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U.S. Nuclear Regulatory Commission
ATTN: Mr. Michael J. Fuller
Division of Waste Management and Environmental Protection
Two White Flint North
11545 Rockville Pike
Mail Stop T7-J8
Washington, DC 20555

Subject: Software Validation Test Plan and Report for GeoStudio™ VADOSE/W® 2007
Version 7.11 [Intermediate Milestone (IM) IM 14003.01.007.230]

Dear Mr. Fuller:

This letter transmits the subject deliverable, fulfilling IM 14003.01.007.230.

This report provides the software validation test plan and report documenting software validation activities for GeoStudio™ VADOSE/W® 2007 Version 7.11, a two-dimensional, simultaneous coupled heat transport and fluid flow finite element model for vadose zone processes that rigorously couples soil hydraulic behavior with atmospheric forcing or climate conditions. VADOSE/W was primarily developed to assist in the design of engineered, geotechnical systems, including engineered soil cover systems.

Please do not hesitate to contact me (210.522.6260) or Dr. Cynthia Dinwiddie (210.522.6085) with any questions about the subject report or software.

Sincerely,



Ali Simpkins
Assistant Director
Environmental Science and
Environmental Engineering

GW/AS/Is
enclosure

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