



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

June 8, 2016

Mr. Bryan C. Hanson
Senior Vice President
Exelon Generation Company, LLC
President and Chief Nuclear Officer (CNO)
Exelon Nuclear
4300 Winfield Road
Warrenville, IL 60555

**SUBJECT: DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3 - REQUEST FOR
ADDITIONAL INFORMATION RELATED TO THE LICENSE AMENDMENT
REQUEST TO INCREASE THE MINIMUM REQUIRED FUEL OIL IN EACH
STANDBY DIESEL GENERATOR FUEL OIL DAY TANK AND PROPOSED
CHANGE TO TECHNICAL SPECIFICATION 3.8.1, "AC SOURCES –
OPERATING" (CAC NOS. MF7158 AND MF7159)**

Dear Mr. Hanson:

By application dated December 14, 2015 (RS-15-297) (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15348A224), Exelon Generation Company, LLC (EGC, the licensee) submitted a license amendment request for Dresden Nuclear Power Station, Units 2 and 3. The proposed amendment request would increase the minimum required fuel oil in each standby diesel generator fuel oil day tank and change Technical Specification 3.8.1, "AC Sources – Operating."

The U.S. Nuclear Regulatory Commission (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 Mr. Mitchell Mathews of your staff on May 31, 2016, it was agreed that EGC would provide a response by June 30, 2016.

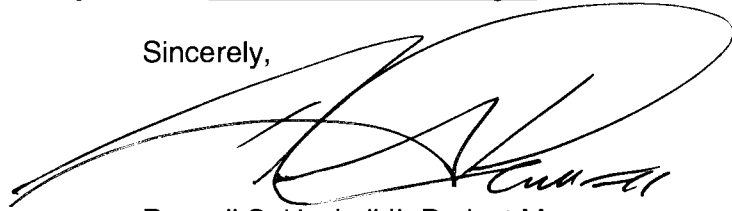
The NRC staff considers that timely responses to requests for additional information helps ensure that sufficient time is available for staff review and contributes towards the NRC's goal of efficient and effective use of staff resources.

B. Hanson

- 2 -

If circumstances result in the need to revise the requested response date, please contact Mr. Russell Haskell at (301) 415-1129, or by email at Russell.Haskell@nrc.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Russell S. Haskell II", written over a large, loopy oval flourish.

Russell S. Haskell II, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-237, 50-249

Enclosure:
Request for Additional Information

cc w/encl: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

EXELON GENERATION COMPANY, LLC

DRESDEN NUCLEAR POWER STATION (DNPS), UNITS 2 AND 3

LICENSE AMENDMENT REQUEST FOR TECHNICAL SPECIFICATION 3.8.1

"AC SOURCES – OPERATING"

DOCKET NOS. 50-237, 50-249

RAI EPNB-1

On Page 4 of Attachment 1 to the license amendment request (LAR), the licensee states that "Ultra Low Sulfur Fuel Oil (ULSD) has been in use at DNPS since 2007; therefore, this confirmation of fuel oil consumption rates also accounts for the use of ULSD." ASTM D 975, "Standard Specification for Diesel Fuel Oils," allows for up to 5 percent biodiesel in the fuel oil without labeling.

Discuss whether or not the actual fuel oil consumption rate, and the fuel oil consumption rate curve provided by the manufacturer, take into account up to 5 percent biodiesel allowed by ASTM D 975. If fuel oil is received without biodiesel at DNPS, explain how that is ensured.

RAI EPNB-2

On Page 4 of Attachment 1 to the LAR, it is stated that Table 1, "Comparison of Volumetric Gross Heat Content at American Petroleum Institute (API) Gravities of 32 and 39," demonstrates the relationship of volumetric gross heat to API gravity.

For the gross heat values in Table 1, discuss how the use of ULSD is factored into the gross heat values in the table.

RAI EPNB-3

On Page 5 of Attachment 1 to the LAR, the licensee states that "the fuel oil consumption rate provided by the [diesel generator] DG engine manufacturer adequately covers the fuel consumption for the Unit 2, Unit 3, and Unit 2/3 DGs over the range of API gravity values allowed by the Dresden Diesel Fuel Oil Testing Program."

Provide the related manufacturers engine data which supports the fuel oil consumption rate being adequate for the DNPS DGs for the range of API gravity values allowed by DNPS Diesel Fuel Oil Testing Program.

Enclosure

RAI EPNB-4

On Page 5 of Attachment 1 to the LAR, the licensee states that an engineering evaluation determined that when the DG output is 3035 kW, the corresponding fuel oil consumption rate is 211 gallons per hour.

For the DG loading of 3035 kw, as specified above, provide the engineering evaluation or supporting documentation which support the fuel consumption rate is 211 gallons per hour.

B. Hanson

- 2 -

If circumstances result in the need to revise the requested response date, please contact Mr. Russell Haskell at (301) 415-1129, or by email at Russell.Haskell@nrc.gov.

Sincerely,

/RA/

Russell S. Haskell II, Project Manager
Plant Licensing Branch III-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-237, 50-249

Enclosure:
Request for Additional Information

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* by email

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NAME	RHaskell			
DATE	6/8/2016			

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