



DEMIL DISPATCH

BGAD Project

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DWM Participates in Annual Madison County Safety Day

By: Bill Buchanan

On May 12, the Division of Waste Management (DWM) inspector assigned to the Blue Grass Army Depot, Bill Buchanan Jr., attended the Madison County Safety Day event at the Madison County Fairgrounds. The event is centered on home and work safety, particularly, safety at the Blue Grass Army Depot. The annual event is designed to educate the citizens of Madison County and surrounding areas about

where they live in relation to the depot; what response zone they live in; and what safety equipment is available to county, state and federal agencies. This was the third consecutive year that DWM has participated in this public education event.

The EnviroScope model was demonstrated for the first time this year. The EnviroScope is a scaled-down model of a small city, including a railroad, a highway, industrial areas, residential areas, landfills, a stream and a pond. The demonstration depicts how our groundwater can become contaminated by various substances and/or hazardous materials that occasionally get spilled onto the ground.

Several items were used to simulate spills, including Kool-Aid, coffee, Alka-Seltzer tablets, etc. There was a spray bottle used to simulate a rainstorm. Pump sprayers were used to simulate monitoring wells in the groundwater that would pump out contaminated water once it drained through the pond into the groundwater.

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DWM's EnviroScope model was a huge hit with children during the annual Madison County Safety Day held on May 12 at the county's fairgrounds. BGAD Inspector Bill Buchanan demonstrated environmental disasters and their cleanup. Pictured is an example of an oil spill in a lake using coffee and Alka-Seltzer tablets.

Permit Modification to Include NFAs on Five SWMUs

By: Shannon Powers

The Kentucky Environmental and Public Protection Cabinet's Division of Waste Management has tentatively decided to grant the Blue Grass Army Depot (BGAD), a hazardous waste storage facility, a permit modification to include "No Further Action" (NFA) status for five additional solid waste management units (SWMUs), which were identified in a Resource Conservation and Recovery Act (RCRA) Facility Investigation. The SWMUs

include: SWMU 2—mustard trenches, SWMU 3—pink water pond, SWMU 6A—former projectile/propellant burn area, SWMU 12—DEAC metal scrap metal storage area, and SWMU 29—old washout lagoons area.

At the request of BGAD, the division completed a separate review of the analytical results obtained from the sampling and

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The Division of Waste Management's booth at the Madison County Safety Day was well-received. Over 75 children witnessed the process of environmental spills and cleanup courtesy of the EnviroScope model.



On May 31, BGAD Inspector Bill Buchanan collects water samples from the Blue Grass Chemical Activity. These samples will be shipped to the Kentucky Division of Environmental Services for analysis.

Permit Modification

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chemical analysis conducted.

The contaminants of concern (COCs) at each of the SWMUs included metals and explosives. At SWMU 2—mustard trenches, screening for an additional COC, thiodiglycol, a hydrolysis by-

product of H-Mustard, was conducted. In each case, it was found that the analytical results were below division screening limits.

Comments from the public on this tentative approval were accepted until June 13.

Re-palletizing and Re-warehousing Storage Work Plan Annual Review

By: Shannon Powers

The Kentucky Environmental and Public Protection Cabinet, Division of Waste Management, received a Chemical Munitions Storage Management Work Plan from the Blue Grass Army Depot (BGAD) to ensure the safe storage of munitions and containers holding chemical warfare nerve agents GB (Sarin) and VX and the blister agent H (Mustard).

This work plan, effective for one year, is essentially a renewal of a work plan approved by the cabinet on July 1, 2006. The original work plan expires on June 30, 2007.

Periodically, the moving and restacking of pallets holding chemical munitions is required in order to maintain compliance with the state Resource Conservation and Recovery Act (RCRA) regulations, Department of Defense guidelines and the accomplishment of risk reduction initiatives. This work plan outlines manual or mechanical handling, upkeep and general housekeeping functions that will be performed. The individual operations will be restricted to the igloo interior.

The work plan covers re-palletizing and re-warehousing activities. Re-palletizing is removing munitions from an old pallet to a new pallet. Re-warehousing is relocating,

adjusting, and/or restacking pallets within an igloo. Examples of typical maintenance include: re-warehousing a leaning stack of palletized munitions so it is not touching the igloo wall, adjusting a stack of chemical munitions to ensure stability and appropriate spacing, and moving pallets to address moisture problems in igloos. Operational steps include notifying state and Madison County emergency management agencies of activities on a given day.

A public notice on the work plan was placed in local newspapers and documentation was placed in local libraries on May 27. The public comment period ended on June 27.

Safety Day

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Three demonstrations were performed and several kids watched and asked questions. The model was such a success, Madison County Emergency Management Agency asked that it be used in future safety days and at other events where children are the focus.

DWM appreciates the opportunity to shed some light on environmental issues that affect all of us and looks forward to next year.



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BGAD Project Team Personnel News

—Chris Hettinger, the BGAD Project Team geologist, has left state government and is working on the federal level with the

Kentucky National Guard in the environmental field.

—BGAD Project Team Leader Eric Ringo earned his

Professional Engineer license in June.

—David Remley, who will be filling in as BGAD Project

Team geologist until another candidate is hired, earned his Professional Geologist license in May.