



October 10, 2006

LC-385-06-JJS

Regional Administrator

NRC Region I  
ATTN: Division of Nuclear Materials Safety  
475 Allendale Rd.  
King of Prussia, PA 19406

Dear Sir or Madam:

EnergySolutions, LLC (Duratek Inc.) provides notification that work will be performed at Dominion Nuclear Connecticut, Inc. Millstone Power Station located in Waterford, CT under the provisions of our US NRC Materials License No. 39-23004-01.

EnergySolutions will transport a used reactor head and two turbine rotors by barge and over-the-highway hauler and a pressurizer transported by railcar to the EnergySolutions waste disposal site located in Clive, Utah. The radioactive material will consist of contamination deposited on the surfaces of the components as well as activated metal in the reactor head. The total activity will be approximately 125 curies. EnergySolutions will take possession of the components from Millstone's NRC License No. DPR-65 when the material is placed on the EnergySolutions supplied conveyance. The components will then be properly secured for shipment.

Both licensees will work together to ensure safety is maintained during the transfer and shipment of this material. This will be accomplished in accordance with the enclosed agreement between Dominion and EnergySolutions signed on September 20, 2006. The following information is provided per the requirement of Condition 10 B of this license:

1. The material consists of solid metal components comprised of a used reactor head, two turbine rotors and a pressurizer having a total activity of approximately 125 curies. The predominate radionuclides are Co-60, Fe-55 and Ni-63.
2. Specific Location: Dominion Nuclear Connecticut, Inc.  
Millstone Power Station  
Rope Ferry Road (Route 156)  
Waterford, CT
3. The used reactor head and two turbine rotors will be transported by barge and over-the-highway hauler and the reactor pressurizer will be transported by railcar to the EnergySolutions waste disposal site located in Clive, Utah.
4. November 7, 2006 is the estimated start date for the project with an anticipated completion date of January 31, 2007.

2006 OCT 16 PM 2:41

RECEIVED  
REGION 1

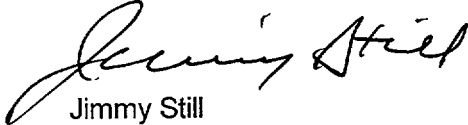
L-0

03020159

5. Point of Contact: Mark Whittaker, Radiation Safety Officer (RSO)  
EnergySolutions  
140 Stoneridge Drive  
Columbia, SC 29210  
(803) 758-1898

If you have any questions, please contact Mark Whittaker or me at (803) 541-5011.

Sincerely,  
Chem-Nuclear Systems, LLC

A handwritten signature in black ink, appearing to read "Jimmy Still". The signature is fluid and cursive, with the first name "Jimmy" being more prominent than the last name "Still".

Jimmy Still  
Licensing Manager

Enclosure

C: Document Control  
Craig Gordon, US NRC, Region I  
Thomas Schietinger, EnergySolutions  
Mark Whittaker, EnergySolutions



Dominion Nuclear Connecticut, Inc.

Change In Order 003 dated 9-19-06, WD.

CIO 003 has been issued to specifically identify the responsibility for work associated with DNC Reactor Head, Pressurizer and Two Turbine Rotors disposal.

Duratek will be performing certain NRC-regulated activities at the Dominion site under Duratek's NRC License No. 39-23004-01.

Duratek will supply a barge to transport the used reactor head and two turbine rotors and a railcar to transport a pressurizer to the EnergySolutions (dba Duratek) disposal site in Clive, Utah. The radioactive material consists of contamination of the surfaces of the

components as well as activation in the head for a total of approximately 125 Ci. Possession of the radioactive material shall be transferred from the Dominion NRC license to Duratek's NRC license (39-23004-01) when the component containing the radioactive materials is placed on the Duratek supplied conveyance. The component containing the radioactive material will then be tied down to the conveyance for shipment. Both licensees agree that they will work together to ensure safety during the transfer and shipment of this material and, in the event of an accident at Dominion involving this material, the parties will work together to assure that the radioactive material is properly secure.

Activities Conducted By Duratek:

- Notifying the NRC of the intent to take possession of the radioactive material as described in the Description of Work.
- Obtain approvals and permits for transport of the components to the Clive disposal site
- Obtain approvals and permits for disposal of the components at the Clive disposal site
- Take possession of the components
- Preparing conveyance for shipment (e.g., install blocking and bracing, tie down component on conveyance)
- Performing the radiation surveys required for shipment
- Preparation of shipping documentation (e.g., shipping manifest, exclusive use statement), placarding, marking, and labeling
- Shipping the radioactive material to the disposal site
- Resolving any issues concerning transportation or disposal of the components after departure from the Dominion site.

Activities Conducted By Dominion:

- Implement Dominion personnel monitoring program for contractor personnel involved in loading and shipping preparation activities while on the Dominion Site.
- Implement Dominion radiological control program (HP coverage, RWPs, area surveys, environmental monitoring, etc.) while the components are on Dominion property
- Implement the Dominion emergency response program while the components are on Dominion property
- Implement the Dominion security program while the components are on

0013/2000 100 10.00 FAA 003/003

**Dominion Nuclear Connecticut, Inc.**

Unless otherwise specified herein, all other descriptions, Terms and Conditions of the original Purchase Order and previous Change Orders remain the same.

This company has a valid Direct Pay permit issued by the Connecticut Department of Revenue. This company self-assesses applicable Connecticut state and local sales and use tax for all purchases delivered to Connecticut. Included in this purchase order is a copy of the Connecticut Direct Pay permit to be provided to the supplier. The supplier should not charge sales taxes on these purchases.

Direct Pay Permit number: Dominion Nuclear Connecticut  
Connecticut permit number- 1576149-000

**Buyer's PURCHASE ORDER NO. and ITEM NO. MUST appear on ALL invoices, shipping papers, packages and correspondence.**

Within 10 days of the date of issuance of this order or revision supplier shall acknowledge its acceptance by signing and returning the original. Refer to Contact Person's fax number on page 1.

Accepted By:

H. Shankham  
for J. Christian

Date:

9/20/2006

By:

William G. Dwyer  
Purchaser

This is to acknowledge the receipt of your letter/application dated

10/10/2006, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Notification 39-23004-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139628.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.