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May 28, 2008

Docket No.: 50-424

NL-08-0833

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

Vogtle Electric Generating Plant, Unit 1  
Emergency Response Data System (ERDS)  
Data Point Library Modifications

Ladies and Gentlemen:

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 1 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 1 Measurement Uncertainty Recapture (MUR) Power Uprate implementation during the Unit 1 spring 2008 refueling outage.

The changes were completed on April 30, 2008.

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

Sincerely,

A handwritten signature in black ink, appearing to read "D. H. Jones", is written over the word "Sincerely,".

D. H. Jones  
Vice President – Engineering

DHJ/LPH/daj

Enclosure: Mark-up Changes to the VEGP Unit 1 ERDS Data Point Library

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cc: Southern Nuclear Operating Company  
Mr. J. T. Gasser, Executive Vice President  
Mr. T. E. Tynan, Vice President – Vogtle  
RType: CVC7000

U. S. Nuclear Regulatory Commission  
Mr. L. A. Reyes, Regional Administrator  
Mr. R. A. Jervy, NRR Project Manager – Vogtle  
Mr. G. J. McCoy, Senior Resident Inspector – Vogtle

**Vogtle Electric Generating Plant, Unit 1  
Emergency Response Data System (ERDS)  
Data Point Library Modifications**

**Enclosure**

**Mark-up Changes to the VEGP Unit 1 ERDS Data Point Library**

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

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**Date** : 05/16/08  
**Reactor Unit** : VO1  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 1/A  
**Point ID** : UV0403  
**Plant Spec. Point** : VALIDATED SG1 FW FLOW VENTURIS  
**Generic/Cond.** : STM GEN I 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 I  
**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** : 05/16/08  
**Reactor Unit** : VOI  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 2/B  
**Point ID** : UV0423  
**Plant Spec. Point** : VALIDATED SG2 FW 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)

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**Date** : 05/16/08  
**Reactor Unit** : VOI  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 3/C  
**Point ID** : UV0443  
**Plant Spec. Point** : VALIDATED SG3 FW 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** : 05/18/08  
**Reactor Unit** : VO1  
**Data Feeder** : N/A  
**NRC ERDS Parameter** : MN FD FL 4/D  
**Point ID** : UV0463  
**Plant Spec. Point** : VALIDATED SG4 FW 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.