

Attachment  
L-17-285

Summary of Changes to Data Point Library  
Page 1

Reactor Unit	DPL Point	Description of Change(s)
BV2	R0019A_2	Create new point named R0019A_2 with same fields as XR041_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS"
BV2	R0020A_2	Create new point named R0020A_2 with same fields as XR042_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS"
BV2	R0015A_2	Create new point named R0015A_2 with same fields as XR045_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS"
BV2	R0093A_2	Create new point named R0093A_2 with same fields as XR046_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS", <b>Units:</b> changed to "uCi/S"
BV2	R0091A_2	Create new point named R0091A_2 with same fields as XR053_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS", <b>Units:</b> changed to "uCi/S"
BV2	R0098A_2	Create new point named R0098A_2 with same fields as XR054_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS", <b>Units:</b> changed to "uCi/S"
BV2	R0099A_2	Create new point named R0099A_2 with same fields as XR055_2. <b>Date:</b> changed to "8/23/17", <b>Data Feeder:</b> changed to "PCS", <b>Units:</b> changed to "uCi/S"
BV2	XR041_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR042_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR046_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR045_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR053_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR054_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>
BV2	XR055_2	<b>Date:</b> changed to "8/23/17" <b>Unique System Desc.:</b> "Point deleted per ECP-14-0466" Clear all other fields except <b>Date, Reactor Unit, Data Feeder, Point ID.</b>

Enclosure  
L-17-285

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

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR041

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR042

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR045

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR046

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR053

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR054

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-14-0466



BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR055

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-14-0466

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EFF-GAS-RAD1

Point ID: R0019A

Plant Spec Point Desc.: 2HVS-RQ1101A

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED PARTIC

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 3.24E-10

Maximum Instr Range: 3.24E-4

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: HIGH 9.71E-5 uCi/cc >BACKGROUND

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. 2HVS-RQ1101A monitors the airborne activity between the discharge of the Leak Collection Normal Exhaust Fans and the Ventilation Vent. A High activity signal will isolate the Purge System and indicate to the operator the need to divert flow through the Filter Banks. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Op Manual Chapter 43; TLD-43-068; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EFF-GAS-RAD2

Point ID: R0020A

Plant Spec Point Desc.: 2HVS-RQ1101B

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 3.7E-7

Maximum Instr Range: 0.372

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

Sensor Location: SEE UNIQUE SYSTEM DESCRIPTION FIELD

Alarm/Trip Set Points: HIGH 1.81E-4 uCi/cc >BACKGROUND

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. 2HVS-RQ1101B monitors the airborne activity between the discharge of the Leak Collection Normal Exhaust Fans and the Ventilation Vent. A High activity signal will isolate the Purge System and indicate to the operator the need to divert flow through the Filter Banks. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Op Manual Chapter 43; TLD-43-068; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484.

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EFF-GAS-RAD3

Point ID: R0015A

Plant Spec Point Desc.: 2HVS-RQI109A

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED PARTIC

Analog/Digital: A

Engr Units/Dig States: uCi/cc

Engr Units Conversion: N/A

Minimum Instr Range: 3.24E-10

Maximum Instr Range: 3.24E-4

Zero Point Reference: 0

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: HIGH 2.59E-4 uCi/cc >BACKGROUND

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. 2HVS-RQI109A monitors the airborne activity between the discharge of the Leak Collection Filter Exhaust Fans and the Elevated Release Exhaust Line. This sample is composed of effluent from the Auxiliary and Fuel Buildings, after it has passed through Main Filter Banks in the SLCRS system before being discharged to atmosphere. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Op Manual Chapter 43; TLD-43-068; RM-416-2; Calculation Package ERS-SFL-92-024; CR 04-05484.

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EFF-GAS-RAD4

Point ID: R0093A

Plant Spec Point Desc.: 2HVS-RQI109

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/S

Engr Units Conversion: N/A

Minimum Instr Range: 2.5E-7

Maximum Instr Range: 8.9E+4

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. This is a multi-range monitor. Lowest onscale channel report. 2HVS-RQI109B, C and D monitors the gaseous activity between the discharge of the leak collection filter exhaust fans and the elevated release exhaust line. This sample is composed of effluent from the Auxiliary and Fuel Buildings, after it has passed through the Main Filter Banks in the SLCRS system before being discharged to atmosphere. Note The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref Calculation Package ERS-SFL-92-024 CR 04-05484

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EXTRA9

Point ID: R0091A

Plant Spec Point Desc.: 2MSS-RQI101A

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/S

Engr Units Conversion: N/A

Minimum Instr Range: 2.5E-3

Maximum Instr Range: 2.5E3

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. Only read if release ongoing. Density corrected to atmospheric pressure. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484.

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EXTRA10

Point ID: R0098A

Plant Spec Point Desc.: 2MSS-RQI101B

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASES

Analog/Digital: A

Engr Units/Dig States: uCi/S

Engr Units Conversion: N/A

Minimum Instr Range: 2.5E-3

Maximum Instr Range: 2.5E3

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. Only read if release ongoing. Density corrected to atmospheric pressure. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484.

BEAVER VALLEY POWER STATION  
ERDS DATA POINT LIBRARY

Date: 8/23/2017

Reactor Unit: BV2

Data Feeder: PCS

NRC ERDS Parameter: EXTRA11

Point ID: R0099A

Plant Spec Point Desc.: 2MSS-RQI101C

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/S

Engr Units Conversion: N/A

Minimum Instr Range: 2.5E-3

Maximum Instr Range: 2.5E3

Zero Point Reference: 0

Reference Point Notes: N/A

PROC or SENS: P

Number of Sensors: 1

How Processed: N/A

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.: 1 minute average data. Site dose assessment assigns correction factors to the uCi/cc to correct for source term differences depending on selected default source term and decay period. Only read if release ongoing. Density corrected to atmospheric pressure. Note: The instrument ranges provide nominal values based on a default monitor conversion factor. Therefore, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges due to minor dynamic changes to the monitor conversion factor. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484.