



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

October 7, 2008

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

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 - REQUEST FOR
ADDITIONAL INFORMATION RELATED TO TOTAL BATTERY RESISTANCE
TECHNICAL SPECIFICATION CHANGE (TAC NOS. MD7539 AND MD7540)

Dear Mr. Pardee:

By letter to the Nuclear Regulatory Commission (NRC) dated December 21, 2007, Exelon Generation Company, LLC (the licensee) submitted a request to establish total battery connector resistance acceptance criteria in technical specifications (TSs) surveillance requirements (SRs) 3.8.4.2 and 3.8.4.5, for the Quad Cities Nuclear Power Station, Units 1 and 2. By letter to the NRC dated August 14, 2008, the licensee provided additional information in response to the NRC request for additional information (RAI) dated July 18, 2008.

The NRC staff is reviewing your submittal and response to the RAI and has determined that additional information is required to demonstrate that the submittal meets the Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.36 requirements to include SRs in TSs to assure that the limiting condition for operation of these batteries is met. The specific information requested was provided in preliminary form to your staff via e-mail on September 15, 2008, and is repeated in the enclosure. During discussions with your staff on September 29 and 30, 2008, it was agreed that the preliminary RAI was clear and understood and that your response would be provided by October 15, 2008, 30 days from the date the specific information was provided to your staff.

The NRC staff considers that timely responses to the RAI help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-6606.

Sincerely,

A handwritten signature in black ink that reads "Joel Wiebe".

Joel Wiebe, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure:
Request for Additional Information

cc w/encl: Distribution via ListServ

REQUEST FOR ADDITIONAL INFORMATION

QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-254 AND 50-265

In reviewing the Exelon Generation Company LLC's (Exelon's) submittal dated December 21, 2007 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML073580004), and response to additional information dated August 14, 2008 (ADAMS Accession No. ML082280111), related to the request to establish total battery connector resistance acceptance criteria in technical specifications (TSs) surveillance requirements (SRs), for the Quad Cities Nuclear Power Station, Units 1 and 2, the NRC staff has determined that the following information is needed in order to complete its review:

Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.36(d)(2) requires TSs to include limiting conditions of operation (LCO), (the lowest functional capability or performance levels of equipment required for safe operation of the facility). Section 50.36(d)(3) of 10 CFR, in part, requires TSs to include SRs to assure that the LCOs will be met.

In response to a non-cited violation that identified a non-conservative TS SR, Exelon submitted a request for amendment dated December 21, 2007 (ADAMS Accession No. ML073580004). The proposed SR requires verification that total battery resistance is less than limits established to ensure performance of design function. The actual limits established are proposed to be included in the TS bases, not in the TSs. The proposed TS bases states that, "Maintaining the resistance limits in Table B 3.8.4-1 ensures that the minimum required voltages of 105 VDC and 210 VDC for the 125 VDC and 250 VDC safety-related batteries, respectively, will not be exceeded under worst case accident conditions."

Provide justification that demonstrates that the submittal meets the 10 CFR Section 50.36 requirements to include SRs in TSs to assure that the LCO of these batteries is met.

October 7, 2008

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

SUBJECT: QUAD CITIES NUCLEAR POWER STATION, UNITS 1 AND 2 - REQUEST FOR
ADDITIONAL INFORMATION RELATED TO TOTAL BATTERY RESISTANCE
TECHNICAL SPECIFICATION CHANGE (TAC NOS. MD7539 AND MD7540)

Dear Mr. Pardee:

By letter to the Nuclear Regulatory Commission (NRC) dated December 21, 2007, Exelon Generation Company, LLC (the licensee) submitted a request to establish total battery connector resistance acceptance criteria in technical specifications (TSs) surveillance requirements (SRs) 3.8.4.2 and 3.8.4.5, for the Quad Cities Nuclear Power Station, Units 1 and 2. By letter to the NRC dated August 14, 2008, the licensee provided additional information in response to the NRC request for additional information (RAI) dated July 18, 2008.

The NRC staff is reviewing your submittal and response to the RAI and has determined that additional information is required to demonstrate that the submittal meets the Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.36 requirements to include SRs in TSs to assure that the limiting condition for operation of these batteries is met. The specific information requested was provided in preliminary form to your staff via e-mail on September 15, 2008, and is repeated in the enclosure. During discussions with your staff on September 29 and 30, 2008, it was agreed that the preliminary RAI was clear and understood and that your response would be provided by October 15, 2008, 30 days from the date the specific information was provided to your staff.

The NRC staff considers that timely responses to the RAI help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-6606.

Sincerely,

/RA/

Joel Wiebe, Senior Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-254 and 50-265

Enclosure:

Request for Additional Information
cc w/encl: Distribution via ListServ

DISTRIBUTION:

PUBLIC

RidsNrrLAEWhitt Resource

RidsRgn3MailCenter Resource

RidsNrrPMQuadCities Resource

LPL3-2 R/F

RidsNrrDorlDpr Resource

RidsAcrcAcnw&mMailCenter Resource

RidsNrrDorlLpl3-2 Resource

RidsOgcRp Resource

ADAMS Accession Number: ML082770034

OFFICE	LPL3-2/PM	LPL3-2/LA	LPL3-2/BC
NAME	JWiebe	EWhitt	RGibbs (SP Sands For)
DATE	10/06/08	10/07/08	10/07/08

OFFICIAL RECORD COPY