

Exelon Generation
4300 Winfield Road
Warrenville, IL 60555

www.exeloncorp.com

RS-01-291

December 17, 2001

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

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: Supplemental Information Supporting Technical Specification changes to
Reactor Protection System Instrumentation Scram Discharge Volume Water
Level - High

Reference: Letter from Timothy J. Tulon, Exelon Generation Company (EGC), LLC, to
U. S. NRC, "Request for Technical Specifications Change Reactor Protection
System Instrumentation Scram Discharge Volume Water Level - High," dated
June 22, 2001

In the above reference, Exelon Generation Company (EGC), LLC, submitted a Technical Specification Amendment request for the Quad Cities Nuclear Power Station (QCNPS), Units 1 and 2. The proposed change supports a planned upgrade to the scram discharge volume level instrumentation from Fluid Components International thermal switches to Magnetrol float switches.

In a telephone conference call on November 29, 2001, Mr. A. R. Haeger (EGC) and Mr. S. N. Bailey (U.S. NRC) discussed a request for additional information regarding the process used to determine the allowable value for the scram discharge volume. The attachment to this letter provides the requested information.

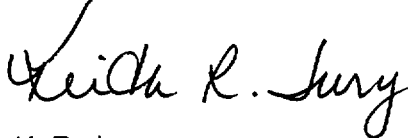
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If you have any questions concerning this letter, please contact D. L. Cecchetti at (630) 657-2826.

Respectfully,

A handwritten signature in black ink that reads "Keith R. Jury". The signature is written in a cursive style with a large, stylized "K" and "J".

K. R. Jury
Director - Licensing
Midwest Regional Operating Group

Attachment: Supplemental Information Supporting Technical Specification change for
Reactor Protection System Instrumentation Scram Discharge Volume Water
Level – High

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Nuclear Power Station
Office of Nuclear Facility Safety – Illinois Department of Nuclear Safety

STATE OF ILLINOIS

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COUNTY OF DUPAGE

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IN THE MATTER OF

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EXELON GENERATION COMPANY, LLC

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Docket Numbers

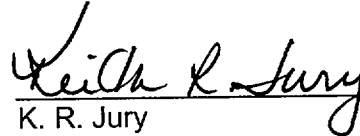
QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2)

50-254 AND 50-265

**SUBJECT: Additional Information Supporting Technical Specification
Changes to Reactor Pressure Vessel Level Instrumentation
Surveillance Frequencies and Allowable Values Requirements**

AFFIDAVIT

*I affirm that the content of this transmittal is true and correct to the best of my
knowledge, information and belief.*

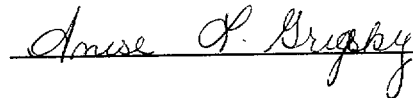


K. R. Jury
Director - Licensing
Midwest Regional Operating Group

Subscribed and sworn to before me, a Notary Public in and

for the State above named, this 17 day of

December, 2001.



Anese L. Grigsby



Attachment

Additional Information Supporting Technical Specification Changes to Reactor Pressure Vessel Level Instrumentation Surveillance Frequencies and Allowable Values Requirements

Question:

Justify the applicability of Electric Power Research Institute (EPRI) TR-103335, "Guidelines for Instrument Calibration Extension / Reduction Programs," to the reactor vessel level instrumentation for which the surveillance interval is being extended.

Response:

This modification provides a safety-related analog trip configuration that will perform the current function of the installed six Yarway reactor water level switches. The safety-related analog trip configurations which will take the place of these Yarway switches consist of Rosemount transmitters and Rosemount Model 710DU trip units. To be consistent with other Rosemount brand Reactor Protection System (RPS) trip units already installed at Quad Cities Nuclear Power Station (QCNPS) a 92-day calibration frequency has been selected for the trip units.

As part of the QCNPS Allowed Outage Time/Surveillance Test Interval (AOT/STI) Technical Specification upgrade, an evaluation of the instrument drift for Rosemount Model 710DU trip units was performed. This evaluation is consistent with EPRI TR-103335, "Guidelines for Instrument Calibration Extension / Reduction Programs." Since the new trip units are the same model as previously evaluated and the calibration methods will remain unchanged, the results of those evaluations are directly applicable to the new installations.