

NOTE TO: Aby Mohseni, Deputy Director  
Division of Spent Fuel Alternative Strategies (SFAS)  
Nuclear Material Safety and Safeguards (NMSS)

FROM: Christopher Markley, Systems Performance Analyst  
Science Technology Branch (STB)  
Division of Spent Fuel Alternative Strategies  
Nuclear Material Safety and Safeguards

SUBJECT: REVIEW AND AUTHORIZATION OF TWO ABSTRACTS FOR THE 2012  
MATERIALS RESEARCH SOCIETY FALL MEETING

The CNWRA has transmitted two abstracts for the 2012 Materials Research Society Fall Meeting. The abstracts are titled 1) "Corrosion Study of SIMFUEL in Aerated Carbonate Solution Containing Calcium and Silicate" and 2) "High-Burnup of Spent Nuclear Fuel and Its Implications for Disposal Performance Assessments". I have reviewed the abstracts, found them to be acceptable and not involving policy issues. In accordance with Management Directive 3.9, please review the abstracts and if you agree that they are acceptable, authorize publication by signing the attached NRC 390A form.

ROUTING: Review and Approval of Material for Attached Paper  
[The abstract submission deadline is June 19, 2012]

	<b>Initial</b>	<b>Date</b>
Christopher Markley, SFAS/STB ➤ Review and/or distribute for others' input: technical, programmatic, and editorial review.	/RA/	6/1/12
James Rubenstone, SFAS/STB ➤ Programmatically-focused review, with technical perspective ➤ Forward to Christopher Markley when review complete	/RA/	6/6/12
Timothy McCartin, SFAS ➤ Over-arching technical and programmatic review ➤ Forward to Christopher Markley when review complete	/RA/	6/11/12
Aby Mohseni, SFAS ➤ Management concurrence review (programmatic) ➤ Sign Form 390A when review complete ➤ Forward Christopher Markley when review complete	/RA/	6/14/12
Christopher Markley, SFAS/STB ➤ Final check for close-out	/RA/	6/14/12
NRC Programmatic Assistant, SFAS ➤ Close Center ticket		