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ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Ms. Cynthia Barr  
Division of Waste Management and Environmental Protection  
Two White Flint North  
11555 Rockville Pike  
Washington, DC 20852

Subject: Programmatic Review of Intermediate Milestone Journal Manuscript (14003.01.006.200)

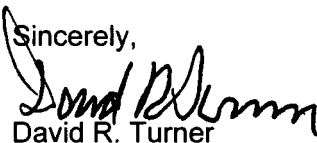
Dear Ms. Barr

The enclosed draft manuscript is being transmitted for U.S. Nuclear Regulatory Commission (NRC) programmatic review. NRC Form 390A and the checklist are also enclosed. It will be submitted for publication in the Health Physics Journal. The title of the manuscript is

Description of a Probabilistic, Time-Dependent Biosphere Dose Model  
by A. A. Simpkins, L.D. Howard, P.A. LaPlante, J.W. Mancillas, O. Pensado, and A. Turner Gray

The article presents development of a stochastic exposure model for waste incidental to reprocessing and non-high-level waste consultations. Inputs, scenarios, pathways, and sample output are discussed.

The intermediate milestone date for submittal to the journal is the end of February. We would appreciate the results of your programmatic review by February 8, 2008, to allow us sufficient time to resolve any comments before submittal to the journal. If you have any questions regarding this article, please contact Ali Simpkins at (210) 522-6260 or me at (210) 522-2139. Your cooperation in this matter is appreciated.

Sincerely,  
  
David R. Turner  
Assistant Director  
Environmental Science and  
Environmental Engineering

DRT:ls  
enc.

cc

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