

NOTE TO: Jack Davis, Deputy Director  
Technical Review Directorate (TRD)  
Division of High Level Waste Repository Safety (HLWRS)  
Nuclear Material Safety and Safeguards (NMSS)

FROM: Christopher Markley, Project Manager for the Beta Flexible Total System  
Performance Assessment Code ( $\beta$ FTPA), TRD, HLWRS, NMSS

SUBJECT: REVIEW AND AUTHORIZATION OF PAPER " $\beta$ -SOAR: A FLEXIBLE TOOL  
FOR ANALYZING DISPOSAL OF NUCLEAR WASTE"

Ticket No.: NRC Product

The NRC staff has developed a paper titled " $\beta$ -SOAR: A Flexible Tool for Analyzing Disposal of Nuclear Waste" (attached) to be submitted for publication in the program of the 13<sup>th</sup> International High-level Radioactive Waste Management Conference (IHLRWMC), Albuquerque, New Mexico, April 10-14, 2011. I have reviewed the paper and found it to be acceptable and not involving policy issues. In accordance with Management Directive 3.9, please review the paper and if you agree that it is acceptable, authorize publication by signing the attached NRC 390 form.

ROUTING: Review and Approval of Material for Attached Presentation

	Initial	Date
Christopher Markley, HLWRS/TRD/PAB ➤ Review and/or distribute for others' input: technical, programmatic, and editorial review.	/RA/	11/23/10
Yong Kim, HLWRS/TRD/PAB ➤ Programmatically-focused review, with technical perspective ➤ Forward to OGC	/RA/	11/29/10
OGC Staff [due:12/10/10] ➤ NLO Review ➤ Forward to Yong Kim when review complete (contact: C. Markley, 301-492-3560)	/RA/	12/10/10
Jack Davis, HLWRS/TRD (J. Guttman for) ➤ Management concurrence review (programmatic) ➤ Sign Form 390A when review complete	/RA/	12/23/10
Christopher Markley/Yong Kim, HLWRS/TRD/PAB ➤ Final check for close-out	/RA/	1/4/11