ENERGYSOLUTIONS

May 2, 2011 CD11-0123

Mr. Rusty Lundberg
Executive Secretary
Utah Division of Radiation Control
Utah Division of Water Quality
195 North 1950 West
P.O. Box 144850
Salt Lake City, UT 84114-4850

Re: Radioactive Material License #UT 2300249 and Ground Water Quality Discharge Permit No. UGW450005. Amendment and Modification Request – Class A West Embankment; Retraction of the Class A South/11e.(2) Embankment Design Change Request

Dear Mr. Finerfrock:

Energy*Solutions*, LLC (Energy*Solutions*) hereby requests an amendment and modification to Radioactive Material License (RML) #UT 2300249 and Ground Water Quality Discharge Permit No. UGW450005 (GWQDP). The purpose of this amendment and modification is to permit a new Class A West embankment that will encompass the footprints of the existing Class A and Class A North embankments. In order to obtain the correct geometry, the Class A West embankment will need to have a shoulder height of 37.6 feet, compared to current shoulder heights of 32 feet (for the Class A embankment) and 35 feet (for the Class A North embankment).

Attached please find a summary of the technical review matters associated with this request. Included with this summary are location and design drawings, detailed geotechnical analysis of the proposed embankment geometry, groundwater infiltration and transport modeling, an ALARA safety review and updated site drainage calculations. Check number 13273 has been provided to cover the license amendment fee associated with this request.

At this time, Energy*Solutions* also hereby retracts its Class A South/11e.(2) embankment design change request, first submitted for Division review on January 4, 2008.

Table 1 below compares the embankment volumes of the Class A, Class A North, Class A South and Class A West embankments.

Table 1. Embankment Volumes

Embankment	Disposal Volume (cy)
Class A West	8,724,097
Class A North	1,722,509
Class A	3,778,896
Class A South	3,408,704

As illustrated in Table 1, combining the Class A and Class A North embankments into the Class A West embankment adds 3,222,692 cubic yards of waste disposal capacity to Energy*Solutions* Clive facility (the Class A West disposal volume minus the sum of the Class A and Class A North disposal volumes). This represents a 186,012 cubic yard reduction in requested disposal space when compared to the retracted Class A South facility (Class A South disposal volume minus the extra disposal volume provided by Class A West).

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If you have any questions regarding this issue, please contact me at 801-649-2000.

Sincerely,

Sean McCandless
Director, Compliance and Permitting

enclosures

cc: John Hultquist, DRC (w encl.)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.