



Department of Energy
Washington, DC 20585

February 16, 2016

WM-00073

To Distribution

Subject: Draft Groundwater Flow Model for the Tuba City, Arizona, Disposal Site

Enclosed for your review is the *Draft Groundwater Flow Model for the Tuba City, Arizona, Disposal Site*, February 2016. This draft report incorporates revisions based on review comments received from the U.S. Department of Energy Office of Legacy Management (DOE-LM) and the U.S. Geological Survey and input following multiple review sessions convened with the DOE-LM to refine the key findings of the modeling process.

The groundwater flow model was developed using advanced numerical techniques to evaluate groundwater flow rate, quantity, and flow paths in the portion of the Navajo Sandstone aquifer that is affected by the legacy contaminant plume at the DOE-LM Tuba City site. The flow model was also used to evaluate multiple groundwater remediation scenarios.

The model development and simulation effort described in this report resulted in a substantial improvement in the understanding of the groundwater flow system at the site. The model provides a state of the art technical tool that can be used to assist in the remedial action decision making process for the site.

In anticipation of the upcoming quarterly and technical exchange meetings, February 17 and 18, 2016, it will be helpful that you are familiar with the subject report. We can then discuss your role in the review process in greater detail.

Please call me at (970) 248-6073 if you have any questions. Please address any correspondence to:

U.S. Department of Energy
Office of Legacy Management
2597 Legacy Way
Grand Junction, CO 81503

Sincerely,

Richard P. Bush
Site Manager

Enclosure

NM5520



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