

10 CFR 50.90
10 CFR 50, Appendix K

RS-11-003
January 07, 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: Supplement to License Amendment Request for Measurement Uncertainty
Recapture Power Uprate

References: 1. Letter from M. D. Jesse (Exelon Generation Company, LLC) to U. S. NRC,
"Request for License Amendment Regarding Measurement Uncertainty
Recapture Power Uprate," dated March 25, 2010

In Reference 1, Exelon Generation Company, LLC (Exelon) submitted a license amendment request for Limerick Generating Station (LGS), Units 1 and 2. The proposed license amendment request would implement a power uprate of approximately 1.65% for each LGS unit by utilizing increased accuracy of feedwater flow measurement. The proposed amendment also includes a related modification to the Standby Liquid Control System that is needed to support Anticipated Transient Without Scram response at the proposed uprated conditions.

Per a teleconference on January 05, 2011 between the NRC staff and Exelon, it was identified that the submitted markup of proposed Technical Specifications page 3/4 1-19 for LGS Units 1 and 2 did not clearly reflect the description and evaluation provided in the March 25, 2010 proposed amendment. Therefore, Attachment 1 to this letter provides a revised markup of proposed Technical Specifications page 3/4 1-19 for LGS Units 1 and 2 that supersedes the pages submitted on March 25, 2010.

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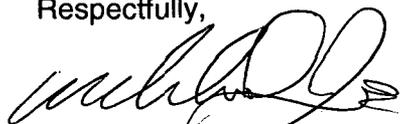
Exelon has reviewed the information supporting a finding of no significant hazards consideration, and the environmental consideration provided to the NRC in Reference 1. The supplemental information provided in this letter does not affect the bases for concluding that the proposed license amendment does not involve a significant hazards consideration. In addition, the additional information provided in this submittal does not affect the bases for concluding that neither an environmental impact statement nor an environmental assessment needs to be prepared in connection with the proposed amendment.

There are no regulatory commitments contained in this letter.

Should you have any questions concerning this request, please contact Mr. Kevin F. Borton at (610) 765-5615.

I declare under penalty of perjury that the foregoing is true and correct. Executed on the 7th day of January 2011.

Respectfully,



Michael D. Jesse
Manager, Licensing - Power Uprate
Exelon Generation Company, LLC

Attachment 1 – Revised proposed markup Technical Specifications page 3/4 1-19 for LGS Units 1 and 2.

cc: NRC Regional Administrator, Region I
NRC Senior Resident Inspector - Limerick Generating Station
NRC Project Manager, NRR - Limerick
Pennsylvania Department of Environmental Protection - Bureau of Radiation Protection

**Attachment 1
Supplemental Information**

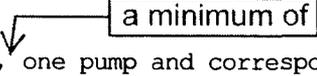
Limerick Generating Station, Units 1 and 2
Revised Markup of Proposed Technical Specifications Pages
TS Page 3/4 1-19 (Units 1 and 2)

REACTIVITY CONTROL SYSTEMS

3/4.1.5 STANDBY LIQUID CONTROL SYSTEM

LIMITING CONDITION FOR OPERATION

3.1.5 The standby liquid control system shall be OPERABLE and consist of a minimum of the following:

- a. In OPERATIONAL CONDITIONS 1 and 2, two pumps and corresponding flow paths,
 - b. In OPERATIONAL CONDITION 3, one pump and corresponding flow path.
- a minimum of
- 

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 3

ACTION:

- a. With only one pump and corresponding explosive valve OPERABLE, in OPERATIONAL CONDITION 1 or 2, restore one inoperable pump and corresponding explosive valve to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With standby liquid control system otherwise inoperable, in OPERATIONAL CONDITION 1, 2, or 3, restore the system to OPERABLE status within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the next 24 hours.

SURVEILLANCE REQUIREMENTS

4.1.5 The standby liquid control system shall be demonstrated OPERABLE:

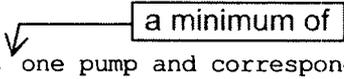
- a. In accordance with the Surveillance Frequency Control Program by verifying that:
 - 1. The temperature of the sodium pentaborate solution is within the limits of Figure 3.1.5-1.
 - 2. The available volume of sodium pentaborate solution is at least 3160 gallons.
 - 3. The temperature of the pump suction piping is within the limits of Figure 3.1.5-1 for the most recent concentration analysis.

REACTIVITY CONTROL SYSTEMS

3/4.1.5 STANDBY LIQUID CONTROL SYSTEM

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 - b. In OPERATIONAL CONDITION 3, one pump and corresponding flow path.
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- 

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3

ACTION:

- a. With only one pump and corresponding explosive valve OPERABLE, in OPERATIONAL CONDITION 1 or 2, restore one inoperable pump and corresponding explosive valve to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within the next 12 hours.
- b. With standby liquid control system otherwise inoperable, in OPERATIONAL CONDITION 1, 2, or 3, restore the system to OPERABLE status within 8 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the next 24 hours.

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 - 3. The temperature of the pump suction piping is within the limits of Figure 3.1.5-1 for the most recent concentration analysis.