

NRR-PMDAPEm Resource

From: Haskell, Russell
Sent: Tuesday, May 17, 2016 12:00 PM
To: 'Mitchel.Mathews@exeloncorp.com'
Subject: (CAC Nos. MF7158/MF7159) Dresden Nuclear Power Station, Units 2 and 3 - Draft RAIs to Address EGC Request to Revise Technical Specification 3.8.1, "AC Sources – Operating,"
Attachments: MF7158_MF7159 - DNPS Draft RAIs for DG Day Tank LAR.docx

Mr. Mathews,

On December 14, 2015, Exelon Generation Company, LLC (EGC, the licensee) submitted a license amendment request for Dresden Nuclear Power Station (DNPS), Units 2 and 3 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML15348A224) (RS-15-297). The license amendment request proposes a revision to DNPS Units 2 & 3 Technical Specification 3.8.1, "AC Sources – Operating," specifically to Surveillance Requirement (SR) 3.8.1.4 to increase the minimum required fuel oil in each standby diesel generator (DG) fuel oil day tank.

The purpose of this email is to inform EGC of the attached preliminary questions (i.e., draft requests for additional information or RAI's) associated with the above request.

To aid in staff scheduling for both the NRC and EGC (et al.), please contact me by May 31, 2016 to discuss scheduling expectations including the need for any EGC clarifications prior to the formal docketing of these RAI's.

Thank you.

Russell S. Haskell II

United States Nuclear Regulatory Commission (NRC)

Project Manager - NRR/DORL/LPL 3-2

Dresden Nuclear Power Station, Units 2 and 3

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Draft RAIs to Address EGC Request to Revise Technical Specification 3.8.1, "AC Sources – Operating,"
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**REQUEST FOR ADDITIONAL INFORMATION (RAI)
EXELON GENERATION COMPANY, LLC
DRESDEN NUCLEAR POWER STATION, UNITS 2 AND 3
LICENSE AMENDMENT REQUEST FOR TECHNICAL SPECIFICATION 3.8.1,
“AC SOURCES – OPERATING”
DOCKET NOS. 50-237, AND 50-249**

Reference:

Letter from Patrick R. Simpson of the Exelon Generation Company, LLC to NRC, “Request for License Amendment to Dresden Nuclear Power Station Technical Specification 3.8.1, “AC Sources - Operating”,” dated December 14, 2015 (Agencywide Document Access and Management System (ADAMS) Accession Number ML15348A224).

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 Dresden 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 five 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 five percent biodiesel allowed by ASTM D 975. If fuel oil is received without biodiesel at Dresden, explain how that is achieved.

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 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.” Please provide a copy of the fuel oil consumption rate curve provided by the DG manufacturer.

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. Please provide a copy of this engineering evaluation.