir TL. For more information about the meeting or about MSA products, contact Paul Steiger at 509-939-1113 or paul.steiger@msanet.com.
3. The Avacen Grip (photo below) is a device developed to help people maintain their ideal core body temperature when working in extreme heat or cold conditions. Avacen uses a small vacuum to pull blood into the complex vascular structures (called AVAs) and keeps the AVAs open at the skin surface. Warm or cold temperature is applied to these open AVAs and then that warming or cooling is distributed by the heart to the core organs and muscles throughout the body. To view an example video of how the Avacen Grip works go to <http://www.avacen.com/avacen/action?do=overview&topic=quick>. For more information about the Grip contact Mark Dieterle at 1-800-878-4872.





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by our customers' success

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4. Now is the time to start thinking about how to prevent slip accidents due to ice on walkways. Slip accidents are preventable. There are many approaches; using HeatTraks (photo below) is one way to prevent slips. HeatTraks are heated outdoor safety mats that prevent snow and ice accumulation on walkways and stairs by melting snow on contact. The mats plug into any standard 120V or 240V outlet generating heat to melt snow at a rate of 2" per hour. Mats are built with non-slip, UV protected rubber, and are designed to be left outside for the entire winter season. Visit www.heattrak.com to learn more about the complete line of HeatTrak's products.



D&D Hotline Activities and Information

1. Atlas Inspection Technologies, experts in Remote Visual Inspection Solutions, will be in the ALARA Center on December 8th from 12:00 pm to 2:00 pm to demonstrate their videoscope, push-camera, XRF analyzer (Positive Material Identification), and other inspection products. Atlas recently developed a system of PTZ cameras on a custom boom and clam shell attachment designed and built by Jewell Attachments. This system will assist in creating a safer work environment for contractors and more efficient remediation of hazardous waste. To see a short video overview of this project click on the link: [PTZ Excavator Installation](#). For more information contact Atlas at 800.281.0650 or visit their website at www.atlas-inspection.com
2. CS Unitec grinding and cut-off discs are made with a special diamond abrasive for grinding and cutting metal. They produce approximately 1% of the sparks of resin type cut-off discs and grinding wheels. The benefits for the nuclear industry are long tool life and spark reduction. Since sparking is greatly reduced, the CS Unitec discs might be allowed in situations where typical grinding and cut-off discs would not be allowed. One disc lasts a minimum of 100 times longer than comparable resin abrasive discs. That reduces the waste created by the unused part of the discs. CS Unitec discs can cut steel, stainless steel and other hard alloys. For more information about CS Unitec products visit <http://www.csunitec.com/>.



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- Air Systems visited the ALARA Center to demonstrate their new Air-Light portable lighting system (photo below). The system operates on a battery but has the ability to switch over to AC power or DC power from a vehicle. Air-Light has a telescoping light pole and was built to withstand the rugged conditions encountered in both field remediation and D&D. For specific product details visit Air Systems' website at www.airsystems.com.



Contact Information

We invite you to visit the Hanford ALARA Center located on the Hanford Site in Building 2101M in 200 East, Rooms 220 to 226. The Center's focus is on supporting your project's safety, radiological engineering, ALARA, and D&D challenges. You also can send your questions, comments, and lessons learned to me via e-mail or contact me by phone. Additionally, I would be happy to come to your site to assist with your project's challenges. My contact information is below.

Jeff Hunter: (509) 373-0656, Cell (509) 308-5627, jeffrey_1_hunter@rl.gov

Please help me keep the report distribution current by letting me know if you would like to be added or removed from distribution and by letting me know when you change your e-mail address.

Other helpful links are:

Hanford ALARA Center: www.hanford.gov/rl/?page=974&parent=973

D&D Knowledge Management Tool: dndkm.arc.fiu.edu/dndkm/

SRS ALARA Center: www.srs.gov/general/programs/alara/alara_center.htm

Department of Energy Hanford Site: www.hanford.gov/

Virtual Hanford Tour: www.hanford.gov/?page=326&parent=317

Dade Moeller: <http://www.moellerinc.com/index.php>

Mission Support Alliance: <http://www.msa-hanford.com/>