



PADUCAH GASEOUS DIFFUSION PLANT CITIZENS ADVISORY BOARD

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Groundwater

Subcommittee Meeting Summary

April 15, 2010 • 6:00 p.m.

Subcommittee Members Present: Maggie Morgan, Chair; Dianne O'Brien; David Franklin; Ralph Young

CAB Members Present: Judy Clayton; Robert Coleman; Ronnie Rathman

DOE Representatives: Buz Smith

DOE Employees, Contractors and Regulators: Craig Jones; Rich Bonczek; Gaye Brewer; Suzanne Clinton; Bruce Gardner; Tim Kreher; Ed Winner; Leo Williamson

Maggie Morgan called the meeting to order at 6:00 p.m.

1. CAB Member volunteers to participate in Eco-Fair May 11 & 12 (13 & 14 in case of rain-out)
 - Tim Kreher, KY Dept. of Fish and Wildlife Resources reported plans for the Eco-Fair continue with CAB members David Franklin and Robert Coleman participating in the planning process. The event will be held May 11th and 12th at the wildlife management area and a total of 300-325 6th graders are expected to attend. A circuit of 9 stops will be set up with demonstrations that will be both educational and entertaining. Kreher asked for CAB volunteers to participate the day of the event, input and assistance with an event logo, and said there was a need for tents. Planned giveaways to the kids include a stadium seat and water bottle with sponsor logos.
 - Buz Smith stated it will be important for a CAB member to greet children as they exit the buses and welcome them to the event.
 - CAB members Mark Sullivan, Ralph Young, and Maggie Morgan volunteered to participate at the event. Judy Clayton said she would be available only on the rain-out dates.
 - Ronnie Rathman offered a 10' x 10' easy-up tent for use at the event.
 - Maggie Morgan expressed an interest in having a CAB sponsored stop on the demonstration circuit.
2. Craig Jones, PRS, gave a presentation: Surface Water Operable Unit RI/FS Scoping. All presentations are available at the CAB website: <http://www.pgdpcab.org/>
 - Two Actions
 - On-site Hot Spot Removal (now underway)
 - Off-site Remedial (in scoping)
 - Off-site Action Remedial Investigation Scope
 - 16 Solid Waste Management Units (SWMUs) including
 - Bayou and Little Bayou creeks
 - Rubble piles, dams, and rubble used for bank stabilization in creeks
 - Miscellaneous SWMUs (including a former monitoring station on Bayou Creek, Horseshoe Lagoon, and portion of Yellow Water line associated with the former Kentucky Ordnance Works)
 - Site wide baseline ecological risk assessment

- Purpose of Scoping is to reach an understanding of sampling necessary to assess risks to human and ecological receptors and determine appropriate action
- Scoping meetings → Work Plan development
- Scoping Team includes representatives from
 - US Environmental Protection Agency
 - Commonwealth of Kentucky (Division of Waste Management and Radiation Health Branch)
 - US and Kentucky fish and Wildlife Services
 - West Kentucky Wildlife Management Area
 - DOE and subcontractors
- Develop scoping summaries for each SWMU (what do we know about each SWMU already?)
 - Group SWMUs into SWMU types so that a common approach is developed for each type (i.e., creek SWMU, rubble pile SWMU, etc.)
 - Develop a desired end state of each SWMU type (who/what are we trying to protect and to what extent?)
 - Develop conceptual site models for the various SWMU types (who/what is affected and how?)
 - Develop investigation approaches for each SWMU type to develop data that answers the above questions.
 - Develop Sampling and Analysis Plans (SAPs) for each SWMU
 - What data do we already have that can help us get answers more quickly or will supplement new data?
 - What media need to be sampled?
 - What types of samples do we need? (i.e., discrete or composite? Random or biased?)
 - How many samples do we need? (for both nature of contamination and extent)
 - What information might result in a decision for an early action?
 - What do we need to analyze for (chemical/physical properties) and what are the appropriate analytical methods?
 - A site wide ecological risk assessment was assigned into the Surface Water Off-Site scope per FFA managers.
 - Scoping team formed an ecological working group to develop sampling requirements to assess off-site comprehensive site wide ecological risks.
 - Physical area of assessment is not limited to individual SWMUs but encompasses habitat for ecological receptors that might come into contact with soil, sediment, and surface water affected by PGDP activities.
 - Ecological working group discussions conducted beginning in December 2009-ongoing.
 - Scoping team meetings started October 2009-ongoing
 - Scoping team determined no formal scoping document required to be submitted by DOE to regulatory agencies preferring to have a more open and continuous dialogue to ensure constructive progress; agreements reached during scoping process are being documented.
 - Work Plan scheduled for April 2011
- Smith asked the subcommittee if they felt the presentation was adequate. Maggie Morgan said she thought the presentation was good in terms of level of information and said she is interested in receiving more information.