



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

July 21, 2010

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
Editorial Corrections to Revision 2 of the William States Lee III Nuclear
Station Units 1 and 2 Combined License Application
Ltr # WLG2010.07-05

Reference: Letter from Bryan J. Dolan (Duke Energy) to NRC Document Control
Desk, *Update for William States Lee III Nuclear Station Units 1 and 2
Combined License Application*, dated February 25, 2010.
(ML100620745)

In the referenced letter Duke Energy submitted revision 2 of the William States Lee III Nuclear Station Units 1 and 2 Combined License Application. Subsequent to the submittal it was determined that Part 2, FSAR Chapter 10, Tables 10.4-201 and 10.4-202 were inadvertently omitted from the submittal. These tables were not revised in the revision 2 submittal and are included as Enclosure No. 1 to this letter. Further, a typographical error was identified in Part 2, FSAR Chapter 2, Table 2.4.12-204 for the citation of Median Hydraulic Conductivity (K) for Saproliite/Soil (K_h). The corrected table is included as Enclosure No. 2 of this letter.

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

D093
NLO

Document Control Desk
July 21, 2010
Page 2 of 4

Enclosures:

- 1) Part 2, FSAR Chapter 10, Tables 10.4-201 and 10.4-202
- 2) Correction to Part 2, FSAR Chapter 2, Table 2.4.12-204

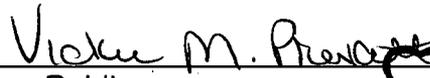
AFFIDAVIT OF BRYAN J. DOLAN {center}

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.

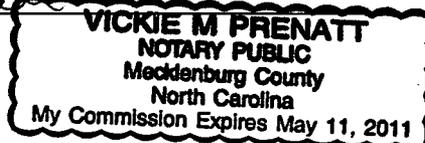


Bryan J. Dolan

Subscribed and sworn to me on July 21st, 2010



Notary Public



My commission expires: _____ 5-11-11

SEAL

Document Control Desk
July 21, 2010
Page 4 of 4

xc (w/o enclosures):

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

xc (w/enclosures):

Brian Hughes, Senior Project Manager, DNRL

TABLE 10.4-201
SUPPLEMENTAL MAIN CONDENSER DESIGN DATA

Condenser Data

WLS CDI	Circulating water flow	550,000 gpm
---------	------------------------	-------------

Note: This table supplements DCD Table 10.4.1-1.

WLS COL 10.4-1

TABLE 10.4-202
DESIGN PARAMETERS FOR MAJOR CIRCULATING WATER
SYSTEM COMPONENTS ^(a)

Circulating Water Pump	
Quantity	Three per unit
Flow rate (gal/min)	190,000 ^(b)
Mechanical Draft Cooling Towers	
Quantity	Three per unit
Approach temperature (°F)	10
Inlet temperature (°F)	116.2 ^(b)
Outlet temperature (°F)	91
Approximate temperature range (°F)	25.2
Flow rate (gal/min)	560,050 ^(b)
Heat transfer (Btu/hr)	7,628 x 10 ⁶
Wind velocity design (mph)	110
Seismic design criteria per Uniform Building Code	

a) This table replaces DCD Table 10.4.5-1.

b) WLS site-specific values; all other values are the same as those provided in the DCD.

WLS COL 2.4-4

TABLE 2.4.12-204
 AQUIFER CHARACTERISTICS

Hydraulic Conductivity (K)					
Material	Minimum	Median	Conservative Estimate	Maximum	Source
Saprolite/Soil K_v	2.45×10^{-8}	2.10×10^{-6}	4.4×10^{-5}	2.55×10^{-4}	1973 investigation laboratory analyses.
Saprolite/Soil K_h	9.67×10^{-7}	1.14×10^{-5}	4.5×10^{-4}	2.26×10^{-3}	1973 investigation field tests and 2006 slug tests.
Bedrock - PWR K_h	9.67×10^{-7}	1.54×10^{-4}	1.4×10^{-3}	9.89×10^{-3}	1973 investigation packer tests and 2006 slug, aquifer, and packer tests.
Undifferentiated Material	2.21×10^{-4}	4.10×10^{-4}	2.6×10^{-3}	3.90×10^{-3}	1973 aquifer tests.
Fill Material	4.22×10^{-5}	7.00×10^{-5}	1.2×10^{-4}	1.81×10^{-4}	2006 slug tests.

Units are in centimeters per second (cm/sec).
 PWR - Partially weathered rock.
 K_v - Vertical hydraulic conductivity.
 K_h - Horizontal hydraulic conductivity.

Conservative Estimate - The geometric mean of samples exceeding the median.
 Conservative Estimate for Bedrock K_h was obtained from results of 2006 pump test.
 Conservative Estimates were used to calculate the groundwater velocity.
 Undifferentiated Material - Identification used for 1973 data where well screens bracketed the entire saturated zone, and did not differentiate between the fill material, soil, saprolite, or partially weathered rock.