



March 26, 2009

Mr. Arthur T. Howell III  
Director, Division of Nuclear Materials Safety  
U. S. Nuclear Regulatory Commission, Region IV  
612 East Lamar Boulevard, Suite 400  
Arlington, Texas 76011-4125  
Facsimile: 817-860-8188

**SUBJECT: Application for Amendment to NRC License No. 05-03166-05 to Provide Final Status Survey Plan Referenced in EnergySolutions Inc.'s (ESI's) "Plutonium Spill Recovery Work Plan for NIST Campus Boulder Colorado, CS-PM-PN-023" (Work Plan) – Response to March 25, 2009 Discussions with Mr. Robert Evans**

Dear Mr. Howell:

On January 29, 2009, NIST requested the NRC's approval of its Final Status Survey Plan (FSSP) referenced under Task 6, Section 6.2.4 of the Work Plan (Revision 2, December 12, 2008, approved by the NRC as NIST License Amendment No. 34). In response to discussions with Mr. Robert Evans, NIST is submitting the attached revised FSSP. The changes to the FSSP include adding a sentence discussing why NIST is not performing beta surveys, updating the tables presenting survey package information (Table 4-1 and Attachment 9.5), adding information to Section 3.0 on how often smears will be taken, clarifying the relationship between COMPASS and the hand calculations shown in Section 3.3.1, eliminating the alpha probability equations relative to alpha scanning in Section 3.3.3, and updating Figure 4-1 to indicate current survey classifications. As always, NIST stands ready to address any questions, comments, or concerns that the NRC may have.

Sincerely,

Richard F. Kayser  
Chief Scientist  
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Attachments