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**SUBJECT:** Documentation of Agency Consensus on Waste Area Group 10, OU 10-08  
Groundwater Modeling Objectives and Transmittal of Meeting Presentation  
Materials -- (EM-ER-04-167)

Dear Mr. Faulk and Mr. Winter:

The Waste Area Group 10, OU 10-08 groundwater modeling summit was held in Idaho Falls on June 16, 2004. The purpose of the meeting was to present the current status of the WAG 10 Groundwater Modeling Work Plan, to reach consensus on the groundwater modeling objectives, and to develop a list of issues to be considered during development of the Work Plan.

During the meeting, the agencies discussed the modeling approach and reached consensus on the following groundwater modeling objectives statement:

**“Develop a site-wide flow and transport model of the active flow portion of the Snake River Plain Aquifer that can be used to evaluate OU 10-08 remedial action alternatives and to ensure all remedies remain protective of the aquifer by providing credible estimates of contaminant concentrations over relevant future time frames from sources at the INEEL.”**

The agencies also reached consensus on the following list of modeling issues that will be addressed in the development of the modeling work plan and in the modeling itself.

- Influence of system uncertainties,
- Integration and consistency with other WAG models,
- Identification of calibration targets—performing multi-objective calibration,

- The ability of the model to adapt to and accommodate advances in knowledge,
- Conveying information from the model to the public, management, and the agencies,
- Identifying, prioritizing, and filling data gaps,
- Identifying receptors and risk scenarios, and
- Identifying criteria for success both in technical credibility and stakeholder acceptance of results.

Enclosed are hard copies and CD ROMs of all presentation given at the meeting. Please contact me at (208) 526-6442 with any questions.

Sincerely,



R. Mark Shaw, Waste Area Group Manager  
Environmental Restoration Program

Enclosures

cc: Dennis Faulk, EPA Region 10, 712 Swift Blvd., Suite 5, Richland, WA 99352  
Gerry Winter, Idaho DEQ, 1410 North Hilton, Boise, Idaho 83706-1255