Bryan J. Dolan
VP, Nuclear Plant Development

Duke Energy
EC09D/ 526 South Church Street
Charlotte, NC 28201-1006

Mailing Address:
P.O. Box 1006 – EC09D
Charlotte, NC 28201-1006

704-382-0605

Bryan.Dolan@duke-energy.com

October 16, 2009

Document Control Desk
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# WLG2009.10-01

Reference: Letter from B.J. Dolan to Document Control Desk, Duke Energy Carolinas, LLC, William States Lee III Nuclear Station - Docket Nos. 52-018 and 52-019; Revision 1 to the Environmental Report (Part 3) and Revision 2 to Withheld Information (Part 9) for William States Lee III Nuclear Station Units 1 and 2 Combined License Application, dated March 30, 2009, ML090990081

This letter provides supplemental information to the Duke Energy response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI):

Clarification of Environmental Report Table 4.4-2

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, Nuclear Plant Development Licensing Manager, at 980-373-7820.

Bryan J. Dolan
Vice President
Nuclear Plant Development

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NRO

Enclosure:

1) Clarification of Environmental Report Table 4.4-2

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

Bryan J. Dolan

Subscribed and sworn to me on October 16, 2009

Notary Public

My commission expires: April 19, 2010

SEAL

KIM N. BLAYS
NOTARY PUBLIC
CATAWBA COUNTY, N.C.

xc (w/o enclosure):

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

xc (w/ enclosure):

Michelle Moser, Project Manager, DSER
Brian Hughes, Senior Project Manager, DNRL

Enclosure No. 1
Duke Letter Dated: October 16, 2009

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

RAI Letter Dated: NA – Teleconference, September 4, 2009

Reference NRC RAI Numbers: NA

NRC RAI:

On a teleconference with NRC and Duke Energy, NRC requested clarification of the information presented in Environmental Report Table 4.4-2.

Duke Energy Response:

Environmental Report Table 4.4-2 presents information on indirect jobs created by the in-migration of construction workers and operation workers during construction of the Lee Nuclear Station. Table 4.4-2 was revised to provide clarifications requested by NRC.

Associated Revisions to the Lee Nuclear Station Combined License Application:

1. Revise COLA Part 3, ER Chapter 4, List of Tables, as follows:

LIST OF TABLES

Number	Title
4.3-1	Cover Types to be Cleared During Construction at the Lee Nuclear Site
4.4-1	Attenuated Noise Levels (dBA) Expected from Construction Equipment
4.4-2	Impacts of the On-Site In-Migrating Workforce During Peak Construction Phase on Cherokee and York Counties
4.4-3	Trends in Cherokee and York Counties Housing Growth
4.5-1	Construction Worker χ/Q and D/Q values
4.5-2	Construction Worker Dose Comparison to 10 CFR 20.1301 Criteria
4.5-3	Comparison With 10 CFR Part 50 Appendix I, Criteria for Effluent Doses
4.5-4	Comparison of Construction Worker Dose From Gaseous Effluent Discharges to 40 CFR Part 190 Criteria
4.6-1	Summary of Measures and Controls to Limit Adverse Impacts during Construction
4.8-1	Summary of Construction- and Preconstruction-Related Impacts for Safety-Related Structures, Systems, or Components

2. Revise COLA Part 3, ER Chapter 4, Subsection 4.4.2.2, Paragraph 2, as follows:

   The in-migration of construction workers is likely to create new indirect service jobs in the area and to increase~~s~~ the amount of money used to purchase goods and services. The U.S. Department of Commerce Bureau of Economic Analysis, Economics and Statistics Division provides multipliers for industry jobs, earnings, and expenditures. The economic model used is the regional input-output modeling system (RIMS II). This model is based on benchmark national input/output multipliers and incorporates buying and selling linkages among regional industries to create multipliers for ~~both~~ jobs and monetary expenditures. The resulting multipliers were used to estimate the number of indirect jobs and expenditure of money in Cherokee and York counties. For every in-migrating construction worker, an estimated additional ~~0.455~~ 0.45 indirect job is created in the two counties. For every in-migrating operation worker, an estimated additional 0.95 indirect job is created in the two counties (Table 4.4-2) (Reference 2).

3. Revise COLA Part 3, ER Chapter 4, Table 4.4-2, as follows:

Enclosure No. 1
Duke Letter Dated: October 16, 2009

TABLE 4.4-2

IMPACTS OF THE ON-SITE IN-MIGRATING WORKFORCE DURING PEAK CONSTRUCTION PHASE ON CHEROKEE AND YORK COUNTIES

Demographic	AP1000 2 Units
~~In-Migrating~~ Total Construction Workforce at Peak	4398
~~In-Migrating~~ Total Operation Workforce at Peak	114
In-migrating Construction Workforce at Peak [b]	3079
In-migrating Operation Workforce at Peak [b]	41
Total In-migrating Workforce at Peak	3120
Indirect Jobs from In-migrating Construction Workforce at Peak [b]	1385
Indirect Jobs from In-migrating Operation Workforce at Peak [b]	39
Total Indirect Jobs from In-migrating Workforce at Peak	1424
2004 Unemployment[a]	
Two County Area	8988
Cherokee County	2253
York County	6735
Total Number of Indirect Jobs as a Percentage of Unemployed Population	16%
New Residents	
Region	5552
Cherokee County (50%)	2776
York County (50%)	2776

a) See Table 2.5-11
b) Values are based on 70 percent in-migrating construction workforce, 36 percent in-migrating operation workforce, and RIMS II Multipliers. See Subsection 4.4.2.1 and 4.4.2.2.

Associated Attachments/Enclosures:

None