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July 10, 2009

Docket No.: 50-425

NL-09-1088

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

Vogtle Electric Generating Plant, Unit 2  
Emergency Response Data System (ERDS)  
Data Point Library Modification

Ladies and Gentlemen:

In accordance with the requirements of 10CFR50, 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. Data points UV0403 (Steam Generator 1 Main Feedwater Flow), UV0423 (Steam Generator 2 Main Feedwater Flow), UV0443 (Steam Generator 3 Main Feedwater Flow), and UV0463 (Steam Generator 4 Main Feedwater Flow) were revised as a result of the Unit 2 Measurement Uncertainty Recapture (MUR) Power Uprate implementation during the Unit 2 fall 2008 refueling outage.

The changes were implemented on October 1, 2008. However, it was not recognized until July 8, 2009 that the Nuclear Regulatory Commission had not been notified of the changes to the ERDS data point library within 30 days of implementing the change as required by 10CFR50, Appendix E, Section VI, Item 3a. This deficient condition has been entered into the Vogtle Electric Generating Plant Condition Reporting System.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink that reads "T. E. Tynan".

T. E. Tynan  
Vice President – Vogtle

TET/TMH/sdc

U. S. Nuclear Regulatory Commission

Log:

Page 2

Enclosures: Mark-up Changes to the VEGP Unit 2 ERDS Data Point Library

cc: Southern Nuclear Operating Company

Mr. J. T. Gasser, Executive Vice President

Mr. T. E. Tynan, Vice President – Vogtle

Ms. P. M. Marino, Vice President – Engineering

RType: CVC7000

U. S. Nuclear Regulatory Commission

Mr. L. A. Reyes, Regional Administrator

Ms. D. N. Wright, NRR Project Manager – Vogtle

Mr. M. Cain, Senior Resident Inspector – Vogtle

**Vogle Electric Generating Plant, Unit 2  
Emergency Response Data System (ERDS)  
Data Point Library Modifications**

**Enclosure**

**Mark-up Changes to the VEGP Unit 2 ERDS Data Point Library**

## Chapter 13 – Emergency Response Data System (ERDS)

**Date** : 10/1/08  
**Reactor Unit** : VO2  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 1/A  
**Point ID** : UV0403  
**Plant Spec. Point** : VALIDATED SG1 FEEDWATER FLOW VENTURIS  
**Generic/Cond.** : STM GEN 1 MAIN FEEDWATER FLOW  
**Analog/Digital** : A  
**Engr. Units/Dig** : KLB/HR  
**Engr. Units** : -12.0 to 4800.0 KLB/HR  
**Minimum Instr.** : -12.0  
**Maximum Instr.** : 4800.0  
**Zero Point** : N/A  
**Reference Point** : N/A  
**Proc or Sens.** : P  
**Number of Sensors** : 2  
**How Processed** : VALIDATED AVERAGE  
**Sensor Locations** : FEEDWTR HEATR DISCH UPSTRM OF STM GEN 1  
**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

Senses flow in main feedwater line to steam generator 1. The average of the 2 valid feed flow signals is used for this point. If one of the inputs is invalid the other is used. If both signals are invalid the result is marked invalid.

## Chapter 13 – Emergency Response Data System (ERDS)

**Date** : 10/1/08  
**Reactor Unit** : VO2  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 2/B  
**Point ID** : UV0423  
**Plant Spec. Point** : VALIDATED SG2 FEEDWATER FLOW VENTURIS  
**Generic/Cond.** : STM GEN 2 MAIN FEEDWATER FLOW  
**Analog/Digital** : A  
**Engr. Units/Dig** : KLB/HR  
**Engr. Units** : -12.0 to 4800.0 KLB/HR  
**Minimum Instr.** : -12.0  
**Maximum Instr.** : 4800.0  
**Zero Point** : N/A  
**Reference Point** : N/A  
**Proc or Sens.** : P  
**Number of Sensors** : 2  
**How Processed** : VALIDATED AVERAGE  
**Sensor Locations** : FEEDWTR HEATR DISCH UPSTRM OF STM GEN 2  
**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

Senses flow in main feedwater line to steam generator 2. The average of the 2 valid feed flow signals is used for this point. If one of the inputs is invalid the other is used. If both signals are invalid the result is marked invalid.

## Chapter 13 – Emergency Response Data System (ERDS)

**Date** : 10/1/08  
**Reactor Unit** : VO2  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 3/C  
**Point ID** : UV0443  
**Plant Spec. Point** : VALIDATED SG3 FEEDWATER FLOW VENTURIS  
**Generic/Cond.** : STM GEN 3 MAIN FEEDWATER FLOW  
**Analog/Digital** : A  
**Engr. Units/Dig** : KLB/HR  
**Engr. Units** : -12.0 to 4800.0 KLB/HR  
**Minimum Instr.** : -12.0  
**Maximum Instr.** : 4800.0  
**Zero Point** : N/A  
**Reference Point** : N/A  
**Proc or Sens.** : P  
**Number of Sensors** : 2  
**How Processed** : VALIDATED AVERAGE  
**Sensor Locations** : FEEDWTR HEATR DISCH UPSTRM OF STM GEN 3  
**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

Senses flow in main feedwater line to steam generator 3. The average of the 2 valid feed flow signals is used for this point. If one of the inputs is invalid the other is used. If both signals are invalid the result is marked invalid.

## Chapter 13 – Emergency Response Data System (ERDS)

**Date** : 10/1/08  
**Reactor Unit** : VO2  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 4/D  
**Point ID** : UV0463  
**Plant Spec. Point** : VALIDATED SG4 FEEDWATER FLOW VENTURIS  
**Generic/Cond.** : STM GEN 4 MAIN FEEDWATER FLOW  
**Analog/Digital** : A  
**Engr. Units/Dig** : KLB/HR  
**Engr. Units** : -12.0 to 4800.0 KLB/HR  
**Minimum Instr.** : -12.0  
**Maximum Instr.** : 4800.0  
**Zero Point** : N/A  
**Reference Point** : N/A  
**Proc or Sens.** : P  
**Number of Sensors** : 2  
**How Processed** : VALIDATED AVERAGE  
**Sensor Locations** : FEEDWTR HEATR DISCH UPSTRM OF STM GEN 4  
**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

Senses flow in main feedwater line to steam generator 4. The average of the 2 valid feed flow signals is used for this point. If one of the inputs is invalid the other is used. If both signals are invalid the result is marked invalid.