



January 19, 2011

Mr. Scott Moore
Deputy Director - Office of International Programs
US Nuclear Regulatory Commission
Mail Stop 4E21
Washington, DC 20555

Subject: 10CFR110.23 (b) Annual Report

Dear Mr. Moore:

In accordance with the reporting requirements 10CFR110.23 (b), EnergySolutions Bear Creek Facility exported under a General License approximately $1.54E+1$ MBq ($4.17E-1$ mCi) of Am-241 distributed as internal surface contamination in empty shipping containers. The Am-241 activity is estimated based on facility scaling factors. All containers were shipped in accordance with U. S. DOT regulations as *excepted package-empty packaging UN2908*.

The empty packagings were transported to Canada for the purpose of packaging radioactive material for return to Bear Creek in accordance with import permit IW017.

The export details are provided in the attached table.

If you have any questions or need additional information, please do not hesitate to call me at 865-220-1478.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Philip Gianutsos".

Philip Gianutsos
Radiation Safety Office
EnergySolutions, Inc
Bear Creek Facility

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Attachment:

- 1) General License Export Details

General License Export Details

Recipient Country	Shipment Date	End User	Description of Material	Quantity (approx) See Note Below
Canada	1/6/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	1/10/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	1/17/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	1/20/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	1/25/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	2/3/2010	AECL	One (1) Empty Sealand	4,000 kg
Canada	2/3/2010	AECL	One (1) Empty Sealand	4,000 kg
Canada	2/4/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	2/17/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	2/27/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/7/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/14/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/21/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/28/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/30/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	3/31/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	4/5/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	4/12/2010	GE Canada	One (1) Empty Sealand	4,000 kg
Canada	4/12/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	4/19/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	4/28/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	5/2/2010	Bruce Power	One (1) Empty Sealand	4,000 kg
Canada	5/11/2010	Monserco	One (1) Empty Sealand	4,000 kg
Canada	5/11/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	5/18/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	5/26/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/1/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/7/2010	AECL	One (1) Empty Sealand	4,000 kg
Canada	6/7/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	6/7/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/8/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	6/8/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	6/8/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	6/12/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/15/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/21/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/22/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	6/28/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/3/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/11/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/13/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	7/13/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	7/13/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	7/13/2010	AECL	Two (2) Empty Sealands	4,400 kg
Canada	7/14/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/20/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/25/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/26/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	7/27/2010	Bruce Power	One (1) Empty Sealand	5,500 kg
Canada	8/3/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	8/10/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	8/11/2010	Monserco	One (1) Empty Sealand	4,000 kg
Canada	8/22/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	8/24/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	8/29/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	8/31/2010	Kinectnics	One (1) Water Express	4,000 kg
Canada	9/6/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	9/13/2010	Bruce Power	One (1) Empty Sealand	5,500 kg
Canada	9/14/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	9/15/2010	Monserco	One (1) Empty Sealand	4,000 kg
Canada	9/20/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	9/21/2010	Kinectnics	One (1) Empty Sealand	4,000 kg
Canada	9/21/2010	Kinectnics	One (1) Empty Sealand	4,000 kg
Canada	10/2/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/6/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/10/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/13/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/19/2010	Kinectnics	One (1) Empty Sealand	4,000 kg
Canada	10/20/2010	Kinectnics	One (1) Water Express	4,000 kg
Canada	10/20/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/25/2010	Bruce Power	One (1) Empty Sealand	4,000 kg
Canada	10/26/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	10/27/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/3/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/7/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/10/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/17/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/17/2010	Kinectnics	One (1) Water Express	4,000 kg
Canada	11/19/2010	Monserco	One (1) Empty Sealand	4,000 kg
Canada	11/20/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/21/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	11/29/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	12/5/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	12/12/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg
Canada	12/14/2010	Bruce Power	Two (2) Empty Sealands	11,000 kg

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Note: The quantity represents the approximate empty weight of the packagings