

July 2, 2020

Docket No.: 50-366

NL-20-0793

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant, Unit 2  
Correction of Technical Specification Typographical Error

- References:
1. ML19337C322, Joseph M. Farley Nuclear Plant, Units 1 and 2; Edwin I. Hatch Nuclear Plant, Unit Nos. 1 and 2; and Vogtle Electric Generating Plant, Units 1 and 2, Issuance of Amendments Regarding Revision to the Technical Specifications to Adopt TSTF-563, Revision 0, "Revise Instrument Testing Definitions to Incorporate the Surveillance Frequency Control Program" (EPID L-2019-LLA-0150), January 29, 2020
  2. ML18123A368, Edwin I. Hatch Nuclear Plant, Unit Nos. 1 and 2 – Issuance of Amendments to Adopt TSTF-542, Revision 2, "Reactor Pressure Vessel Water Inventory Control" (CAC Nos. MF9662 and MF9663; EPID L-2017-LLA-0215), May 31, 2018
  3. Proposed Guidance for Correction of Technical Specification Typographical Errors, SECY-96-238, November 19, 1996

Ladies and Gentlemen:

This letter requests Nuclear Regulatory Commission (NRC) approval of a correction of a typographical error in the Hatch Nuclear Plant (HNP) Unit 2 Technical Specifications (TS).

This error occurred during the processing of Unit 2 License Amendment 248 (Reference 1), where a typographical error was inadvertently introduced in the definition of Drain Time that was added to the TS in License Amendment 235 (Reference 2). The error was neither addressed in the notice to the public nor reviewed by the NRC, and thus falls within the scope of the guidance provided by SECY-96-238 (Reference 3).

Enclosure 1 describes the typographical error and correction. Enclosure 2 provides the Amendment 248 page as-issued, with the requested correction noted. Enclosure 3 contains the corrected Amendment 248 page.

This letter contains no NRC commitments. If you have any questions, please contact Tim Enfinger at 205.992.7924.

Respectfully submitted,

A handwritten signature in black ink that reads "Jamie Coleman". The signature is written in a cursive style with a large, looped initial "J".

Jamie Coleman  
Nuclear Licensing Manager

JMC/tle/scm

Enclosures:   1. Description of Technical Specification Typographical Error  
                  2. Marked-up Technical Specification Page  
                  3. Revised Technical Specification Page

Cc: Regional Administrator, Region II  
      NRR Project Manager – Hatch Nuclear Plant  
      Senior Resident Inspector – Hatch Nuclear Plant  
      RTYPE: CHA02.004

**Edwin I. Hatch Nuclear Plant, Unit 2  
Correction of Technical Specification Typographical Error**

**Enclosure 1**

**Description of Technical Specification Typographical Error**

Enclosure 1 to NL-20-0793  
Description of Technical Specification Typographical Error

1. Requested Action

Consistent with the information contained in SECY-96-238, Southern Nuclear Operating Company (SNC) is requesting correction of a typographical error that was inadvertently introduced into the Hatch Nuclear Plant (HNP) Unit 2 Technical Specifications (TS). The error was introduced by SNC staff in development of the license amendment request (LAR) submitted to the Nuclear Regulatory Commission (NRC) for HNP Unit 2 License Amendment 248. The page provided did not correctly reflect a TS change previously approved by the NRC with the issuance of Amendment 235.

2. Typographical Error

In the SNC application for Amendment 248, the Unit 2 definition of "DRAIN TIME" on TS page 1.1-2 had been inadvertently changed by SNC staff to read as follows (underline added to show the error):

DRAIN TIME The DRAIN TIME is the limit it would take for the water inventory...

The definition of "DRAIN TIME" should read as follows, identical to the Unit 1 definition:

DRAIN TIME The DRAIN TIME is the time it would take for the water inventory...

3. Correction to Affected Page

SECY-96-238 (Reference 3) provides guidance to correct inadvertent typographical errors in the Technical Specifications. The error described above was neither posted in the public notices nor was it reviewed by NRC as part of the license amendment process. Therefore, it may be corrected without a license amendment.

**Edwin I. Hatch Nuclear Plant, Unit 2  
Correction of Technical Specification Typographical Error**

**Enclosure 2**

**Marked-up Technical Specification Page**

1.1 Definitions (continued)

CHANNEL FUNCTIONAL TEST	A CHANNEL FUNCTIONAL TEST shall be the injection of a simulated or actual signal into the channel as close to the sensor as practicable to verify OPERABILITY, including required alarm, interlock, display, and trip functions, and channel failure trips. The CHANNEL FUNCTIONAL TEST may be performed by means of any series of sequential, overlapping, or total channel steps, and each step must be performed within the Frequency in the Surveillance Frequency Control Program for the devices included in the step.
CORE ALTERATION	<p>CORE ALTERATION shall be the movement of any fuel, sources, or reactivity control components within the reactor vessel with the vessel head removed and fuel in the vessel. The following exceptions are not considered to be CORE ALTERATIONS:</p> <ul style="list-style-type: none"> <li>a. Movement of source range monitors, local power range monitors, intermediate range monitors, traversing incore probes, or special movable detectors (including undervessel replacement); and</li> <li>b. Control rod movement, provided there are no fuel assemblies in the associated core cell.</li> </ul> <p>Suspension of CORE ALTERATIONS shall not preclude completion of movement of a component to a safe position.</p>
CORE OPERATING LIMITS REPORT (COLR)	The COLR is the unit specific document that provides cycle specific parameter limits for the current reload cycle. These cycle specific limits shall be determined for each reload cycle in accordance with Specification 5.6.5. Plant operation within these limits is addressed in individual Specifications.
DOSE EQUIVALENT I-131	DOSE EQUIVALENT I-131 shall be that concentration of I-131 (microcuries/gram) that alone would produce the same Committed Effective Dose Equivalent as the quantity and isotopic mixture of I-131, I-132, I-133, I-134, and I-135 actually present. The dose conversion factors used for this calculation shall be those listed in Federal Guidance Report (FGR) 11, "Limiting Values of Radionuclide Intake and Air Concentration and Dose Conversion Factors for Inhalation, Submersion, and Ingestion," 1988.
DRAIN TIME	<p>The DRAIN TIME is the <del>limit</del> <span style="border: 1px solid red; padding: 2px;">time</span> it would take for the water inventory in and above the Reactor Pressure Vessel (RPV) to drain to the top of the active fuel (TAF) seated in the RPV assuming:</p> <ul style="list-style-type: none"> <li>a. The water inventory above the TAF is divided by the limiting drain rate;</li> <li>b. The limiting drain rate is the larger of the drain rate through a single penetration flow path with the highest flow rate, or the sum of the drain rates through multiple penetration flow paths</li> </ul>

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**Edwin I. Hatch Nuclear Plant, Unit 2  
Correction of Technical Specification Typographical Error**

**Enclosure 3**

**Revised Technical Specification Page**

1.1 Definitions (continued)

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CHANNEL FUNCTIONAL TEST	A CHANNEL FUNCTIONAL TEST shall be the injection of a simulated or actual signal into the channel as close to the sensor as practicable to verify OPERABILITY, including required alarm, interlock, display, and trip functions, and channel failure trips. The CHANNEL FUNCTIONAL TEST may be performed by means of any series of sequential, overlapping, or total channel steps, and each step must be performed within the Frequency in the Surveillance Frequency Control Program for the devices included in the step.
CORE ALTERATION	<p>CORE ALTERATION shall be the movement of any fuel, sources, or reactivity control components within the reactor vessel with the vessel head removed and fuel in the vessel. The following exceptions are not considered to be CORE ALTERATIONS:</p> <ul style="list-style-type: none"> <li>a. Movement of source range monitors, local power range monitors, intermediate range monitors, traversing incore probes, or special movable detectors (including undervessel replacement); and</li> <li>b. Control rod movement, provided there are no fuel assemblies in the associated core cell.</li> </ul> <p>Suspension of CORE ALTERATIONS shall not preclude completion of movement of a component to a safe position.</p>
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DOSE EQUIVALENT I-131	DOSE EQUIVALENT I-131 shall be that concentration of I-131 (microcuries/gram) that alone would produce the same Committed Effective Dose Equivalent as the quantity and isotopic mixture of I-131, I-132, I-133, I-134, and I-135 actually present. The dose conversion factors used for this calculation shall be those listed in Federal Guidance Report (FGR) 11, "Limiting Values of Radionuclide Intake and Air Concentration and Dose Conversion Factors for Inhalation, Submersion, and Ingestion," 1988.
DRAIN TIME	<p>The DRAIN TIME is the time it would take for the water inventory in and above the Reactor Pressure Vessel (RPV) to drain to the top of the active fuel (TAF) seated in the RPV assuming:</p> <ul style="list-style-type: none"> <li>a. The water inventory above the TAF is divided by the limiting drain rate;</li> <li>b. The limiting drain rate is the larger of the drain rate through a single penetration flow path with the highest flow rate, or the sum of the drain rates through multiple penetration flow paths</li> </ul>

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