



FirstEnergy Nuclear Operating Company

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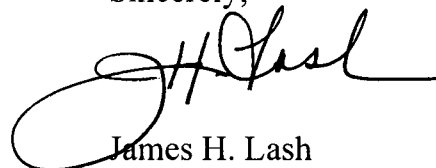
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U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

**Subject: Beaver Valley Power Station, Unit No. 1
BV-1 Docket No. 50-334, License No. DPR-66
Emergency Response Data System**

In accordance with 10 CFR 50, Appendix E, Section VI, changes to the Beaver Valley Power Station Unit (BVPS) No. 1 Data Point Library (DPL) for the Emergency Response Data System (ERDS) are provided in the Attachments. Attachment 1 provides DPL pages for the data points that have been changed. The DPL changes are associated with instrument transmitter rescaling and alarm setpoint changes made to implement the BVPS Unit No. 1 Extended Power Uprate. Attachment 2 provides a list of data points that have changed and a summary of the changes for each listed datapoint.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Henry L. Hegrat, Supervisor - FENOC Fleet Licensing, at (330) 374-3114.

Sincerely,



James H. Lash

Attachments:

1. ERDS Data Point Library Changes
 2. Summary Of Changes To Data Point Library (DPL)
- c: Ms. N. S. Morgan, NRR Project Manager (w/o enclosure)
Mr. P. C. Cataldo, NRC Senior Resident Inspector
Mr. S. J. Collins, NRC Region I Administrator
Mr. D. A. Allard, Director BRP/DEP
Mr. L. E. Ryan (BRP/DEP)

A026

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: MN-FD-FL-1A

Point ID: F0403A

Plant Spec Point Desc.: SG A UNCORR FW 1 FLOW

Generic/Cond Desc.: STM GEN A MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-476 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-476 senses Main Feed flow to SG A between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW478). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: EXTRA6

Point ID: F0404A

Plant Spec Point Desc.: SG A UNCORR FW 2 FLOW

Generic/Cond Desc.: STM GEN A MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-477 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-477 senses Main Feed flow to SG A between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW478). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: MN-FD-FL-2B

Point ID: F0423A

Plant Spec Point Desc.: SG B UNCORR FW 1 FLOW

Generic/Cond Desc.: STM GEN B MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-486 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-486 senses Main Feed flow to SG B between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW488). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: EXTRA7

Point ID: F0424A

Plant Spec Point Desc.: SG B UNCORR FW 2 FLOW

Generic/Cond Desc.: STM GEN B MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-487 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-487 senses Main Feed flow to SG B between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW488). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: MN-FD-FL-3C

Point ID: F0443A

Plant Spec Point Desc.: SG C UNCORR FW 1 FLOW

Generic/Cond Desc.: STM GEN C MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-496 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-496 senses Main Feed flow to SG C between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW498). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/1/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: EXTRA8

Point ID: F0444A

Plant Spec Point Desc.: SG C UNCORR FW 2 FLOW

Generic/Cond Desc.: STM GEN C MAIN FEEDWATER FLOW

Analog/Digital: A

Engr Units/Dig States: MLB/HR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 5.0

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: FT-1FW-497 provides Main Feed flow indication at the Main Control Board, a signal to PNL-AMSAC and signals to the solid state protection system (SSPS). Two Main Feed Pumps (1FW-P-1A, B) rated at 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-497 senses Main Feed flow to SG C between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW498). Ref: Op Manual Chapter 24; RM-424-1

LOW ALARM = 0 MLB/HR (Modes 1 and 2)
HIGH ALARM = 4.6 MLB/HR (Modes 1 and 2)
Also alarm on redundant tolerance (Modes 1 and 2)
No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/2/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: CTMNT-PRESS

Point ID: P1008A

Plant Spec Point Desc.: WIDE RANGE CNMT PRESS CH 1

Generic/Cond Desc.: CONTAINMENT PRESSURE

Analog/Digital: A

Engr Units/Dig States: PSIA

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 200

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: PT-1LM-101A provides wide range containment pressure indication at the main control board. PT-1LM-101A senses containment pressure at a pressure tap located between TV-1LM-100A1 and TV-1LM100A2 (containment isolation valves) and containment. Ref: Op Manual Chapter 12.

LOW ALARM = 12.8 PSIA in Modes 1 thru 4
HIGH ALARM = 14.2 PSIA in Modes 1 thru 4
No alarms in Modes 5 and 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 3/2/2007

Reactor Unit: BV1

Data Feeder: IPC

NRC ERDS Parameter: EXTRA21

Point ID: P1009A

Plant Spec Point Desc.: WIDE RANGE CNMT PRESS CH 2

Generic/Cond Desc.: CONTAINMENT PRESSURE

Analog/Digital: A

Engr Units/Dig States: PSIA

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 200

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: SEE UNIQUE SYSTEM DESCRIPTION FIELD

NI Detector Power Supply Cut-Off Power Level: N/A

NI Detector Power Supply Turn-ON Power Level: N/A

Instrument Failure Mode: LOW

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: PT-1LM-101B provides wide range containment pressure indication at the main control board. PT-1LM-101B senses containment pressure at a pressure tap located between TV-1LM-100A1 and TV-1LM100A2 (containment isolation valves) and containment. Ref: Op Manual Chapter 12.

LOW ALARM = 12.8 PSIA in Modes 1 thru 4
HIGH ALARM = 14.2 PSIA in Modes 1 thru 4
No alarms in Modes 5 and 6.

SUMMARY OF CHANGES TO DATA POINT LIBRARY (DPL)

Reactor Unit	DPL Point	Description of Change(s)
BV1	F0403A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	F0404A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	F0423A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4.2 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	F0424A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4.2 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	F0443A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4.2 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	F0444A	Date: Changed to "3/1/2007" Maximum Instr Range: Changed from "4.612" to "5.0" Unique System Desc.: Replaced the "HIGH ALARM = 4.2 MLB/HR(Modes 1 and 2)" with a "HIGH ALARM = 4.6 MLB/HR(Modes 1 and 2)"
	P1008A	Date: Changed to "3/2/2007" Unique System Desc.: Replaced the "HIGH ALARM = 14.7 PSIA in Modes 1 thru 4" with "HIGH ALARM = 14.2 PSIA in Modes 1 thru 4" Unique System Desc.: Replaced the "LOW ALARM = 9.0 PSIA in Modes 1 thru 4" with "LOW ALARM = 12.8 PSIA in Modes 1 thru 4"
	P1009A	Date: Changed to "3/2/2007" Unique System Desc.: Replaced the "HIGH ALARM = 14.7 PSIA in Modes 1 thru 4" with "HIGH ALARM = 14.2 PSIA in Modes 1 thru 4" Unique System Desc.: Replaced the "LOW ALARM = 9.0 PSIA in Modes 1 thru 4" with "LOW ALARM = 12.8 PSIA in Modes 1 thru 4"