Southern Nuclear
Operating Company, Inc.
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SOUTHERN COMPANY

JUL 30 2010

Docket Nos.: 52-025
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ND-10-1473

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

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4 Combined License Application
Voluntary Revision to Final Safety Analysis Report Chapter 6

Ladies and Gentlemen:

By letter dated March 28, 2008, Southern Nuclear Operating Company (SNC) submitted an application for combined licenses (COLs) for proposed Vogtle Electric Generating Plant (VEGP) Units 3 and 4 to the U.S. Nuclear Regulatory Commission (NRC) for two Westinghouse AP1000 reactor plants. SNC is supplementing the COL application by providing additional changes to Chapter 6 of the Final Safety Analysis Report (i.e., Part 2 of the COL application) to address recently identified revisions to the information provided in Westinghouse AP1000 Design Control Document (DCD) Chapters 2 and 6. The enclosure to this letter describes the changes to Chapter 6 of the Final Safety Analysis Report (FSAR).

If you have any questions regarding this letter, please contact Mr. Wes Sparkman at (205) 992-5061 or Ms. Amy Aughtman at (205) 992-5805.

A053
NRO

Mr. C. R. Pierce states he is the AP1000 Licensing Manager of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

Charles R. Pierce

Sworn to and subscribed before me this 30th *day of* July, *2010*

Notary Public: Dana Marie Williams

My commission expires: 12/29/2010

CRP/BJS

Enclosure: VEGP Units 3 and 4 COL Application - Voluntary Revision to FSAR Chapter 6

cc: Southern Nuclear Operating Company
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Southern Nuclear Operating Company

ND-10-1473

Enclosure

VEGP Units 3 and 4 COL Application –

Voluntary Revision to FSAR Chapter 6

NuStart Qb Tracking No. 4162

STD COL 06.04-01

Westinghouse recently responded to RAI-SRP2.2-RSAC-01 Revision 1 via letter DCP_NRC_002897, as submitted May 28, 2010. The response to the Design Control Document (DCD) RAI included a revision to DCD information related to the COL information item identified in DCD Subsection 6.4.7 on control room habitability. In particular:

The subject letter revised DCD Table 6.4-1 to identify the hydrogen gas location as "Yard at turbine building" which is slightly different than the location identified by the Standard portion of the COL application FSAR Table 6.4-201 as revised by the response to BLN-RAI-COL-169. The FSAR table will be appropriately updated to conform to the DCD information, i.e., the "Corner of Auxiliary and Turbine buildings" will be revised to read "Yard at turbine building" in the "Evaluated Location" column.

The subject letter identified that Westinghouse considered two different volumes of liquid hydrogen with 1500 gallons being the primary evaluation and 2000 gallons being presented as a basis of comparison only. Thus, the Standard portion of the COL application FSAR Table 6.4-201 (as revised by the response to BLN-RAI-COL-169) will be appropriately updated to conform to the DCD information, i.e., the 2000 gal value will be revised to 1500 gal in the "Evaluated Maximum Quantity" column.

Additionally, the Staff has requested that the following additional comments be addressed:

a) Provide a basis for not evaluating until a peak concentration is identified.
b) Provide a basis for not evaluating wind speeds less than 1 m/sec.
c) Provide an indication of which evaluations address wake effects.

Information to address these items will be provided in response to VEGP RAI Letter 061.

The proposed changes discussed in the COL Application Revisions section below will be included in a future COL application revision.

This response is expected to be STANDARD for each S-COLA.

Associated VEGP COL Application Revisions:

1. COLA Part 2, FSAR Chapter 6, Section 6.4, standard portion of table of toxic chemical evaluations (VEGP Table 6.4-201) as modified by the response to BLN-RAI-LTR-169 will be further revised in the Standard Onsite Toxic Chemicals listing for the Hydrogen Gas from "Corner of the Auxiliary and Turbine buildings" to read "Yard at turbine building" in the "Evaluated Location" column.

2. COLA Part 2, FSAR Chapter 6, Section 6.4, standard portion of table of toxic chemical evaluations (VEGP Table 6.4-201) as modified by the response to BLN-RAI-LTR-169 will be further revised in the Standard Onsite Toxic Chemicals listing for the Hydrogen Liquid from "2000 gal" to read "1500 gal" in the "Evaluated Maximum Quantity" column.