

Jeffrey B. Archie
Vice President, Nuclear Operations
803.345.4214



November 16, 2005

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

ATTN: Mr. R. E. Martin

Dear Sir / Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS)
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
UPDATE TO EMERGENCY RESPONSE DATA SYSTEM
DATA POINT LIBRARY

South Carolina Electric & Gas Company is submitting an update to the VCSNS Emergency Response Data System (ERDS) Data Point Library. Attached is a summary of the changes accompanied by the updated data sheets.

Should you have any questions, please call Mr. Robert Sweet at (803) 345-4080.

Very truly yours,

A handwritten signature in black ink, appearing to read "Jeffrey B. Archie", is written over the typed name.

Jeffrey B. Archie

JT/JBA/dr
Attachment

c: N. O. Lorick
S. A. Byrne
N. S. Carns
G. S. Champion (w/o attachment)
R. J. White
W. D. Travers
R. E. Martin
NRC Resident Inspector
K. M. Sutton
D. H. Carroll
NSRC
RTS (NL Activity 112)
File (811.10)
DMS (RC-05-0192)

A026

Summary of ERDS Data Point Library Entry Changes

- 1) Page 54 - Changed Wind Speed Point ID
- 2) Page 55 - Changed Wind Direction Point ID
- 3) Page 56 - Changed Atmospheric Stability Class Point ID

DATE : 10/27/05
REACTOR UNIT : VS1
DATA FEEDER : N/A
NRC ERDS PARAMETER : WIND SPEED
POINT ID : M9201
PLANT SPEC POINT DESC. : 10 METERS WIND SPEED
GENERIC/COND. DESC. : WIND SPEED AT THE REACTOR SITE
ANALOG/DIGITAL : A
ENGR UNITS/DIG STATES : MPH
ENGR UNITS CONVERSION : LINEAR CONVERSION
MINIMUM INSTR. RANGE : 0.0
MAXIMUM INSTR. RANGE : 125.0
ZERO POINT REFERENCE : N/A
REFERENCE POINT NOTES : N/A
PROC OR SENS : S
NUMBER OF SENSORS : 2
HOW PROCESSED : N/A
SENSOR LOCATIONS : 10 METERS ON THE PRIMARY MET TOWER
ALARM/TRIP SET POINTS : NONE
NI DET. POWER CUT OFF : N/A
NI DET. POWER CUT ON : N/A
INSTR. FAILURE MODE : LOW
DP XMITTER TEMP. COMP. : N
LEVEL REFERENCE LEG : N/A

UNIQUE SYSTEM DESCRIPTION

Measures the wind speed at the primary meteorological monitoring
station at the 10 meter level.

DATE : 10/27/05
REACTOR UNIT : VS1
DATA FEEDER : N/A
NRC ERDS PARAMETER : WIND DIR
POINT ID : M9200
PLANT SPEC POINT DESC.: 10 METER WIND DIRECTION
GENERIC/COND. DESC. : WIND DIR AT THE REACTOR SITE
ANALOG/DIGITAL : A
ENGR UNITS/DIG STATES : DEG
ENGR UNITS CONVERSION : LINEAR CONVERSION
MINIMUM INSTR. RANGE : 0.0
MAXIMUM INSTR. RANGE : 360.0
ZERO POINT REFERENCE : N/A
REFERENCE POINT NOTES : N/A
PROC OR SENS : S
NUMBER OF SENSORS : 2
HOW PROCESSED : N/A
SENSOR LOCATIONS : 10 METERS ON THE PRIMARY MET TOWERS
ALARM/TRIP SET POINTS : NONE
NI DET. POWER CUT OFF : N/A
NI DET. POWER CUT ON : N/A
INSTR. FAILURE MODE : LOW
DP XMITTER TEMP. COMP.: N
LEVEL REFERENCE LEG : N/A

UNIQUE SYSTEM DESCRIPTION

Measures the wind direction at the primary meteorological
monitoring station at the 10 meter level.

DATE : 10/27/05
REACTOR UNIT : VS1
DATA FEEDER : N/A
NRC ERDS PARAMETER : STAB CLASS
POINT ID : M9204
PLANT SPEC POINT DESC.: 61 - 10 METER DELTA T
GENERIC/COND. DESC. : AIR STABILITY AT REACTOR SITE
ANALOG/DIGITAL : A
ENGR UNITS/DIG STATES : DEGF
ENGR UNITS CONVERSION : LINEAR CONVERSION
MINIMUM INSTR. RANGE : -7.0
MAXIMUM INSTR. RANGE : 18.0
ZERO POINT REFERENCE : N/A
REFERENCE POINT NOTES : N/A
PROC OR SENS : S
NUMBER OF SENSORS : 2
HOW PROCESSED : N/A
SENSOR LOCATIONS : PRIMARY MET TOWER
ALARM/TRIP SET POINTS : NONE
NI DET. POWER CUT OFF : N/A
NI DET. POWER CUT ON : N/A
INSTR. FAILURE MODE : LOW
DP XMITTER TEMP. COMP.: N
LEVEL REFERENCE LEG : N/A

UNIQUE SYSTEM DESCRIPTION

A delta temperature is derived electronically from the 61 meter and 10 meter temperature elements at the primary meteorological station. The 61-10 meter delta T provides an indication of atmospheric stability class (Pasquill Category) as follows:

Pasquill Category	Stability Class	61-10 Meter Delta T (DEGF)
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A	Extremely Unstable	-1.75 or less
B	Moderately Unstable	from -1.74 to -1.56
C	Slightly Unstable	from -1.55 to -1.38
D	Neutral	from -1.37 to -0.46
E	Slightly Stable	from -0.45 to +1.37
F	Moderately Stable	from +1.38 to +3.67
G	Extremely Stable	+3.67 or greater