

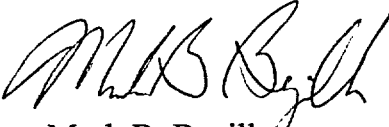
**Mark B. Bezilla**  
Site Vice President724-682-5234  
Fax 724-643-8069January 16, 2003  
L-03-002U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001**Subject: Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Emergency Response 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 Mode 1 high alarm limits were increased to provide a reasonable value for the alarms during the entire fuel cycle, and the change to the Mode 2 high alarm limits was made in order to align the values closer to the Intermediate Range High Level Trip which is active in Mode 2. 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 9.0E-4 to 1.0E-03 amps (Mode 1) and from 7.0E-04 to 1.3E-04 amps (Mode 2)
2. Intermediate Range Detector 2 Log Flux high alarm setpoint was changed from 7.4E-4 to 1.0E-03 amps (Mode 1) and from 7.0E-04 to 1.3E-04 amps (Mode 2)

There are no regulatory commitments contained in this letter. If you have any questions concerning the DPL changes, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Performance Improvement 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

A026

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY

BV1 ERDS INPUT

Date: 12/18/2002

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 = 1.0E-03 AMP; MODE 2 HIGH ALARM = 1.3E-04 AMP;  
MODES 3-6 HIGH ALARM = 1.3E-04 AMP

## BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY

## BV1 ERDS INPUT

Date: 12/18/2002

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.) OP MANUAL CHAPTER 2  
MODE 1 HIGH ALARM = 1.0E-03 AMP; MODE 2 HIGH ALARM = 1.3E-04 AMP;  
MODES 3-6 HIGH ALARM = 1.3E-04 AMP