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July 27, 2015
L-15-247

10 CFR 50, Appendix E, Section VI

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

SUBJECT:
Beaver Valley Power Station, Unit No. 2
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 (BVPS), Unit No. 2 (BV2) are provided. Per letter L-15-046, dated March 2, 2015, FirstEnergy Nuclear Operating Company (FENOC) notified the NRC of changes made to the BVPS Unit No. 1 (BV1) ERDS DPL that were due to the replacement of a radiation monitoring system. It was not recognized at that time that the BV2 ERDS DPL was also affected by that replacement. This issue has been entered into the corrective action program. The attachment of this letter includes the required details of the changes to the BV2 ERDS DPL, 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. William C. Cothen, Manager – Regulatory Compliance, at 724-682-4284.

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

A026
NRR

Attachment
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Summary of Changes to Data Point Library
(Page 1 of 2)

Reactor Unit	DPL Point	Description of Change(s)
BV2	XR013	<p>Date: Changed to "02/02/2015"</p> <p>Plant Spec Point Desc: changed to "1RM-GW-109 LRNGM"</p> <p>Engr Units/Dig States: "CPM" to "uCi/sec"</p> <p>Engr Units Conversion: to "Xe 133 CF = cps/uCi/cc"</p> <p>Minimum Instr Range: changed to "6.8E-01"</p> <p>Maximum Instr Range: changed to "6.8E+03"</p> <p>Alarm/Trip Set Points: changed to "normally N/A"</p> <p>Unique System Desc.: changed to 1 minute average data. System design is such that either the RM-1GW-109 low range or high range noble gas monitor for each pathway will be in service. At a concentration of 1E-02 uCi/cc on the low range monitor, flow will normally swap to the high range monitor. The listed minimum and maximum instrument ranges listed are based on system software parameter limitations and pathway ODCM release flow rate. In addition, the maximum range is based on a release concentration of 1E-02 uCi/cc, limited by the automatic swap to the high range monitor.</p> <p>Note: Because actual pathway release flow rate may vary, the "Minimum Instr. Range" and "Maximum Instr. Range" may not reflect the actual instrument ranges. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. RM-1GW-109 monitors for low range noble gases at the discharge of the Gaseous Waste Disposal Blowers. Provides alarms to warn the operator of abnormal releases and provides input to calculate integrated release data.</p>
BV2	XR014	<p>Date: Changed to "02/02/2015"</p> <p>Unique System Desc.: "Point deleted per ECP 10-0150"</p> <p>Clear all other fields except Date, Reactor Unit, Data Feeder, Point ID</p>

Attachment
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Summary of Changes to Data Point Library
(Page 2 of 2)

Reactor Unit	DPL Point	Description of Change(s)
BV2	XR015	<p>Date: Changed to "02/02/2015"</p> <p>Plant Spec Point Desc: changed to "1RM-GW-109 HRNGM"</p> <p>Engr Units/Dig States: "CPM" to "uCi/sec"</p> <p>Engr Units Conversion: to "Xe 133 CF = amps/uCi/cc"</p> <p>Minimum Instr Range: changed to "4.3E+01"</p> <p>Maximum Instr Range: changed to "1.8E+11"</p> <p>Alarm/Trip Set Points: changed to "Alert=3.27E+05, High=6.55E+05"</p> <p>Unique System Desc.: changed to 1 minute average data. System design is such that either the RM-1GW-109 low range or high range noble gas monitor for each pathway will be in service. At a concentration of 1E-02 uCi/cc on the low range monitor, flow will normally swap to the high range monitor. Minimum and maximum instrument ranges listed are based on Xe-133 and pathway ODCM release flow rate. Maximum range is based on monitor parameter setting and ODCM release flow rate. Note: Because actual pathway release flow rate may vary, the "Minimum Instr. Range" and "Maximum Instr. Range" may not reflect the actual instrument ranges. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. RM-1GW-109 monitors for high range noble gases at the discharge of the Auxiliary Building shielded area exhaust fans and at the discharge of the Gaseous Waste Disposal Blower. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. Provides alarms to warn the operator of abnormal releases and provides input to calculate integrated release data.</p>

Enclosure
L-15-247

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

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

Date: 2/2/2015

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter: EXTRA15

Point ID: XR013

Plant Spec Point Desc.: 1RM-GW-109 LRNGM

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/sec

Engr Units Conversion: Xe 133 CF = cps/uCi/cc

Minimum Instr Range: 6.8E-01

Maximum Instr Range: 6.8E+03

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: normally 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. System design is such that either the RM-1GW-109 low range or high range noble gas monitor for each pathway will be in service. At a concentration of 1E-2 uCi/cc on the low range monitor, flow will normally swap to the high range monitor. The listed minimum and maximum instrument ranges listed are based on system software parameter limitations and pathway ODCM release flow rate. In addition, the maximum range is based on a release concentration of 1E-2 uCi/cc, limited by the automatic swap to the high range monitor. Note Because actual pathway release flow rate may vary, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. RM-1GW-109 monitors for low range noble gases at the discharge of the Gaseous Waste Disposal Blowers. Provides alarms to warn the operator of abnormal releases and provides input to calculate integrated release data.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 2/2/2015

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter:

Point ID: XR014

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 10-0150

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date: 2/2/2015

Reactor Unit: BV2

Data Feeder: ARERAS

NRC ERDS Parameter: EXTRA17

Point ID: XR015

Plant Spec Point Desc.: 1RM-GW-109 HRNGM

Generic/Cond Desc.: RADIOACTIVITY OF RELEASED GASSES

Analog/Digital: A

Engr Units/Dig States: uCi/sec

Engr Units Conversion: Xe133 CF = amps/uCi/cc

Minimum Instr Range: 4.3E+01

Maximum Instr Range: 1.8E+11

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: Alert=3.27E+5, High=6.55E+5

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. System design is such that either the RM-1GW-109 low range or high range noble gas monitor for each pathway will be in service. At a concentration of 1E-2 uCi/cc on the low range monitor, flow will normally swap to the high range monitor. Minimum and maximum instrument ranges listed are based on Xe-133 and pathway ODCM release flow rate. Maximum range is based on monitor parameter setting and ODCM release flow rate. Note Because actual pathway release flow rate may vary, the "Minimum Instr Range" and "Maximum Instr Range" may not reflect the actual instrument ranges. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. RM-1GW-109 monitors for high range noble gases at the discharge of the Auxiliary Building shielded area exhaust fans and at the discharge of the Gaseous Waste Disposal Blower. Site dose assessment corrects the uCi/s for source term and flow rate differences depending on selected default source term and decay period. Provides alarms to warn the operator of abnormal releases and provides input to calculate integrated release data.