



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

January 21, 2011

Mr. Michael J. Pacilio
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 RELATED TO REQUEST FOR ADOPTION OF TECHNICAL
SPECIFICATION TASK FORCE-501 (TAC NO. ME4850)

Dear Mr. Pacilio:

By letter dated October 8, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML102810654), supplemented by Response to Request for Additional Information dated January 6, 2011 (ADAMS Accession No. ML110060809), Exelon Generation Company, LLC (the licensee) submitted license amendment request (LAR) for Clinton Power Station (CPS), Unit No. 1. The LAR proposes to revise the CPS Technical Specifications (TS) 3.8.3, "Diesel Fuel Oil, Lube Oil, and Starting Air," by relocating the current stored diesel fuel oil and lube oil numerical volume requirements from the TS to the TS Bases, for CPS, Unit No. 1.

The Nuclear Regulatory Commission (NRC) staff is reviewing your submittal and your Response to Request for Additional Information 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 Mr. Mitchel Mathews of your staff on January 20, 2011, it was agreed that you would provide a response by February 7, 2011. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-1115.

Sincerely,

A handwritten signature in cursive script that reads "Nicholas J. DiFrancesco".

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

EXELON GENERATION COMPANY, LLC

CLINTON POWER STATION, UNIT NO. 1

LICENSE AMENDMENT REQUEST FOR ADOPTION OF TSTF-501

DOCKET NO. 50-461

TAC NO. ME4850

1. Provide the expected change in accident loading for each emergency diesel generator (EDG) over the 7-day accident period.
2. Provide the rate of fuel oil consumption for each EDG at full load conditions and at overload conditions. How are the rates of consumption established (recent testing, original equipment manufacturer data, etc.)? Have the EDG efficiencies been verified? Do the fuel oil volume calculations assume a linear change in the fuel oil consumption at different loading conditions? Are the fuel oil consumption rates used for Ultra Low Sulfur Diesel fuel?
3. Does the Clinton Power Station fuel oil volume calculation method yield conservative results compared to the American National Standards Institute (ANSI) N195-1976 method (i.e., account for the 10 percent margin, account for the fuel oil volume consumed by testing) for each EDG?
4. Provide the amount of fuel oil volume consumed by testing (the value T in ANSI N195-1976) for each EDG.

Reference:

1. Letter from Jeffrey L. Hansen of Exelon Generation Company, LLC to NRC, "License Amendment Request for Adoption of Technical Specifications Task Force (TSTF) Traveler TSTF-501, Revision 1, Relocate Stored Fuel Oil and Lube Oil Volume Values to Licensee Control," dated October 8, 2010.
2. Letter from Patrick R. Simpson of Exelon Generation Company, LLC to NRC, "Response to Request for Additional Information Regarding License Amendment Request for Adoption of Technical Specifications Task Force (TSTF) Traveler TSTF-501, Revision 1, "Relocate Stored Fuel Oil and Lube Oil Volume Values to Licensee Control," dated January 6, 2011.

ENCLOSURE

January 21, 2011

Mr. Michael J. Pacilio
President and Chief Nuclear Officer
Exelon Generation Company, LLC
4300 Winfield Road
Warrenville, IL 60555

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Sincerely,
/RA/

Nicholas J. DiFrancesco, Project Manager
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