

10 CFR 71.95

RS-15-228

August 21, 2015

ATTN: Document Control Desk  
Director, Division of Spent Fuel Storage and Transportation  
Office of Nuclear Material Safety and Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Exelon Generation Company, LLC  
10 CFR 71, "Packaging and Transportation of Radioactive Material"  
NRC Docket No.71-0008

**Subject:** Report In Accordance With 10 CFR 71.95(a) for Failure to Comply with  
Certificate of Compliance No. 9168

**Reference:** Letter from D. Shrum (EnergySolutions LLC) to M. Lombard (U. S. NRC),  
"10 CFR 71.95 Report on the 8-120B Cask," dated June 24, 2015 [ADAMS  
Accession No. ML15202A058]

In accordance with 10 CFR 71.95, "Reports," sub-paragraph (a)(3), Exelon Generation Company, LLC (EGC) is submitting this report to communicate potential instances in which the conditions of approval in Certificate of Compliance (CoC) No. 9168 for the EnergySolutions LLC 8-120B transport package [USA/9168/B(U)-96] may not have been followed for shipments of radioactive material from EGC nuclear stations.

The 8-120B condition prompting this report was initially communicated to the NRC by EnergySolutions LLC in the referenced letter. This report is based on EGC's discovery of the condition on June 24, 2015 when EnergySolutions LLC provided the referenced letter to registered users of the 8-120B. This notification is required to be submitted within 60 days. Accordingly, this submittal is due by August 24, 2015.

The condition involves a potential reduction in test sensitivity for a neoprene gasket that is installed in 8-120B test manifolds. This potential reduction in test sensitivity would have affected 8-120B shipments from September 2013 through June 2015. EnergySolutions LLC discovered the potential reduction in sensitivity after validating a concern that was originally communicated to EnergySolutions LLC by a cask user on June 1, 2015. As described in the referenced letter, the engineering evaluation concluded that there were no safety significant issues associated with the condition.

The attachment to this letter provides a list of instances where EGC used the 8-120B transport package from September 2013 through June 2015 to ship radioactive material from the EGC nuclear stations.

There are no regulatory commitments in this submittal.

Should you have any questions, please contact Mr. John L. Schrage at (630) 657-2821.

Respectfully,

A handwritten signature in black ink, appearing to read 'P. Simpson', with a long horizontal flourish extending to the right.

Patrick R. Simpson  
Manager - Licensing  
Exelon Generation Company, LLC

Attachment: Radioactive Material Shipments from Exelon Generation Company LLC Nuclear Stations Using EnergySolutions LLC 8-120B Transport Package

## Attachment

### Radioactive Material Shipments from Exelon Generation Company LLC Nuclear Stations Using EnergySolutions 8-120B Transport Package [USA/9168/B(U)-96]

<b>Shipment Origin</b>	<b>Shipment Date</b>
Braidwood Station	07-Jan-2015
Braidwood Station	13-Jan-2015
Braidwood Station	21-Jan-2015
Braidwood Station	27-Jan-2015
Braidwood Station	04-Feb-2015
Braidwood Station	10-Feb-2015
Byron Station	05-Feb-2014
Byron Station	12-Feb-2014
Byron Station	18-Feb-2014
Dresden Nuclear Power Station	22-Jul-2014
Limerick Generating Station	29-Jul-2014
Limerick Generating Station	14-Aug-2014
Limerick Generating Station	23-Feb-2015
Limerick Generating Station	16-Mar-2015
Quad Cities Nuclear Power Station	21-Oct-2014
Quad Cities Nuclear Power Station	27-Oct-2014