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L-13-174

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 No. 1
Docket No. 50-334, License No. DPR-66
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 No. 1 (BV1) 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. Thomas A. Lentz, Manager – Fleet Licensing, at 330-315-6810.

Sincerely,



Eric A. Larson

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 Representative

Attachment
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Summary of Changes to Data Point Library
Page 1 of 1

Reactor Unit	DPL Point	Description of Change(s)
BV1	XR005	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR006	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR007	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR009	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR010	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR011	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR013	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR014	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"
BV1	XR015	Date: Changed to "4/29/2013" Maximum Instr Range: Replaced "1.2E6" with "5.1E5"

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

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EFF-GAS-RAD1
Point ID: XR005
Plant Spec Point Desc.: 1RM-VS-109 CH5
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: Xe133=1.24E7 CPM/uCi/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH 879 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to uCi/cc conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1VS-109 monitors for low range noble gases at the discharge of the Auxillary Building shielded area exhaust fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). Provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EFF-GAS-RAD2
Point ID: XR006
Plant Spec Point Desc.: 1RM-VS-109 CH7
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: $Xe133=3.54E2 \text{ CPM}/\mu\text{Ci/cc}$
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH <= 642 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to $\mu\text{Ci/cc}$ conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to a General Emergency for eight hours. RM-1VS-109 Channel 7 monitors for mid range noble gases at the discharge of the Auxiliary Building Shielded Area Exhaust Fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013

Reactor Unit: BV1

Data Feeder: ARERAS

NRC ERDS Parameter: EFF-GAS-RAD3

Point ID: XR007

Plant Spec Point Desc.: 1RM-VS-109 CH9

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: CPM

Engr Units Conversion: $Xe133=3.95 \text{ CPM/uCl/cc}$

Minimum Instr Range: 1.0

Maximum Instr Range: 5.1E5

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: 10.8

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

Unlque System Desc.: Point is 1 minute average. Site dose assessment varies CPM to uCl/cc conversion depending on which default source term was selected and decay period. RM-1VS-109 Channel 9 monitors for high range noble gases at the discharge of the Auxiliary Building Shielded Area Exhaust Fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EFF-GAS-RAD4
Point ID: XR009
Plant Spec Point Desc.: 1RM-VS-110 CH5
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: Xe133=1.33E7 CPM/uCi/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH 2030 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to uCi/cc conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1VS-110 Channel 5 monitors for low range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EFF-GAS-RAD5
Point ID: XR010
Plant Spec Point Desc.: 1RM-VS-110 CH7
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: Xe133=3.01E2 CPM/uCl/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH <= 766 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to uCl/cc conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to a General Emergency if the release continues 8 hours. RM-1VS-110 Channel 7 monitors for mid range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EFF-GAS-RAD6
Point ID: XR011
Plant Spec Point Desc.: 1RM-VS-110 CH9
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: $X_{e133}=4.87 \text{ CPM/uCl/cc}$
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: 18.6
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 1 minute average. Site dose assessment varies CPM to uCl/cc conversion depending on which default source term was selected and decay period. RM-1VS-110 Channel 9 monitors for high range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EXTRA15
Point ID: XR013
Plant Spec Point Desc.: 1RM-GW-109 CH5
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: Xe133=1.26E7 CPM/uCi/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH 3.6E5 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to uCi/cc conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1GW-109 Channel 5 monitors for low range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EXTRA16
Point ID: XR014
Plant Spec Point Desc.: 1RM-GW-109 CH7
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dlg States: CPM
Engr Units Conversion: Xe133=3.00E2 CPM/uCi/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: 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 1 minute average. Site dose assessment varies CPM to uCi/cc conversion depending on which default source term was selected and decay period. RM-1GW-109 Channel 7 monitors for mid range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1; Calculation Package ERS-SFL-92-024; CR 04-05484

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 4/29/2013
Reactor Unit: BV1
Data Feeder: ARERAS
NRC ERDS Parameter: EXTRA17
Point ID: XR015
Plant Spec Point Desc.: 1RM-GW-109 CH9
Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES
Analog/Digital: A
Engr Units/Dig States: CPM
Engr Units Conversion: Xe133=3.95 CPM/uCi/cc
Minimum Instr Range: 1.0
Maximum Instr Range: 5.1E5
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: HIGH 1.76E5 CPM >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.: Point is 1 minute average. Site dose assessment varies CPM to uCi/cc conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to a General Emergency if the release continues for eight hours. RM-1GW-109 Channel 9 monitors for High Range noble gases at the discharge of the Gaseous Waste Disposal Blowers. The monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1; Calculation Package ERS-SFL-92-024; CR 04-05484