



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 6, 2010

Mr. Charles Pardee
President and Chief Nuclear Officer
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: LIMERICK GENERATING STATION, UNITS 1 AND 2 - ACCEPTANCE OF
REQUESTED LICENSING ACTION RE: MEASUREMENT UNCERTAINTY
RECAPTURE POWER UPRATE REQUEST AND STANDBY LIQUID CONTROL
SYSTEM MODIFICATION (TAC NOS. ME3589, ME3590, ME3591, AND
ME3592)

Dear Mr. Pardee:

By letter dated March 25, 2010, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML100850380), Exelon Generation Company, LLC (Exelon) submitted a license amendment request for Limerick Generating Station (LGS), Units 1 and 2. The proposed amendment would revise the operating license and technical specifications to implement an increase of approximately 1.65% in rated thermal power from the current licensed thermal power of 3458 megawatts thermal (MWt) to 3515 MWt. The proposed changes are based on increased feedwater flow measurement accuracy, which will be achieved by utilizing Cameron International (formerly Caldon) CheckPlus Leading Edge Flow Meter ultrasonic flow measurement instrumentation. Additionally, the proposed changes include a modification to the standby liquid control system that allows operators to select two pumps instead of three for the automatic start function on an anticipated transient without scram signal. By letter dated April 26, 2010, (ADAMS Accession Number ML101180250), the license amendment request was supplemented by Exelon in response to a request for clarification from the U.S. Nuclear Regulatory Commission (NRC) staff dated April 19, 2010 (ADAMS Accession Number ML101031079). The purpose of this letter is to provide the results of the NRC staff's acceptance review of this amendment request.

The NRC staff has reviewed your application, including the supplement dated April 26, 2010, and concluded that it does provide technical information in sufficient detail to enable the staff to proceed with its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment. If additional information is needed for the staff to complete its technical review, you will be advised by separate correspondence.

- 2 -

Please contact me at 301-415-2833, if you have any questions.

Sincerely,

A handwritten signature in black ink, reading "Peter Bamford". The signature is written in a cursive style with a large, looped initial "P".

Peter Bamford, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-352 and 50-353

cc: Distribution via Listserv

Please contact me at 301-415-2833, if you have any questions.

Sincerely,

/RA/

Peter Bamford, Project Manager
Plant Licensing Branch I-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-352 and 50-353

cc: Distribution via Listserv

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OFFICE	LPLI-2/PM	LPLI-2/LA	LPLI-2/BC
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