

**Hanford ALARA Center and
D&D Knowledge Management Hotline
Information Update
June 5, 2009**

ALARA Center Activities and Information

1. The Plateau Remediation Company Solid Waste Processing Group is looking for an Encapsulation Technology passive aerosol generator (PAG). If you have an unwanted PAG, please contact Jerry Eby at 509-372-8961.
2. ALARA Center personnel attended GE Inspection Technologies XL Go video borescope demonstration at Solid Waste Processing. Solid Waste is evaluating the borescope to determine if the scope could take photos and video of waste containers in the field. Remote visual inspection with the new XL Go video borescope will result in improved personnel safety and better retrieval strategies. No cords or boxes make this a desirable portable package. For more information about the XL Go video borescope visit <http://www.geinspectiontechnologies.com/en/products/rvi/vp/xlgo/index.html>.
3. PNNL contacted the Center for information about ALARA 1146 strippable paint for an upcoming decontamination campaign. I provided them with the information, the ALARA Center Fixative List and two five gallon containers of ALARA 1146 for testing. Please contact the ALARA Center if you would like fixative information or assistance with your facility's next decontamination effort.
4. Southern Company's nuclear facility Vogtle Electric Generating Plant is using Q-Track (photo below), a location aware radiation monitoring system, to help train plant workers in a realistic setting. A recent article in Radio Frequency Identification Journal details how Q-Track was used and the benefits achieved at Vogtle. The article can be viewed at <http://www.rfidjournal.com/article/view/4887>. For more information about Q-Track visit <http://www.q-track.com>.



5. Industrial Hygiene News offers a free E-News letter that focuses on different topics each month that could help improve your Industrial Hygiene program. June's focus is "HazMat Handling" and July will focus on "Air Sampling". Visit <http://www.rimbach.com/rimpub/IHN/IHN.htm> if you are interested in subscribing to this service.

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6. I met with Tim Taylor, audio-video systems consultant for R. Brooks Associates, to discuss high temperature radiation tolerant camera systems. Brooks specializes in developing custom systems for the nuclear industry that integrate audio, visual and radiation monitoring equipment into one system controlled from one location. For more information about Brooks visit <http://www.rbrooks.com/> or contact Tim at attaylor@rbrooks.com.

D&D Hotline Activities and Information

1. The D&D Knowledge Management Information Tool (D&D KM-IT) Lesson Learned Module has been successfully completed and deployed on the test system and is ready for DOE's review. Once approved by DOE, it will be deployed on the D&D KM-IT for the user community.

Some of the Lessons Learned system features are as follows:

- Users can search through the published lessons learned documents based on all categories of D&D or an individual category like dismantlement, characterization, etc.
- A search can be refined by using a search string in combination with the D&D category.
- Users can upload the lessons learned documents after reading the terms and conditions.

Visit the D&D KM-IT at <http://dndkm.arc.fiu.edu/dndkm/> to learn more about the site.

2. CHPRC K-Basin D&D contacted the ALARA Center for information about fall protection companies. I suggested they look at guardrail systems (photo below) along with the standard lifeline suppliers. BlueWater Manufacturing specializes in solving fall protection issues using guardrail systems that can be temporary and portable, or permanently installed. Guardrail systems provide a strong physical barrier to protect against falls and provide an excellent visual reminder of the hazard. For more information about Blue Water fall protection systems visit <http://www.bluewater-mfg.com>.



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3. Is your D&D Project working in a potentially explosive atmosphere, wet environment, or in a cold dark and dry facility? If so, the Wolf Airturbo lamp might be a lighting solution that could help. The Airturbo light was originally used in the coal mining industry to meet the rigorous requirements of underground explosion proof requirements. Common applications are for tank cleaning and pipeline inspections. The lamp offers a safer alternative to low voltage lighting in wet conditions or in flammable gas areas. Once connected to a suitable air supply, continuous output of high quality general illumination is produced, even under water. Visit <http://www.wolf-safety.co.uk/airlamps/airturbo/> if air powered lighting could benefit your D&D Project.

Contacts

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

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

Other helpful links are:

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

D&D Knowledge Management Tool Website: <http://dndkm.arc.fiu.edu/dndkm/>

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

Department of Energy Hanford Site: <http://www.hanford.gov/>

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