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Energy to Serve Your WorldSM

LCV-1391

November 11, 1999

Docket Nos. 50-424
50-425

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

Ladies and Gentlemen:

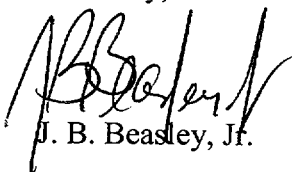
VOGTLE ELECTRIC GENERATING PLANT
EMERGENCY RESPONSE DATA SYSTEM (ERDS)
UNIT 2 DATA POINT LIBRARY MODIFICATION

In accordance with the requirements of 10 CFR 50, Appendix E, Section VI, Item 3a, Southern Nuclear Operating Company is submitting changes to the Vogtle Electric Generating Plant Unit 2 Emergency Response Data System (ERDS) data point library. The changes were completed on October 15, 1999, while Unit 2 was shut down for a refueling outage. This submittal is required within 30 days after the changes have been completed.

The data points UV0031 and UV0035 (validated source range neutron flux and validated intermediate range neutron flux respectively) were revised to reflect the replacement of the Westinghouse source and intermediate range nuclear instrumentation with the Gamma-Metrics neutron flux monitoring system. Marked-up and printed copies of the changes are attached.

If you have any questions, please contact this office.

Sincerely,


J. B. Beasley, Jr.

JBB/RJF

A026

Attachments (4): Marked-up and printed changes to the Unit 2 ERDS data point library.

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cc: Southern Nuclear Operating Company
Mr. J. T. Gasser
Mr. M. Sheibani
SNC Document Management

U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. R. R. Assa, Licensing Project Manager, NRR
Mr. J. Zeiler, Senior Resident Inspector, Vogtle

Date : ~~07/05/94~~ 10/15/99
Reactor Unit : VO2
Data Feeder : N/A
NRC ERDS Parameter : NI INTER RNG
Point ID : UV0035
Plant Spec. Point : VALIDATED NEUTRON FLUX INTERMEDIATE RNG
Generic/Cond. : NUCLEAR INSTRUMENTS, INT RANGE
Analog/Digital : A
Engr. Units/Dig : ~~AMPS~~ %
Engr. Units : ~~1.0E-11 to 1.0E-03 AMPS~~ 4.69E-10 to 2.0E+2 %
Minimum Instr. : ~~1.0E-11~~ 4.69E-10
Maximum Instr. : ~~1.0E-3~~ 2.0E+2
Zero Point : N/A
Reference Point : N/A
Proc or Sens. : P
Number of Sensors : 2
How Processed : VALIDATED AVERAGE
Sensor Locations : ADJACENT TO OUTSIDE OF REACTOR VESSEL
Alarm/Trip Setpoints : NONE
NI Power Cut Off : N/A
NI Power Turn On : N/A
Instrument Failure : N/A
Temp. Comp. : N
Level Reference : N/A

Unique System

This point represents the validated average of the intermediate range NI detectors. Only valid inputs are used in the calculation. Invalid inputs are discarded prior to performance of the calculation. If no valid inputs are present, this point is marked invalid. The intermediate range detectors are located externally to the reactor vessel.

Date : ~~07/05/94~~10/15/99
Reactor Unit : VO2
Data Feeder : N/A
NRC ERDS Parameter : NI SOURC RNG
Point ID : UV0031
Plant Spec. Point : VALIDATED NEUTRON FLUX SOURCE RANGE
Generic/Cond. : NUCLEAR INSTRUMENTS, SOURCE RNG
Analog/Digital : A
Engr. Units/Dig : CPS
Engr. Units : ~~1.00.09~~ to 1.0E+6 CPS
Minimum Instr. : ~~1.00.09~~
Maximum Instr. : 1000000.0
Zero Point : N/A
Reference Point : N/A
Proc or Sens. : P
Number of Sensors : 2
How Processed : VALIDATED AVERAGE
Sensor Locations : ADJACENT TO OUTSIDE OF REACTOR VESSEL
Alarm/Trip Setpoints : NONE
NI Power Cut Off : ~~10% INCREASING~~N/A
NI Power Turn On : ~~1.0E-10 AMPS~~N/A
Instrument Failure : N/A
Temp. Comp. : N
Level Reference : N/A

Unique System

This point consists of the validated average of the two source range signals from the excore detectors located adjacent to the outside of the vessel. If either signal is invalid the other is used. The point is marked invalid if no valid inputs are present. Source range instrumentation can be bypassed if one intermediate range channel is greater than P6. ~~The source range detectors are energized below P6. P6 represents 1.0E-10 amps 2.0E-5 % intermediate range power. Source range detectors deenergize automatically at P10 (10% Power Range power).~~

Date : 10/15/99
Reactor Unit : VO2
Data Feeder : N/A
NRC ERDS Parameter : NI INTER RNG
Point ID : UV0035
Plant Spec. Point : VALIDATED NEUTRON FLUX INTERMEDIATE RNG
Generic/Cond. : NUCLEAR INSTRUMENTS, INT RANGE
Analog/Digital : A
Engr. Units/Dig : %
Engr. Units : 4.69E-10 to 2.0E+2 %
Minimum Instr. : 4.69E-10
Maximum Instr. : 2.0E+2
Zero Point : N/A
Reference Point : N/A
Proc or Sens. : P
Number of Sensors : 2
How Processed : VALIDATED AVERAGE
Sensor Locations : ADJACENT TO OUTSIDE OF REACTOR VESSEL
Alarm/Trip Setpoints : NONE
NI Power Cut Off : N/A
NI Power Turn On : N/A
Instrument Failure : N/A
Temp. Comp. : N
Level Reference : N/A

Unique System

This point represents the validated average of the intermediate range NI detectors. Only valid inputs are used in the calculation. Invalid inputs are discarded prior to performance of the calculation. If no valid inputs are present, this point is marked invalid. The intermediate range detectors are located externally to the reactor vessel.

Date : 10/15/99
Reactor Unit : VO2
Data Feeder : N/A
NRC ERDS Parameter : NI SOURC RNG
Point ID : UV0031
Plant Spec. Point : VALIDATED NEUTRON FLUX SOURCE RANGE
Generic/Cond. : NUCLEAR INSTRUMENTS, SOURCE RNG
Analog/Digital : A
Engr. Units/Dig : CPS
Engr. Units : 0.09 to 1.0E+6 CPS
Minimum Instr. : 0.09
Maximum Instr. : 1000000.0
Zero Point : N/A
Reference Point : N/A
Proc or Sens. : P
Number of Sensors : 2
How Processed : VALIDATED AVERAGE
Sensor Locations : ADJACENT TO OUTSIDE OF REACTOR VESSEL
Alarm/Trip Setpoints : NONE
NI Power Cut Off : N/A
NI Power Turn On : N/A
Instrument Failure : N/A
Temp. Comp. : N
Level Reference : N/A

Unique System

This point consists of the validated average of the two source range signals from the excore detectors located adjacent to the outside of the vessel. If either signal is invalid the other is used. The point is marked invalid if no valid inputs are present. Source range instrumentation can be bypassed if one intermediate range channel is greater than P6. P6 represents 2.0E-5 % intermediate range power.