



Brunswick Nuclear Plant
8470 River Rd SE
Southport, NC 28461

March 27, 2021
Serial: RA-21-0113

10 CFR 50.4(b)(5)(ii)
10 CFR 50.54(q)(5)
10 CFR 72.4

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

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Renewed Facility Operating License Nos. DPR-71 and DPR-62
Docket Nos. 50-325 and 50-324
Revision to Radiological Emergency Response Plan

Ladies and Gentlemen:

In accordance with 10 CFR 50.4(b)(5)(ii), 10 CFR 50.54(q)(5), and 10 CFR 72.4, Duke Energy Progress, LLC (Duke Energy), is submitting an analysis summary for Revision 96 of OERP, *Radiological Emergency Response Plan (ERP)*.

Duke Energy has evaluated this revision in accordance with 10 CFR 50.54(q) and determined that it does not result in a reduction in the effectiveness of the ERP. The ERP continues to meet the standards of 10 CFR 50.47(b) and the requirements of 10 CFR 50, Appendix E.

This document contains no regulatory commitments.

Please refer any questions regarding this submittal to Mr. Stephen Yodersmith, Brunswick Regulatory Affairs, at (910) 832-2568.

Sincerely,

A handwritten signature in black ink, appearing to read 'Sabrina Salazar', with a stylized, flowing script.

Sabrina Salazar
Manager – Nuclear Support Services
Brunswick Steam Electric Plant

Enclosure: 10 CFR 50.54(q)(5) Summary for OERP, Revision 96

cc (with Enclosure):

Ms. Laura Dudes, NRC Regional Administrator, Region II
Mr. Andrew Hon, NRC Project Manager
Mr. Gale Smith, NRC Senior Resident Inspector
Mr. John Nguyen, NRC
Director Spent Fuel Management Division, NRC Nuclear Material Safety / Safeguards Office
Chair - North Carolina Utilities Commission

10 CFR 50.54(q)(5) Summary for 0ERP, Revision 96

In accordance with 10 CFR 50.54(q)(5), Duke Energy Progress, LLC, is providing a summary of the revision analysis for 0ERP, *Radiological Emergency Response Plan (ERP)*, Revision 96, which became effective on March 17, 2021.

In addition to minor editorial changes, changes to the ERP are associated with removing the Generation Supply Chain Liaison (GSCL) from the Emergency Plan and relocating GSCL functions, that were not previously duplicated, to other positions. These additional functions can be conducted without impacting the timeliness of other functions already assigned to these positions. The ERO continues to be staffed to augment initial response on a continuous basis.

The changes implemented by 0ERP, Revision 96, were evaluated in accordance with 10 CFR 50.54(q). The evaluation concluded that these changes do not result in a reduction in the effectiveness of the ERP; the ERP continues to meet the standards of 10 CFR 50.47(b) and the requirements of 10 CFR 50, Appendix E. As such, there is no impact to compliance, adherence, or effectiveness of the Emergency Plan.

Reference: EREG AR Number 2373065