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Fax: 724-643-8069February 20, 2019
L-19-053

10 CFR 50, Appendix E, Section VI

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001SUBJECT:
Beaver Valley Power Station, Unit Nos. 1 and 2
Docket No. 50-334, License No. DPR-66
Docket No. 50-412, License No. NPF-73
Emergency Response Data System Data Point Library Update

In accordance with reporting requirement 10 CFR 50, Appendix E, Section VI.3.a, updates of the Emergency Response Data System (ERDS) Data Point Library (DPL) for Beaver Valley Power Station, Unit Nos. 1 and 2 (BV1), (BV2) are provided. The attachment includes the required details of the changes, and the enclosure provides copies of the updated DPL pages.

There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Brian D. Kremer, Manager – Regulatory Compliance, at 724-682-4284.

Sincerely,

Richard D. Bologna
Site Vice President

Attachment: Summary of Changes to Data Point Library

Enclosure: Beaver Valley Power Station ERDS Data Point Library, Updated Pages

cc: NRC Region I Administrator
NRC Resident Inspector
NRC Project Manager (w/o enclosure)
Director BRP/DEP
Site BRP/DEP RepresentativeADZ6
NRR

Attachment
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Summary of Changes to Data Point Library
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Summary of Changes to Data Point Library

| Reactor Unit | DPL Point | Description of Change(s) |
|--------------|-----------|---|
| BV1 | WS035SR | Create new point named WS035SR with same fields as XM006. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | WS500SR | Create new point named WS500SR with same fields as XM026. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | WD150SR | Create new point named WD150SR with same fields as XM051. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | WD500SR | Create new point named WD500SR with same fields as XM061. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | TS150SR | Create new point named TS150SR with same fields as XM083. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | TS500SR | Create new point named TS500SR with same fields as XM087. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV1 | XM006 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XM026 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XM051 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XM061 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XM083 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XM087 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV1 | XR001_1 | Data Feeder: changed from "ARERAS" to "UNIT1". |
| BV1 | XR002_1 | Data Feeder: changed from "ARERAS" to "UNIT1". |
| BV1 | XR003_1 | Data Feeder: changed from "ARERAS" to "UNIT1". |
| BV1 | XR004_1 | Data Feeder: changed from "ARERAS" to "UNIT1". |

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Summary of Changes to Data Point Library
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| | | |
|-----|---------|---|
| BV2 | WS035SR | Create new point named WS035SR with same fields as XM006. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | WS500SR | Create new point named WS500SR with same fields as XM026. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | WD150SR | Create new point named WD150SR with same fields as XM051. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | WD500SR | Create new point named WD500SR with same fields as XM061. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | TS150SR | Create new point named TS150SR with same fields as XM083. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | TS500SR | Create new point named TS500SR with same fields as XM087. Date: changed to "01/28/19", Data Feeder: changed to "MET" |
| BV2 | XM006 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV2 | XM026 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV2 | XM051 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV2 | XM061 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV2 | XM083 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |
| BV2 | XM087 | Date: changed to "01/28/19" Unique System Desc.: "Point deleted per ECP-14-0464" Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID. |

Enclosure
L-19-053

Beaver Valley Power Station ERDS Data Point Library, Updated Pages
(29 pages follow)

| <i>UNIT</i> | <i>POINT ID</i> | <i>DESCRIPTION</i> | <i>PARAMETER</i> | <i>PAGE</i> |
|--------------------|------------------------|-------------------------------|-------------------------|--------------------|
| BV2 | R0098A | 2MSS-RQI101B | EXTRA10 | 2-87 |
| BV2 | R0099A | 2MSS-RQI101C | EXTRA11 | 2-88 |
| BV1 | WS035SR | WIND SPEED 35' ELEVATION | WIND-SPEED1 | 3-01 |
| BV1 | WS500SR | WIND SPEED 500' ELEVATION | WIND-SPEED2 | 3-02 |
| BV1 | WD150SR | WIND DIRECTION 150' ELEVATION | WIND-DIR1 | 3-03 |
| BV1 | WD500SR | WIND DIRECTION 500' ELEVATION | WIND-DIR2 | 3-04 |
| BV1 | TS150SR | STABILITY-GROUND LEVEL | STAB-CLASS1 | 3-05 |
| BV1 | TS500SR | STABILITY-ELEVATED | STAB-CLASS2 | 3-06 |
| BV2 | WS035SR | WIND SPEED 35' ELEVATION | WIND-SPEED1 | 3-07 |
| BV2 | WS500SR | WIND SPEED 500' ELEVATION | WIND-SPEED2 | 3-08 |
| BV2 | WD150SR | WIND DIRECTION 150' ELEVATION | WIND-DIR1 | 3-09 |
| BV2 | WD500SR | WIND DIRECTION 500' ELEVATION | WIND-DIR2 | 3-10 |
| BV2 | TS150SR | STABILITY-GROUND LEVEL | STAB-CLASS1 | 3-11 |
| BV2 | TS500SR | STABILITY-ELEVATED | STAB-CLASS2 | 3-12 |

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 11/3/2011

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM006

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 11/3/2011

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM026

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM051

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM061

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM083

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM087

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/3/2011

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM006

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 11/3/2011

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM026

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM051

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM061

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM083

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 11/14/1992

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XM087

Plant Spec Point Desc.:

Generic/Cond Desc.:

Analog/Digital:

Engr Units/Dig States:

Engr Units Conversion:

Minimum Instr Range:

Maximum Instr Range:

Zero Point Reference:

Reference Point Notes:

PROC or SENS:

Number of Sensors:

How Processed:

Sensor Location:

Alarm/Trip Set Points:

NI Detector Power Supply Cut-Off Power Level:

NI Detector Power Supply Turn-ON Power Level:

Instrument Failure Mode:

Temperature Compensation for DP Transmitters:

Level Reference Leg:

Unique System Desc.: point deleted per ECP 14-0464

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: WIND-SPEED1

Point ID: WS035SR

Plant Spec Point Desc.: WIND SPEED 35' ELEVATION

Generic/Cond Desc.: WIND SPEED AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: MPH

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments, as ground level speed.
Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: WIND-SPEED2

Point ID: WS500SR

Plant Spec Point Desc.: WIND SPEED 500' ELEVATION

Generic/Cond Desc.: WIND SPEED AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: MPH

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor substituted if primary bad or missing. Sensors are same quality/calibration. Value is dose assessments as elevated wind speed. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: WIND-DIR1

Point ID: WD150SR

Plant Spec Point Desc.: WIND DIRECTION 150' ELEVATION

Generic/Cond Desc.: WIND DIRECTION AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEGFR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 360

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: WIND-DIR2

Point ID: WD500SR

Plant Spec Point Desc.: WIND DIRECTION 500' ELEVATION

Generic/Cond Desc.: WIND DIRECTION AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEGFR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 360

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: STAB-CLASS1

Point ID: TS150SR

Plant Spec Point Desc.: STABILITY-GROUND LEVEL

Generic/Cond Desc.: AIR STABILITY AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: STAB1

Engr Units Conversion: N/A

Minimum Instr Range: 1

Maximum Instr Range: 7

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is based on 15 minute average Delta-T for 35' and 150' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A to G. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: MET

NRC ERDS Parameter: STAB-CLASS2

Point ID: TS500SR

Plant Spec Point Desc.: STABILITY-ELEVATED

Generic/Cond Desc.: AIR STABILITY AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: STABI

Engr Units Conversion: N/A

Minimum Instr Range: 1

Maximum Instr Range: 7

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is based on 15 minute average Delta-T for 35' and 500' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A thru G. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET

NRC ERDS Parameter: WIND-SPEED1

Point ID: WS035SR

Plant Spec Point Desc.: WIND SPEED 35' ELEVATION

Generic/Cond Desc.: WIND SPEED AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: MPH

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments, as ground level speed.
Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET

NRC ERDS Parameter: WIND-SPEED2

Point ID: WS500SR

Plant Spec Point Desc.: WIND SPEED 500' ELEVATION

Generic/Cond Desc.: WIND SPEED AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: MPH

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor substituted if primary bad or missing. Sensors are same quality/calibration. Value is dose assessments as elevated wind speed. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET

NRC ERDS Parameter: WIND-DIR1

Point ID: WD150SR

Plant Spec Point Desc.: WIND DIRECTION 150' ELEVATION

Generic/Cond Desc.: WIND DIRECTION AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEGFR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 360

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET

NRC ERDS Parameter: WIND-DIR2

Point ID: WD500SR

Plant Spec Point Desc.: WIND DIRECTION 500' ELEVATION

Generic/Cond Desc.: WIND DIRECTION AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEGFR

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 360

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET

NRC ERDS Parameter: STAB-CLASS1

Point ID: TS150SR

Plant Spec Point Desc.: STABILITY-GROUND LEVEL

Generic/Cond Desc.: AIR STABILITY AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: STAB1

Engr Units Conversion: N/A

Minimum Instr Range: 1

Maximum Instr Range: 7

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is based on 15 minute average Delta-T for 35' and 150' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A to G. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV2

Data Feeder: MET.

NRC ERDS Parameter: STAB-CLASS2

Point ID: TS500SR

Plant Spec Point Desc.: STABILITY-ELEVATED

Generic/Cond Desc.: AIR STABILITY AT REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: STABI

Engr Units Conversion: N/A

Minimum Instr Range: 1

Maximum Instr Range: 7

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: FAILOVER SUBSTITUTION

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: Point is based on 15 minute average Delta-T for 35' and 500' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A thru G. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: UNIT1

NRC ERDS Parameter: EXTRA11

Point ID: XR001

Plant Spec Point Desc.: 1RM-MS-101

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 0.01

Maximum Instr Range: 4E4

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: CALCULATED

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: RM-1MS-101 monitors the activity in one of the two exhaust lines of the turbine driven auxiliary feed pump. High activity alarms alert the operator to abnormal conditions. Monitor is a gamma scintillation detector. Ref: Op Manual Chapter 43; RM-421-1; Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: UNIT1

NRC ERDS Parameter: EXTRA12

Point ID: XR002

Plant Spec Point Desc.: 1RM-MS-100A

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 0.01

Maximum Instr Range: 4E4

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: CALCULATED

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: RM-1MS-100A monitors the activity in the discharge path of Main Steam Relief Loop A when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric Dump Valve on Main Steam Relief Loop A. Ref: Op Manual Chapter 43; RM-421-1; Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: UNIT1

NRC ERDS Parameter: EXTRA13

Point ID: XR003

Plant Spec Point Desc.: 1RM-MS-100B

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 0.01

Maximum Instr Range: 4E4

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: CALCULATED

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: RM-1MS-100B monitors the activity in the discharge path of Main Steam Relief Loop B when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric Dump Valve on Main Steam Relief Loop B. Ref: Op Manual Chapter 43; RM-421-1; Calculation Package ERS-SFL-92-024; CR 04-05484

**BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY**

Date: 1/28/2019

Reactor Unit: BV1

Data Feeder: UNIT1

NRC ERDS Parameter: EXTRA14

Point ID: XR004

Plant Spec Point Desc.: 1RM-MS-100C

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 0.01

Maximum Instr Range: 4E4

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 2

How Processed: CALCULATED

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: N/A

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

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

Instrument Failure Mode: DEPENDS ON FAILURE MODE

Temperature Compensation for DP Transmitters: N

Level Reference Leg: N/A

Unique System Desc.: RM-1MS-100C monitors the activity in the discharge path of Main Steam Relief Loop C when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric-Dump Valve on Main Steam Relief Loop C. Ref: Op Manual Chapter 43; RM-421-1; Calculation Package ERS-SFL-92-024; CR 04-05484