




UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

October 6, 2009

MEMORANDUM TO: Chairman Jaczko

FROM: R. W. Borchardt   
Executive Director for Operations

SUBJECT: NOTIFICATION OF A SIGNIFICANT INTERAGENCY  
AGREEMENT CHANGE - JOB CODE J5546, "SPENT FUEL  
TRANSPORT RISK ASSESSMENT"

In accordance with the delegation of contractual authority memorandum dated January 24, 2005, this memorandum provides notification of a significant change to the Spent Fuel Transport Risk Assessment laboratory agreement that the Office of Nuclear Material Safety and Safeguards (NMSS) entered into with the U.S. Department of Energy (DOE). The initial agreement was awarded for \$286,000 with a performance period from June 23, 2005 to November 15, 2006. On May 5, 2006, Chairman Diaz granted authorization to increase the ceiling of this agreement to \$1,230,000. On July 18, 2008, a modification to increase the ceiling to \$1,475,000 was executed to obtain additional spent fuel package thermal and impact analyses. The period of performance was extended to June 30, 2010, as a result of this modification. This subject notification pertains to an extension of the period of performance through November 2011, and a further increase of \$335,000, a cost variance exceeding the 20 percent threshold of the agreement which requires Chairman notification. NMSS budgeted \$235,000 for this effort in fiscal year (FY) 2009. Contract support of \$25,000 is included in the FY 2010 budget, and \$75,000 is included in the budget for FY 2011.

Under the agreement, Sandia National Laboratory (SNL) will provide the latest in a series of NRC reports that analyze and summarize spent fuel transportation safety. It will be peer-reviewed and, unlike previous reports, published for public comment and issued as a NUREG. It will be used by NMSS staff in the review of environmental assessments and impact statements related to facilities whose activities include spent fuel transport. The NUREG will also aid outreach efforts to communicate the level of safety in spent fuel transportation to the public. Industry may also use the NUREG in preparing and assessing environmental impacts in spent fuel transportation.

Modeling and analyses of spent fuel canisters, packages, and package impact limiters under severe accident conditions has proven more complex than initially estimated. Consequently, SNL staff spent more time than planned working through modeling and analyses issues. This modification provides the additional time and effort required to complete the draft NUREG and to resolve peer and public comments on the document.

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The Office of the General Counsel has reviewed this memorandum and has no legal objection.

The Office of the Chief Financial Officer has reviewed this memorandum for resource implications and concurs. The Office of Administration has reviewed this paper and concurred.

cc: Commissioner Klein  
Commissioner Svinicki  
SECY  
OGC  
OCA  
OPA  
OCFO

The Office of the General Counsel has reviewed this memorandum and has no legal objection.

The Office of the Chief Financial Officer has reviewed this memorandum for resource implications and concurs. The Office of Administration has reviewed this paper and concurred.

cc: Commissioner Jaczko  
Commissioner Lyons  
Commissioner Svinicki  
SECY  
OGC  
OCA  
OPA  
OCFO

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Thanks. *Denise*

*OEDO/016 109*

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