

**Mark B. Bezilla**  
Site Vice President724-682-5234  
Fax: 724-643-8069August 7, 2002  
L-02-086U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Emergency Response Data System (ERDS)**

The enclosed ERDS Data Point Library (DPL) changes are being submitted as required by 10 CFR 50, Appendix E, Section VI.3.a. The changes have already been implemented on plant computers that provide data to the ERDS computer and consist of the following:

1. Intermediate Range Detector 1 Log Flux high alarm setpoint was changed from 8.0E-4 to 9.0E-4 amps (Mode 1)
2. Intermediate Range Detector 2 Log Flux high alarm setpoint was changed from 7.0E-4 to 7.4E-4 amps (Mode 1)

Previously, the reported values for these setpoints reflected plant operating Mode 1. However, the plant computer at Beaver Valley 1 implements three different intermediate range detector high alarm setpoints corresponding to plant operating Modes 1, 2, and 3 through 6. Alarm status data is provided to ERDS relative to the prevailing plant operating mode at the time the data is transmitted. Therefore, the attached DPL sheets have been revised to show all three setpoints for each detector, rather than the single Mode 1 setpoint previously reported.

The change described above includes a change that was made in April 2002, but not reported at that time. This omission has been entered in the FENOC corrective action system for evaluation and correction.

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If you have any questions concerning the DPL changes, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Corrective Action at 724-682-5284.

Sincerely,



Mark B. Bezilla

**Attachments**

- c: Mr. D. S. Collins, NRR Project Manager
- Mr. J. R. Jolicoeur, USNRC Incident Response Division
- Mr. D. M. Kern, NRC Sr. Resident Inspector
- Mr. H. J. Miller, NRC Region I Administrator

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY

BV1 ERDS INPUT

Date: 08/02/2002

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: NI-INTER-RNG

Point ID: N0035A

Plant Spec Point Desc.: INTERMEDIATE RANGE DET 1 LOG FLUX

Generic/Cond Desc.: NUC INSTRUMENTS, INT RANGE

Analog/Digital: A

Engr Units/Dig States: AMP

Engr Units Conversion: LOG Y = 8/5 (VOLTS) -5

Minimum Instr Range: 10E-11

Maximum Instr Range: 10E-3

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number Of Sensors: 1

How Processed: N/A

Sensor Locations: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-off Power Level: 2/4 PWR RNG>10%

NI Detector Power Supply Turn-on Power Level: 3/4 PWR RNG<10%

Instrument Failure Mode: LOW

Temperature Compensation For DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: INTERMEDIATE RANGE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6 % TO 10E2 % FULL RATED POWER. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL THE REACTOR POWER LEVEL RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL. (~1% FULL POWER). N-35 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2.  
MODE 1 HIGH ALARM = 9.0E-04 AMP; MODE 2 HIGH ALARM = 7.0E-04 AMP;  
MODES 3-6 HIGH ALARM = 1.3E-04 AMP

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY

BV1 ERDS INPUT

Date: 08/02/2002

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: EXTRA4

Point ID: N0036A

Plant Spec Point Desc.: INTERMEDIATE RANGE DET 2 LOG FLUX

Generic/Cond Desc.: NUC INSTRUMENTS, INT RANGE

Analog/Digital: A

Engr Units/Dig States: AMP

Engr Units Conversion: LOG Y = 8/5 (VOLTS) -5

Minimum Instr Range: 10E-11

Maximum Instr Range: 10E-3

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number Of Sensors: 1

How Processed: N/A

Sensor Locations: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-off Power Level: 2/4 PWR RNG>10%

NI Detector Power Supply Turn-on Power Level: 3/4 PWR RNG<10%

Instrument Failure Mode: LOW

Temperature Compensation For DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: INTERMEDIATE RANGE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6 % TO 10E2 % FULL RATED POWER. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL THE REACTOR POWER LEVEL RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL. (~ 1 % FULL POWER). N-36 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2  
MODE 1 HIGH ALARM = 7.4E-04 AMP; MODE 2 HIGH ALARM = 7.0E-04 AMP;  
MODES 3-6 HIGH ALARM = 1.3E-04 AMP

## Commitment List

The following list identifies those actions committed to by FirstEnergy Nuclear Operating Company (FENOC) for Beaver Valley Power Station (BVPS) Unit No. 1 in this document. Any other actions discussed in the submittal represent intended or planned actions by Beaver Valley. These other actions are described only as information and are not regulatory commitments. Please notify Mr. Larry R. Freeland, Manager, Regulatory Affairs/Corrective Actions, at Beaver Valley on (724) 682-5284 of any questions regarding this document or associated regulatory commitments.

<u>Commitment</u>	<u>Due Date</u>
None	N/A