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February 16, 2009

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U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC
William States Lee III Nuclear Station - Docket Nos. 52-018 and 52-019
AP1000 Combined License Application for the
William States Lee III Nuclear Station Units 1 and 2
Response to Request for Additional Information
Ltr# WLG2009.2-06

Reference: Letter from L.M. Tello (NRC) to B.J. Dolan (Duke Energy), *Request for Additional Information Regarding the Environmental Review of the Combined License Application for William States Lee III Nuclear Station, Units 1 and 2*, dated January 21, 2009

This letter provides the Duke Energy response to the Nuclear Regulatory Commission's (NRC) request for the following additional information (RAI) item listed in the reference letter:

RAI 115, Terrestrial Ecology

The response to this NRC request is addressed in the enclosure, which also identifies any associated changes that will be made in a future revision of the William States Lee III Nuclear Station application.

If you have any questions or need any additional information, please contact Peter S. Hastings at 980-373-7820.

Bryan J. Dolan
Vice President
Nuclear Plant Development

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WPO


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Enclosure:

1. Response to RAI 115, Terrestrial Ecology


AFFIDAVIT OF BRYAN J. DOLAN

Bryan J. Dolan, being duly sworn, states that he is Vice President, Nuclear Plant Development, Duke Energy Carolinas, LLC, that he is authorized on the part of said Company to sign and file with the U. S. Nuclear Regulatory Commission this supplement to the combined license application for the William States Lee III Nuclear Station and that all the matter and facts set forth herein are true and correct to the best of his knowledge.



Bryan J. Dolan

Subscribed and sworn to me on February 16, 2009



Notary Public

My commission expires: April 19, 2010



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xc (wo/enclosure):

Loren Plisco, Deputy Regional Administrator, Region II
Stephanie Coffin, Branch Chief, DNRL
Robert Schaaf, Branch Chief, DSER

xc (w/enclosure):

Linda Tello, Project Manager, DSER
Brian Hughes, Senior Project Manager, DNRL

Lee Nuclear Station Response to Request for Additional information (RAI)

RAI Letter Dated: January 21, 2009

Reference NRC RAI Number: ER RAI-115

NRC RAI:

Identify the contaminants found in the stained soil, the location of the stained soils, applicable clean-up levels and/or their concentrations prior to and after site clean-up.

The response to RAI 67 discussed information on disposal of stained soil identified during the Phase 1 survey. The response did not identify the contaminants or provide details on the location of the stained soil or contaminant concentrations before and after clean-up.

Duke Energy Response:

Removal of stained soil occurred in 2007-2008 as part of the remediation of the Cherokee Nuclear Site. Consequently, the activities described below are not part of the Federal action evaluated in the Lee Nuclear Station Environmental Report, because they occurred prior to any construction activities that will occur for the Lee Nuclear Station.

Petroleum stained/impacted soils were excavated and disposed from various locations at the site based on visual observations. Concentrations of petroleum were not determined prior to soil excavation. Excavations were made at the following locations (see Attachment 115-1, Figure 1):

- Location A:** Large stained soil area immediately west of the Cherokee Site Motor Pool area.
- Location B:** Stained soil area at the northwest corner of the Cherokee Site Motor Pool area.
- Location C:** Small stained soil area on the east side (rear) of the Storage Shed.
- Location D:** Small stained soil area on the west side of the Cabinet Shop.
- Location E:** Small stained soil area on the east side of the Cabinet Shop.
- Location F:** Petroleum impacted soils beneath drums southwest of the Cherokee Site Motor Pool area.

For each of the locations indicated above and illustrated in Attachment 115-1, the affected soil was removed to the extent specified in South Carolina guidelines for contaminated soil. For Locations A through E, U.S. Environmental Protection Agency Methods 8260B and 8270C were used to confirm that no detectable volatile organic compounds remained. Because the depth of the excavation at Location F prevented collection of a sample without jeopardizing personnel safety, Location F was verified to be clean based on the lack of additional staining and the absence of perceptible petroleum odors. Petroleum contaminated soil was disposed in the Duke Energy - McGuire Nuclear Station landfill facility.

Associated Revisions to the Lee Nuclear Station Combined License Application:

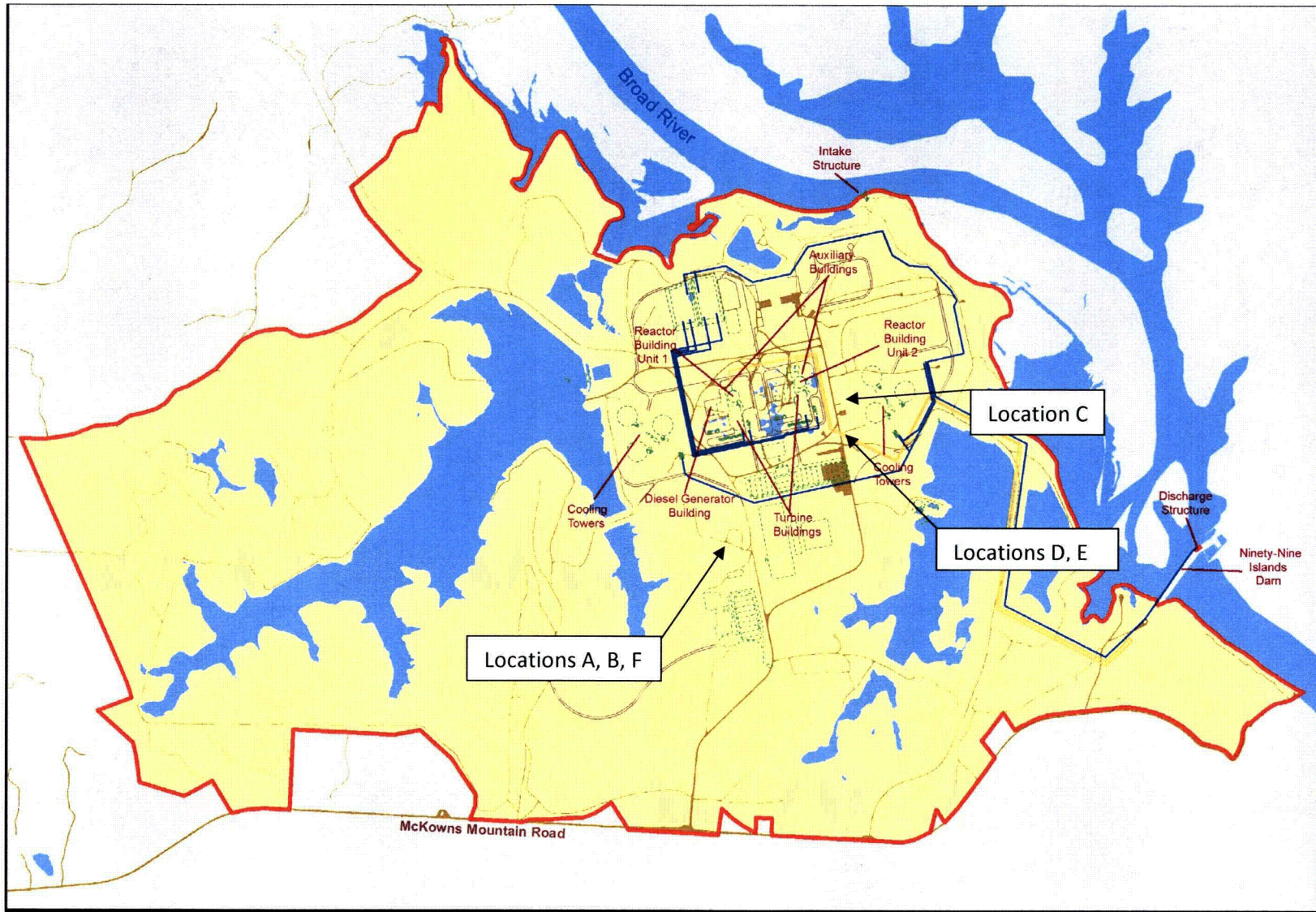
None

Associated Attachment:

Attachment 115-1 Figure 1. Location of Stained Soils

Attachment 115-1

Figure 1. Location of Stained Soils



Legend

- Wastewater Lines — Proposed Roads — Site Boundary
- Radwaste Lines — Proposed Structures ■ Existing Roads

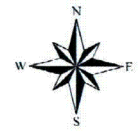
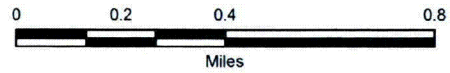


Figure 1. Location of Stained Soils