



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

March 31, 2022

Mr. David P. Rhoades
Senior Vice President
Constellation Energy Generation, LLC
President and Chief Nuclear Officer
Constellation Nuclear
4300 Winfield Road
Warrenville, IL 60555

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT, UNITS 1 AND 2 –
CORRECTION OF LICENSE AMENDMENT NOS. 337 AND 315 TO REVISE
RESPONSE TIME TESTING DEFINITION (EPID L-2019-LLA-0274)

Dear Mr. Rhoades:

By letter dated August 20, 2020 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML20010C416), the U.S. Nuclear Regulatory Commission issued Amendment No. 337 to Renewed Facility Operating License No. DPR-53 and Amendment No. 315 to Renewed Facility Operating License No. DPR-69 for the Calvert Cliffs Nuclear Power Plant, Units 1 and 2 (Calvert Cliffs), respectively. The amendments were in response to the license amendment request by Exelon Generation Company, LLC¹ (the licensee) dated December 9, 2019 (ADAMS Accession No. ML19343C678). The amendments revised the technical specifications (TS) to adopt Technical Specification Task Force (TSTF) Traveler TSTF-569, Revision 2, "Revise Response Time Testing Definition."

When these amendments were issued, the revised TS Page 1.1-3 did not incorporate changes made by Amendment No. 333 to Renewed Facility Operating License No. DPR-53 and Amendment No. 311 to Renewed Facility Operating License No. DPR-69 for Calvert Cliffs. Specifically, E-Bar - AVERAGE DISINTEGRATION ENERGY was retained in the definitions. Amendments 333 and 311 were issued by letter dated February 28, 2020 (ADAMS Accession No. ML19337D035), in response to the license amendment request by the licensee dated May 6, 2019 (ADAMS Accession No. ML19127A076). The amendments revised TS limits on reactor coolant system gross specific activity to be based on a new dose equivalent xenon-133 definition that replaced the current E-Bar definition, and revised the dose equivalent iodine-131 definition to allow use of committed effective dose equivalent dose conversion factors.

The corrected Calvert Cliffs TS Page 1.1-3 is enclosed. Please remove the current Page 1.1-3 and insert the corrected Page 1.1-3, which is applicable to both Units 1 and 2. The other pages issued as part of Amendment Nos. 337 and 315 were not affected by this error.

¹ On February 1, 2022 (ADAMS Accession No. ML22032A333), Exelon Generation Company, LLC was renamed Constellation Energy Generation, LLC.

D. Rhoades

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If you have any questions, please contact me at (301) 415-1081 or Andrea.Mayer@nrc.gov.

Sincerely,

/RA/

Andrea Mayer, Senior Project Manager
Plant Licensing Branch I
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-317 and 50-318

Enclosure:
Corrected TS Page 1.1-3

cc: Listserv

ENCLOSURE

CONSTELLATION ENERGY GENERATION, LLC

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2

CORRECTED TECHNICAL SPECIFICATIONS PAGE 1.1-3

DOCKET NOS. 50-317 AND 50-318

1.1 Definitions

DOSE EQUIVALENT XE-133	DOSE EQUIVALENT XE-133 shall be that concentration of Xe-133 (microcuries per gram) that alone would produce the same acute dose to the whole body as the combined activities of noble gas nuclides Kr-85m, Kr-85, Kr-87, Kr-88, Xe-131m, Xe-133m, Xe-133, Xe-135m, Xe-135, and Xe-138 actually present. If a specific noble gas nuclide is not detected, it should be assumed to be present at the minimum detectable activity. The determination of DOSE EQUIVALENT XE-133 shall be performed using effective dose conversion factors for air submersion listed in Table III.1 of EPA Federal Guidance Report No. 12, 1993, "External Exposure to Radionuclides in Air, Water, and Soil."
ENGINEERED SAFETY FEATURE (ESF) RESPONSE TIME	The ESF RESPONSE TIME shall be that time interval from when the monitored parameter exceeds its ESF actuation setpoint at the channel sensor until the ESF equipment is capable of performing its safety function (i.e., the valves travel to their required positions, pump discharge pressures reach their required values, etc.). Times shall include diesel generator starting and sequence loading delays, where applicable. The response time may be measured by means of any series of sequential, overlapping, or total steps so that the entire response time is measured. In lieu of measurement, response time may be verified for selected components provided that the components and methodology for verification have been previously reviewed and approved by the NRC, or the components have been evaluated in accordance with an NRC approved methodology.
INSERVICE TESTING PROGRAM	The INSERVICE TESTING PROGRAM is the licensee program that fulfills the requirements of 10 CFR 50.55a(f).
L_a	The maximum allowable containment leakage rate, L_a , shall be 0.16% of containment air weight per day at the calculated peak containment pressure (P_a).

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MARCH 31, 2022

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