



ENERGYSOLUTIONS

CD08-0196

June 26, 2008

Mr. Scott C. Flanders, Director
Environmental and Performance Assessment Directorate
Division of Waste Management and Environmental Protection
Mail Stop T7-J8
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Re: EnergySolutions Exemption from Licensing Requirements of 10 CFR 70

Dear Mr. Flanders:

EnergySolutions, LLC (EnergySolutions) hereby requests authorization from the U.S. Nuclear Regulatory Commission (NRC) to use the SNM Order in the Utah radioactive waste disposal license UT2300249 at the Clive Processing Facility (CPF). On June 7, 2007, EnergySolutions submitted a radioactive material license application with the State of Utah to process radioactive material. The CPF will operate under a separate license than our current Utah radioactive waste disposal license UT2300249 but the same location, Section 32, Tooele County Utah. A license condition within the Utah radioactive material license UT2300249 exempts the Clive Disposal Facility from certain U.S. Nuclear Regulatory Commission (NRC) regulations and permits the Clive Disposal Facility, under specified conditions, to possess waste containing special nuclear material (SNM) in quantities greater than specified in 10 CFR 150.

EnergySolutions has requested authorization for the following processing operations at the CPF:

1. Liquids - Radioactive liquids solidification using Utah-approved solidification media
2. Sorting or Segregating Process - Sorting is defined as separating material into different categories in order to optimize packaging or processing of radioactive material with respect to chemical and physical properties. Segregating is similar to sorting except this process is specific to removing non-conforming or difficult material.
3. Segmentation - Radioactive material reduced in size to allow processing.

4. Overfilling - Overfilling is essentially a blending operation in that flowable material suitable for disposal is used to fill voids in packages destined for disposal.

These processes are very similar to those that are currently allowed under the existing SNM Order, they will just be performed under a separate radioactive materials license. As already committed in our current SNM order with respect to the thermal desorption process, EnergySolutions will continue to implement procedural controls, performed prior to changing the configuration of the waste within its individual waste container. These controls include pre-processing calculations to ensure that, at no time, the SNM concentrations of the waste will exceed the authorized concentration limits within the SNM Order.

Please call me at 1-801-649-2114 with any questions.

Sincerely,



Tye Rogers,
Senior Vice President, Regulatory Affairs

Cc: Mr. Dane L. Finerfrock, Director, Utah Division of Radiation Control