



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

March 1, 2010

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

SUBJECT: CLINTON POWER STATION, UNIT NO. 1 - REQUEST FOR ADDITIONAL  
INFORMATION RE: RELIEF REQUESTS RELATED TO THIRD INSERVICE  
TESTING INTERVAL (TAC NOS. ME1546, ME1705, AND ME1709)

Dear Mr. Pardee:

By letter to the Nuclear Regulatory Commission (NRC) dated June 16, 2009 (Agencywide Documents Access and Management System Accession No. ML091690167), Exelon Generation Company, LLC submitted relief requests for the Clinton Power Station, Unit No. 1.

The NRC staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. During a discussion with your staff on February 24, 2010, it was agreed that you would provide a response within 30 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information 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) 415-1115.

Sincerely,

A handwritten signature in black ink, reading "Nicholas J. DiFrancesco", is written over a horizontal line.

Nicholas J. DiFrancesco, Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure:  
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION (RAI)  
RELIEF REQUESTS 2201, 2202, AND 3201 FOR THE INSERVICE TESTING PROGRAM  
CLINTON POWER STATION, UNIT NO. 1  
DOCKET NO. 50-461  
TAC NOS. ME1546, ME1705, AND ME1709

In reviewing the Exelon Generation Company's submittal dated June 16, 2009 (Agencywide Documents Access and Management System Accession No. ML091690167), related to third inservice testing interval relief requests (RR) Nos. 2201, 2202, and 3201 for the Clinton Power Station, Unit No. 1, the Nuclear Regulatory Commission (NRC) staff has determined that the following information is needed in order to complete its review:

RAI RR 2201 - None

RAI RR 2202-001

Request No. 2202 proposes to extend the test interval for the main steamline safety relief valves to 6.5 years and references Code Case OMN-17, "Alternative Rules for Testing [American Society of Mechanical Engineers] ASME Class 1 Pressure Relief/Safety Valves," as a basis for extending the test interval. Code Case OMN-17 allows owners to extend the test interval for safety relief valves from 5 years with no grace period to 6 years plus a 6-month grace period. It is preferable to the NRC staff to be consistent with the provisions in Code Case OMN-17. Please discuss if a 6 year plus a 6-month grace period safety relief valve test interval is acceptable in lieu of a 6.5 year test interval with no grace period.

RAI RR 3201-001

Please provide the rated flow and differential pressure for each waterleg pump.

RAI RR 3201-002

Do pressure taps exist in the waterleg pumps' suction and discharge piping where pump suction and discharge pressure can be measured for calculation of differential pressure?

RAI RR 3201-003

Are there throttle valves in the waterleg pumps' discharge piping that can be used to set differential pressure?

RAI RR 3201-004

Are there any flow rate meters, orifices, or other measurement devices installed in the system for measurement of waterleg pump flow rate?

Enclosure

RAI RR 3201-005

Have any attempts been made to use portable ultrasonic flow instruments to measure waterleg pump flow rates? If not, explain why not.

RAI RR 3201-006

Is there flow instrumentation in the main header piping? If so, explain why this instrumentation can or cannot be used to measure the waterleg pump flow.

RAI RR 3201-007

At what pressure does each low header pressure annunciator alarm? For each of these values, state what percentage it is of the respective waterleg pump operating differential pressure.

March 1, 2010

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

SUBJECT: CLINTON POWER STATION, UNIT NO. 1 - REQUEST FOR ADDITIONAL  
INFORMATION RE: RELIEF REQUESTS RELATED TO THIRD INSERICE  
TESTING INTERVAL (TAC NOS. ME1546, ME1705, AND ME1709)

Dear Mr. Pardee:

By letter to the Nuclear Regulatory Commission (NRC) dated June 16, 2009 (Agencywide Documents Access and Management System Accession No. ML091690167), Exelon Generation Company, LLC submitted relief requests for the Clinton Power Station, Unit No. 1.

The NRC staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. During a discussion with your staff on February 24, 2010, it was agreed that you would provide a response within 30 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information 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) 415-1115.

Sincerely,

/RA/

Nicholas J. DiFrancesco, Project Manager  
Plant Licensing Branch III-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-461

Enclosure:

Request for Additional Information

cc w/encl: Distribution via Listserv

DISTRIBUTION:

PUBLIC

LPL3-2 R/F

RidsNrrDorlLpl3-2 Resource

RidsNrrPMClinton Resource RidsNrrLATHarris Resource

RidsOgcRp Resource

RidsRgn3MailCenter Resource

RidsNrrDorl Resource

RidsAcrsAcnw\_MailCenter Resource

ADAMS Accession No. ML100491661

NRR-088

OFFICE	LPL3-2/PM	LPL3-2/LA	LPL3-2/BC
NAME	NDiFrancesco	BTully for THarris	SCampbell
DATE	2/26/10	2/26/10	3/1/10

OFFICIAL RECORD COPY