

December 30, 2011

U.S. Nuclear Regulatory Commission
Attn.: Document Control Desk
Washington, DC 20555-0001

Limerick Generating Station, Units 1 and 2
Facility Operating License Nos. NPF-39 and NPF-85
NRC Docket Nos. 50-352 and 50-353

Subject: Voluntary Supplemental Special Report - Seismic Monitoring
Instrumentation Actuation

Reference:

(1) Voluntary Special Report – Seismic Monitoring Instrumentation Actuation, Rev.0,
date 9/2/11

This voluntary supplemental Special Report is being submitted due to an actuation of seismic monitoring instrumentation during a seismic event. The event did not exceed the 0.01 g Technical Requirements Manual 3.3.7.2 Seismic Monitoring Instrumentation surveillance requirement 4.3.7.2.2 threshold for reporting.

Technical Requirements Manual 3.3.7.2 Seismic Monitoring Instrumentation surveillance requirement 4.3.7.2.2 states the following:

Each of the above seismic monitoring instruments which is actuated during a seismic event greater than or equal to 0.01 g but is not accessible during power operation shall be restored to OPERABLE status and a CHANNEL CALIBRATION performed the next time Unit 1 enters OPERATIONAL CONDITION 4 or below. A supplemental report shall then be prepared and submitted to the Nuclear Regulatory Commission within 14 days pursuant to Specification 6.9.2 of the Technical Specifications describing the additional data from these instruments.

The following actuated instruments were restored to operable status and a channel calibration was performed:

XE-VA-105 RX PIPING SUPPORT (Inside the Unit 1 Drywell)
XR-VA-104/105 SEISMIC MONITORING SYSTEM RECORDER
(Only one channel of the recorder was degraded due to the degraded drywell sensor.)

There is no additional data obtained from the above instruments due to only the vertical axis channel of the XE-VA-105 being degraded. All other data was captured and analyzed following the August 23, 2011 seismic event.

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There are no regulatory commitments contained in this letter.

If you have any questions, please contact John Hunter at (610) 718-3400.

Sincerely,

Original signed by Peter A. Gardner

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Vice President – Limerick Generating Station
Exelon Generation Company, LLC

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NRC Senior Resident Inspector, Limerick

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