



9 September 2011  
EL&P-040-11

Mr. Pierre Saverot  
Licensing Branch  
Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

SUBJECT: Request for Revision of US Nuclear Regulatory Commission Certificate of Compliance No. 9204 for the Model 10-160B Shipping Cask

Dear Mr. Saverot:

EnergySolutions submits the attached addendum to the Model 10-160B Safety Analysis Report and requests the addition of the Source Insert containing up to 10,000 Ci of Co-60 as authorized contents in the Model 10-160B package. The addendum to the Model 10-160B Safety Analysis Report demonstrates that the Co-60 when contained in the Source Insert may be transported in the 10-160B package in compliance with 10 CFR 71. The addendum provides discussion and evaluation of the portions of the SAR affected by the inclusion of the Source Insert and Co-60 as contents. Where an SAR chapter has no changes as a result of addition of the Source Insert, the addendum notes the lack of a change. Also included in the submittal are referenced calculations that provide details of the evaluation of compliance.

A CD is provided with this paper submittal, which contains the entire submittal. The CD has four folders, Addendum, Drawings, References, and Data. The Addendum folder contains the entire addendum. The Drawings folder contains the Source Insert Drawing. The References folder contains the EnergySolutions' structural (ST-663), thermal (TH-031) and shielding (CALC-SNL-NU-392) calculations. The Data folder contains the thermal finite element analyses and the shielding MCNP analyses data, including the input and output files.

In order to allow time for fabrication of the insert so the initial user, Sandia National Laboratory, can meet their shipping schedule, we request action on this submittal as soon as possible and issue of the revised CoC by Dec. 1, 2011.

Should you or members of your staff have questions about the submittal, please contact Mark Whittaker at (803) 758-1898 ([mshittaker@energysolutions.com](mailto:mshittaker@energysolutions.com)).

Sincerely,

A handwritten signature in black ink, appearing to read "mshittaker", is written over the word "Sincerely,".

Mark Whittaker, CHP  
Health Physicist – Radiological Services

Attachments:

1. SAR Addendum
2. SAR Drawing
3. References
4. Data (on CD)