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Gary R. Peterson
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February 14, 2002

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

SUBJECT: Duke Energy Corporation
Catawba Nuclear Station Unit (s) 1 and 2
Docket Numbers 50-413 and 50-414
Planned Revision to Proposed Amendment for
Partial Scope Implementation of the Alternate
Source Term

REFERENCE: Duke Energy Corporation
Catawba Nuclear Station Unit (s) 1 and 2
Docket Numbers 50-413 and 50-414
Proposed Amendment for Partial Scope
Implementation of the Alternate Source Term and
Proposed Amendment to Technical Specifications
(TS) 3.7.10, Control Room Area Ventilation
System, TS 3.7.11, Control Room Area Chilled
Water System, TS 3.7.13, Fuel Handling
Ventilation Exhaust System, and TS 3.9.3,
Containment Penetrations

On December 20, 2001, Duke Energy Corporation submitted a License Amendment Request for the Catawba Nuclear Station Facility Operating Licenses and Technical Specifications. The changes being proposed in the License Amendment Request are based on a revised radiological dose consequence analysis of a postulated fuel handling accident and weir gate drop accident. Partial implementation of an alternate source term was requested in accordance with the

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requirements of 10 CFR 50.67 and relevant guidance provided in Regulatory Guide 1.183.

In the original submittal, Duke Energy Corporation used separate decontamination factors for elemental and organic species of iodine, based on our interpretation of the regulatory positions in Regulatory Guide 1.183, Appendix B, *Assumptions for Evaluating the Radiological Consequences of a Fuel Handling Accident*. Additionally, Duke Energy Corporation has supported the assumption of an elemental iodine decontamination factor of 500 based on our fuel pool specific evaluation of vendor research results. This approach is consistent with the guidance values specified in Appendix B regarding iodine release fractions from the pool.

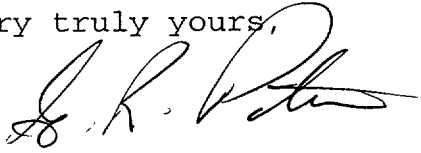
However, as a result of subsequent conversations with the NRC Staff, we have concluded that the review of our submittal could be expedited if our analyses used a more conservative overall effective iodine decontamination factor of 200, also described in Appendix B of Regulatory Guide 1.183. This approach would eliminate the need for a detailed review of our supporting calculations and analyses as part of the approval process for this License Amendment Request.

The purpose of this letter is to inform you that Duke Energy Corporation intends to re-calculate the radiological consequences of the fuel handling accident and the weir gate drop accident using the overall effective decontamination factor of 200. Based on a preliminary evaluation, the revised consequences are expected to be within guideline values, and the conclusions in the No Significant Hazards Consideration previously submitted remain valid. The results of the final calculation will be submitted as a supplement to the original License Amendment Request in early March 2002.

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Inquiries on this matter should be directed to M.H.
Chernoff at (803) 831-3414.

Very truly yours,

A handwritten signature in black ink, appearing to read "G.R. Peterson". The signature is written in a cursive style with a large, looping initial "G".

G.R. Peterson

Attachments

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xc:

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