

# Duquesne Light Company

Beaver Valley Power Station  
P.O. Box 4  
Shippingport, PA 15077-0004

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February 12, 1993

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Beaver Valley Power Station, Unit No. 1 and No. 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73  
Emergency Response Data System (ERDS)

This letter is to advise the NRC of the status of the Beaver Valley Power Station ERDS system. Major milestones of the system completed to date include satisfactory completion of the NRC ERDS test on January 22, 1993; completion of the software control, data base change and activation procedures; and completion of training for all applicable personnel on the maintenance and activation of the system.

Beaver Valley Power Station (BVPS) considers the ERDS system ready and operational in the event of an Alert or higher emergency declaration at the site. BVPS is now in complete compliance with NUREG 1394.

In response to comments received from the test of the Beaver Valley Emergency Response Data System (ERDS) with the NRC ERDS computer at the NRC Operations Center on January 22, 1993, the updated data point libraries (DPL's) are being supplied for Beaver Valley Unit 1 and 2 and are enclosed as Attachments 1 and 2, respectively. Additionally, the USNRC Incident Response Branch will be provided with the attachments in an electronic media format. The files are on a 3 1/2 inch disk and are in both ASCII and dBase III/Foxpro formats.

Duquesne Light is submitting this DPL package as the final Data Base for considering ERDS as "on-line and available" for use. Any further modifications to the DPL will be incorporated as single DPL changes rather than updating the entire DPL.

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Beaver Valley Power Station, Unit No. 1 and No. 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73  
Final Rule - 10 CFR Part 50 Emergency Response Data  
System (ERPDS)  
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Any questions regarding this project may be directed to Glen  
McKee at 412-393-5778.

Sincerely,

  
J. D. Sieber

Attachments

cc: Mr. L. W. Rossbach, Sr. Resident Inspector  
Mr. T. T. Martin, NRC Region I Administrator  
Mr. J. R. Jolicoeur, USNRC Incident Response Branch  
Mr. T. P. LaRosa, NUS Corporation/EI Division  
Mr. E. C. McCabe, NRC Region 1, Emergency Preparedness  
Mr. C. Z. Gordon, NRC Region 1, Emergency Preparedness  
Mr. G. E. Edison, Project Manager  
Mr. M. L. Bowling (VEPCO)

ATTACHMENT 1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CORE FLOW
Point ID:	ARCSFLOW
Plant Spec Point Desc.:	RX CLNT LOOP A-AVERAGE FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 120 %/LO ALM @ 92 %
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.:	ARCSFLOW IS THE AVERAGE OF THREE, TWO OR A SINGLE FLOW VALUE DEPEND ING ON THE DEVIATION BETWEEN FLOW SIGNALS. RC-P-1A,B,C EACH HAVE A DESIGN FLOW RATE OF 88,500 GPM @ 549F AND 2235 PSIG. FT-1RC-414,415,416 SENSE FLOW AT THE REACTOR COOLANT PIPE ELBOW BET WEEN SG A OUTLET AND REACTOR COOLANT PUMP RC-P-1A. REF: DP MANUAL C HAPTER 5; RM-406-1; RM-406-3.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 EROS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SG PRESS A
Point ID:	ASGPRESS
Plant Spec Point Desc.:	A S/G AVERAGE PRESSURE
Generic/Cond Desc.:	STEAM GENERATOR A PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	✓
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 1400 PSIG/LO ALM @ 600 PSIG
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	THIS POINT PROVIDES AN AVERAGE OF THREE, TWO, OR A SINGLE STEAM PRESSURE VALVE DEPENDING ON THE DEVIATION BETWEEN THE VALUES. THE ATMOSPHERIC STEAM DUMP VALVES OPEN AT 1025 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. PT-MS-474, 475, 476 SENSE MAIN STEAM LINE PRESSURE BETWEEN THE MAIN STEAM TRIP VALVES AND SG A. O P MANUAL CHAPTER 21, RM-421-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CORE FLOW
Point ID:	BRCFLOW
Plant Spec Point Desc.:	RX CLNT LOOP B-AVERAGE FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 120 %/LO ALM @ 92 %
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	BRCFLOW IS THE AVERAGE OF THREE, TWO OR A SINGLE FLOW VALUE DEPENDING ON THE DEVIATION BETWEEN FLOW SIGNALS. RC-P-1A, B, C EACH HAVE A DESIGN FLOW RATE OF 88,500 GPM AT 549F AND 2235 PSIG. FT-1RC-42 4,425,426 SENSE FLOW AT THE REACTOR COOLANT PIPE ELBOW BETWEEN SG B OUTLET AND REACTOR COOLANT PUMP RC-P-1B. OP MANUAL CHAPTER 6, RM-406-1, RM-406-3

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SG PRESS B
Point ID:	BSDPRESS
Plant Spec Point Desc.:	B S/G AVERAGE PRESSURE
Generic/Cond Desc.:	STEAM GENERATOR 1 PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 1400 PSIG/LO ALM @ 600 PSIG
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.:	THIS POINT PROVIDES AN AVERAGE OF THREE, TWO, OR A SINGLE STEAM PRESSURE VALUE DEPENDING ON THE DEVIATION BETWEEN THE VALUES. THE ATMOSPHERIC STEAM DUMP VALVES OPEN AT 1025 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. PT-MS-484,485,486 SENSE MAIN STEAM LINE PRESSURE BETWEEN THE MAIN STEAM TRIP VALVES AND SG B. O P MANUAL CHAPTER 21, RM-421-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	H2 CONC
Point ID:	CO2D1A
Plant Spec Point Desc.:	CNMT HYD CONCENT 1      H-HY101A
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	CONTAINMENT GAS IS SAMPLED AND ANALYZED AT HYDROGEN ANALYZER H2-HY101A. HYDROGEN CONCENTRATION IS INDICATED LOCALLY AND ON THE MAIN CONTROL BOARD. H2-HY101A SENSES HYDROGEN CONCENTRATION ALTERNATELY IN STREAM 1 THE PRESSURIZER CUBICLE, THEN IN STREAM 2 THE SUCTION LINE FOR THE CONTAINMENT EVACUATION PUMP 1A (CONTAINMENT DOME). OF MANUAL CHAPTER 46, RM-150-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	H2 CONC
Point ID:	C0702A
Plant Spec Point Desc.:	CNMT HYD CONCENT 2      H-HY101B
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	CONTAINMENT GAS IS SAMPLED AND ANALYZED AT HYDROGEN ANALYZER H2-HY101B. HYDROGEN CONCENTRATION IS INDICATED LOCALLY AND ON THE MAIN CONTROL BOARD. H2-HY101B SENSES HYDROGEN CONCENTRATION ALTERNATELY IN STREAM 1 THE PRESSURIZER CUBICLE, THEN IN STREAM 2 THE SUCTION LINE FOR THE CONTAINMENT EVACUATION PUMP 1B (CONTAINMENT DOME). OP MANUAL CHAPTER 46, RM-150-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CORE FLOW
Point ID:	CRCFLOW
Plant Spec Point Desc.:	RX CLNT LOOP C-AVERAGE FLOW
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 120 %/LOW ALM @ 92%
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.:	CRCFLOW IS THE AVERAGE OF THREE, TWO OR A SINGLE FLOW VALUE DEPENDING ON THE DEVIATION BETWEEN FLOW SIGNALS. RC-P-1A,B,C EACH HAVE A DESIGN FLOW RATE OF 88,500 GPM AT 549F AND 2235 PSIG. FT-1RC-434,435,436 SENSE FLOW AT THE REACTOR COOLANT PIPE ELBOW BETWEEN SG C OUTLET AND REACTOR COOLANT PUMP RC-P-1C. OP MANUAL CHAPTER 6, RM-406-1, RM-406-3



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SG PRESS C
Point ID:	CSGPPRESS
Plant Spec Point Desc.:	C 5/G AVERAGE PRESSURE
Generic/Cond Desc.:	STEAM GENERATOR C PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 1400 PSIG/LO ALM @ 600 PSIG
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.:	THIS POINT PROVIDES AN AVERAGE OF THREE, TWO, OR A SINGLE STEAM PRESSURE VALUE DEPENDING ON THE DEVIATION BETWEEN THE VALUES. THE ATMOSPHERIC STEAM DUMP VALVES OPEN AT 1025 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. PT-MS-494,495,496 SENSE MAIN STEAM LINE PRESSURE BETWEEN THE MAIN STEAM TRIP VALVES AND SG C. OP MANUAL CHAPTER 21, RM-421-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	F0128A
Plant Spec Point Desc.:	CHARG PMP DISCH HDR F F-CH122
Generic/Cond Desc.:	PRIMARY SYSTEM CHG OR MU FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	150
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 150 GPM/LO ALM @ -5 GPM
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.:	THREE CHARGING PUMPS WITH A RATED FLOW OF 150 GPM AT 2500 PIG EACH PROVIDE BORATED WATER FROM THE RWST THROUGH FCV-1CH-122 TO THE REACTOR COOLANT LOOPS. FT-1CH-122 SENSES CHARGING FLOW BETWEEN THE DISCHARGE OF PUMPS CH-P-1A,B,C AND THE REGENERATIVE HAT EXCHANGER. O P MANUAL CHAPTER 7, RM-407-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MN FD FL A
Point ID:	FD403A
Plant Spec Point Desc.:	STM GEN A FW IN 1 FLOW F-FW476
Generic/Cond Desc.:	STM GEN A MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LOW ALM @ -2 KLB/HR
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 FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FW47B). DP MANUAL CHAPT ER 24, RM-424-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MW FD FL A
Point ID:	FD404A
Plant Spec Point Desc.:	STM GEN A FW IN 2 FLOW F-FW477
Generic/Cond Desc.:	STM GEN A MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LO ALM @ -2 KLB/HR
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 P&L-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 FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FW47B). OP MANUAL CHAPT ER 24, RM-424-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MN FD FL B
Point ID:	FO423A
Plant Spec Point Desc.:	STM GEN B FW IN 1 FLOW F-FW486
Generic/Cond Desc.:	STM GEN B MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LO ALM @ -2 KLB/HR
H1 Detector Power Supply Cut-off Power Level:	N/A
H1 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 FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FW488). OP MANUAL CHAPTER 24, RM-424-1.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MN FD FL B
Point ID:	F0424A
Plant Spec Point Desc.:	STM GEN B FW IN 2 FLOW F-FW487
Generic/Cond Desc.:	STM GEN B MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LD ALM @ -2 KLB/HR
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	FTW-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 1520 GPM AT 1900 TDH SUPPLY FEEDWATER TO THREE STEAM GENERATORS. FT-1 FW-487 SENSES MAIN FEED FLOW TO SG B BETWEEN THE FIRST POINT FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FWBBB). OP MANUAL CHAPTER 24, RM-424-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MN FD FL C
Point ID:	F0443A
Plant Spec Point Desc.:	STM GEN C FW IN 1 FLOW F-FW496
Generic/Cond Desc.:	STM GEN C MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LO ALM @ -2 KLB/HR
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FW49B). OP MANUAL CHAPTER 24, RM-424-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BVT ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	MN FD FL C
Point ID:	FD444A
Plant Spec Point Desc.:	STM GEN C FW IN 2 FLOW F-FW497
Generic/Cond Desc.:	STM GEN C MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4612
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4400 KLB/HR/LO ALM @ -2 KLB/HR
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 FEED WATER HEATER AND FEED REGULATING VALVE (FCV-FW45B). OP MANUAL CHAPT ER 24, RM-424-1.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	AX FD FL A
Point ID:	FD601A
Plant Spec Point Desc.:	STM GEN A AUX FEED FLOW F-FW100A
Generic/Cond Desc.:	STM GEN A AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SFE 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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	AX FD FL PROVIDED BY 1 STEAM DRIVEN (700 GPM) PUMP (1FW-P-2) AND 2 ELECTRIC DRIVEN (350 GPM) PUMPS (1FW-P-3A,B) TAKING SUCTION ON PRIM PLANT DEMIN STORAGE TANK OR RIVER WATER SYSTEM. AFW PUMP (1FW-P-4 ) TAKES SUCTION FROM THE DEMIN WATER STORAGE TANKS (1WT-TK-11,26) AND PROVIDES 440-700 GPM FLOW TO BRING PLANT TO COLD SHUTDOWN. 1FW-P-4 REQUIRED BECAUSE THE 1ST 3 PUMPS DO NOT COMPLY WITH SEPARATION REQUIREMENTS OF 10CFR50 APP. R. FT-1FW-100A SENSES AX FD FL TO SG A BETWEEN AX FD FL THROTTLE VALVES AND SG A. AX FD HDR CONNECTS WITH MAIN FD LINE DOWNSTREAM OF THE MAIN FEEDWATER ISOL. VALVES.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	AX FD FL B
Point ID:	FD602A
Plant Spec Point Desc.:	STM GEN B AUX FEED FLOW F-FW100B
Generic/Cond Desc.:	STM GEN B AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	AX FD FL PROVIDED BY 1 STEAM DRIVEN (700 GPM) PUMP (1FW-P-2) AND 2 ELECTRIC DRIVEN (350 GPM) PUMPS (1FW-P-3A,B) TAKING SUCTION ON PRIM PLANT DEMIN STORAGE TANK OR RIVER WATER SYSTEM. AFW PUMP (1FW-P-4 ) TAKES SUCTION FROM THE DEMIN WATER STORAGE TANKS (1WT-TK-11,26) AND PROVIDES 440-700 GPM FLOW TO BRING PLANT TO COLD SHUTDOWN. 1FW-P-4 REQUIRED BECAUSE THE 1ST 3 PUMPS DO NOT COMPLY WITH SEPARATION REQUIREMENTS OF 10CFR50 APP. R. FT-1FW-100B SENSES AX FD FL TO SG B BETWEEN AX FD FL THROTTLE VALVES AND SG B. AX FD HDR CONNECTS WITH MAIN FD LINE DOWNSTREAM OF THE MAIN FEEDWATER ISOL. VALVES.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	AX FD FL C
Point ID:	F0603A
Plant Spec Point Desc.:	STM GEN C AUX FEED FLOW F-FW100C
Generic/Cond Desc.:	STM GEN C AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	AX FD FL PROVIDED BY 1 STEAM DRIVEN (700 GPM) PUMP (1FW-P-2) AND 2 ELECTRIC DRIVEN (350 GPM) PUMPS (1FW-P-3A,B) TAKING SUCTION ON PRIM PLANT DEMIN STORAGE TANK OR RIVER WATER SYSTEM. AFW PUMP (1FW-P-4 ) TAKES SUCTION FROM THE DEMIN WATER STORAGE TANKS (1WT-TK-11,26) AND PROVIDES 440-700 GPM FLOW TO BRING PLANT TO COLD SHUTDOWN. 1FW-P-4 REQUIRED BECAUSE THE 1ST 3 PUMPS DO NOT COMPLY WITH SEPARATION REQUIREMENTS OF 10CFR50 APP. R. FT-1FW-100C SENSES AX FD FL TO SG C BETWEEN AX FD FL THROTTLE VALVES AND SG C. AX FD HDR CONNECTS WITH MAIN FD LINE DOWNSTREAM OF THE MAIN FEEDWATER ISOL. VALVES.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	HP S1 FLOW
Point ID:	F5940A
Plant Spec Point Desc.:	FILL HEADER HHS1 FLOW - F-S1940
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE FLOW FROM THE HIGH HEAD SAFETY INJECTION PUMPS IN TO THE HOT AND COLD REACTOR COOLANT LOOPS A,B, AND C. CH-P-1A,B,C PROVIDE A HHS1 FLOW RATE OF 4800 GPM AT 2500 PSIG. FT-1S1-940 SENSES FLOW AT THE DISCHARGE OF CH-P-1A,B, AND C PRIOR TO THE HEADER CONNECTION TO THE HOT AND COLD LEGS OF REACTOR COOLANT LOOPS A, B, AND C. DP MANUAL CHAPTER 11, RM-411-1, RM-407-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
ERC ERDS Parameter:	HP S1 FLOW
Point ID:	F5943A
Plant Spec Point Desc.:	B1T HHS1 FLOW F-S1943
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE FLOW FROM THE HIGH HEAD SAFETY INJECTION PUMPS IN TO THE PORON INJECTION TANK HEADER. CH-P-1A,B,C PROVIDE A HHS1 FLOW RATE OF 4800 GPM AT 2500 PSIG. FT-1S1-943 SENSES FLOW FROM THE DISCHARGE OF CH-P-1A,B, AND C TO THE HIGH HEAD SAFETY INJECTION HEADER CONNECTION TO THE BORON INJECTION TANK. DP MANUAL CHAPTER 11, R M-411-1, RM-407-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	LP SI FLOW
Point ID:	F5945A
Plant Spec Point Desc.:	SI-P-1A DISCHARGE FLOW F-SI945
Generic/Cond Desc.:	LOW PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LDW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	LOW HEAD SAFETY INJECTION PUMP SI-P-1A TAKES A SUCTION ON THE BWST AND PROVIDES RATED FLOW OF 3000 GPM AT 111 PSIG TO THE REACTOR COOLANT LOOPS. FT-1SI-945 SENSES FLOW AT THE DISCHARGE OF THE LOW HEAD SAFETY INJECTION PUMP SI-P-1A. OP MANUAL CHAPTER 11, RM-407-1, RM-411-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	LP S1 FLOW
Point ID:	F5946A
Plant Spec Point Desc.:	S1-P-1B DISCHARGE FLOW F-S1946
Generic/Cond Desc.:	LOW PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	LOW HEAD SAFETY INJECTION PUMP S1-P-1B TAKES A SUCTION ON THE BWST AND PROVIDES RATED FLOW OF 3000 GPM AT 111 PSIG TO THE REACTOR COOLANT LOOPS. FT-1S1-9496 SENSES FLOW AT THE DISCHARGE OF THE LOW HEAD SAFETY INJECTION PUMP S1-P-1B. OP MANUAL CHAPTER 11, RM-407-1, RM-411-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SG LEVEL A
Point ID:	L0403A
Plant Spec Point Desc.:	STM GEN A WR LEVEL L-FW477
Generic/Cond Desc.:	STEAM GENERATOR A WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 70 %/LO ALM @ 43 %
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.:	LT-1FW-477 SENSES WIDE RANGE SG A LEVEL AND TRANSMITS A SIGNAL TO THE MAIN CONTROL BOARD, THE EMERGENCY SHUTDOWN PANEL AND THE AUXILIARY FEED PUMP ROOM. (SEE ATTACHED % LEVEL VRS. GALLONS CURVE) LT-1FW-477 SENSES WIDE RANGE LEVEL BETWEEN THE UPPER TAP AT 789' 11" AND THE LOWER TAP AT 752' ON SG A. ZERO REF: TOP OF U TUBES ELEV 775'9". NORMAL WATER LEVEL IS AT ELEV 783'2". REF: OP MAN. CHAP. 24; ISO 6.24-2743

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

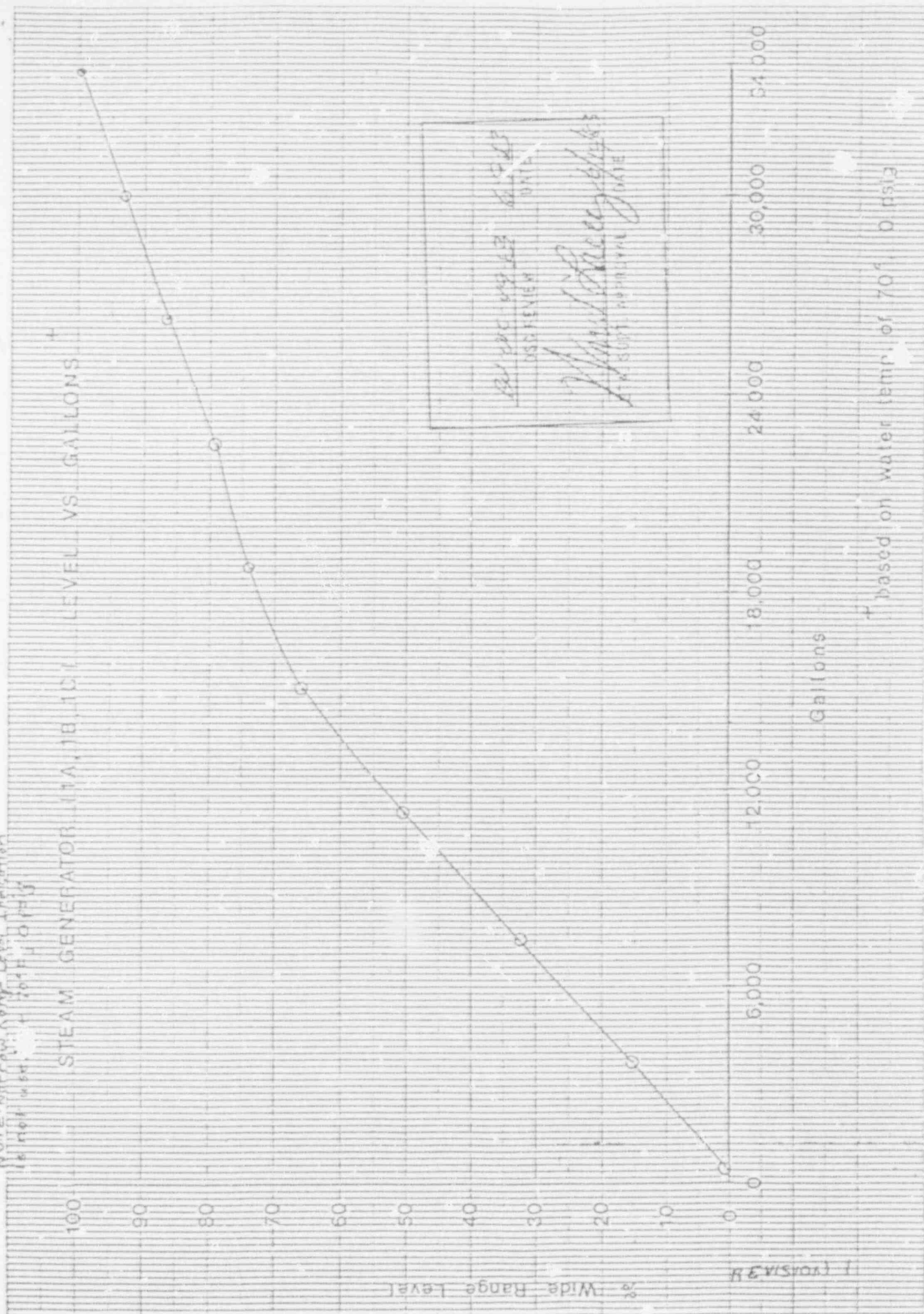
Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SG LEVEL B
Point ID:	L0423A
Plant Spec Point Desc.:	STM GEN B WR LEVEL L-FW487
Generic/Cond Desc.:	STEAM GENERATOR B WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 70 %/LO ALM @ 43 %
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.:	LT-1FW-487 SENSES WIDE RANGE SG B LEVEL AND TRANSMITS A SIGNAL TO THE MAIN CONTROL BOARD, THE EMERGENCY SHUTDOWN PANEL AND THE AUXILIARY FEED PUMP ROOM. (SEE ATTACHED % LEVEL VRS. GALLONS CURVE). LT-1FW-487 SENSES WIDE RANGE LEVEL BETWEEN THE UPPER TAP AT 789' 11" AND THE LOWER TAP AT 742' ON SG B. ZERO REF: TOP OF U-TUBES ELEV 775' 9". NORMAL WATER LEVEL IS AT ELEV 783' 2". REF: OP MAN. CHAP. 24-2744

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
WRC ERDS Parameter:	SG LEVEL C
Point ID:	LD443A
Plant Spec Point Desc.:	STM GEN C WR LEVEL      L-FW497
Generic/Cond Desc.:	STEAM GENERATOR C WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 70 %/LO ALM @ 43 %
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.:	LT-1FW-497 SENSES WIDE RANGE SG C LEVEL AND TRANSMITS A SIGNAL TO THE MAIN CONTROL BOARD, THE EMERGENCY SHUTDOWN PANEL AND THE AUXILIARY FEED PUMP ROOM. (SEE ATTACHED % LEVEL VRS. GALLONS CURVE). LT-1FW-497 SENSES WIDE RANGE LEVEL BETWEEN THE UPPER TAP AT 789' 11" AND THE LOWER TAP AT 742' ON SG C. ZERO REF: TOP OF U-TUBES ELEV 775' 9". NORMAL WATER LEVEL IS AT ELEV 783' 2". REF: OP MAN. CHAP. 24-2745.



NOTE: Natural Range Level Indication  
is not used, + 2048, 0 PSI



\* based on water temp. of 70°, 0 psia

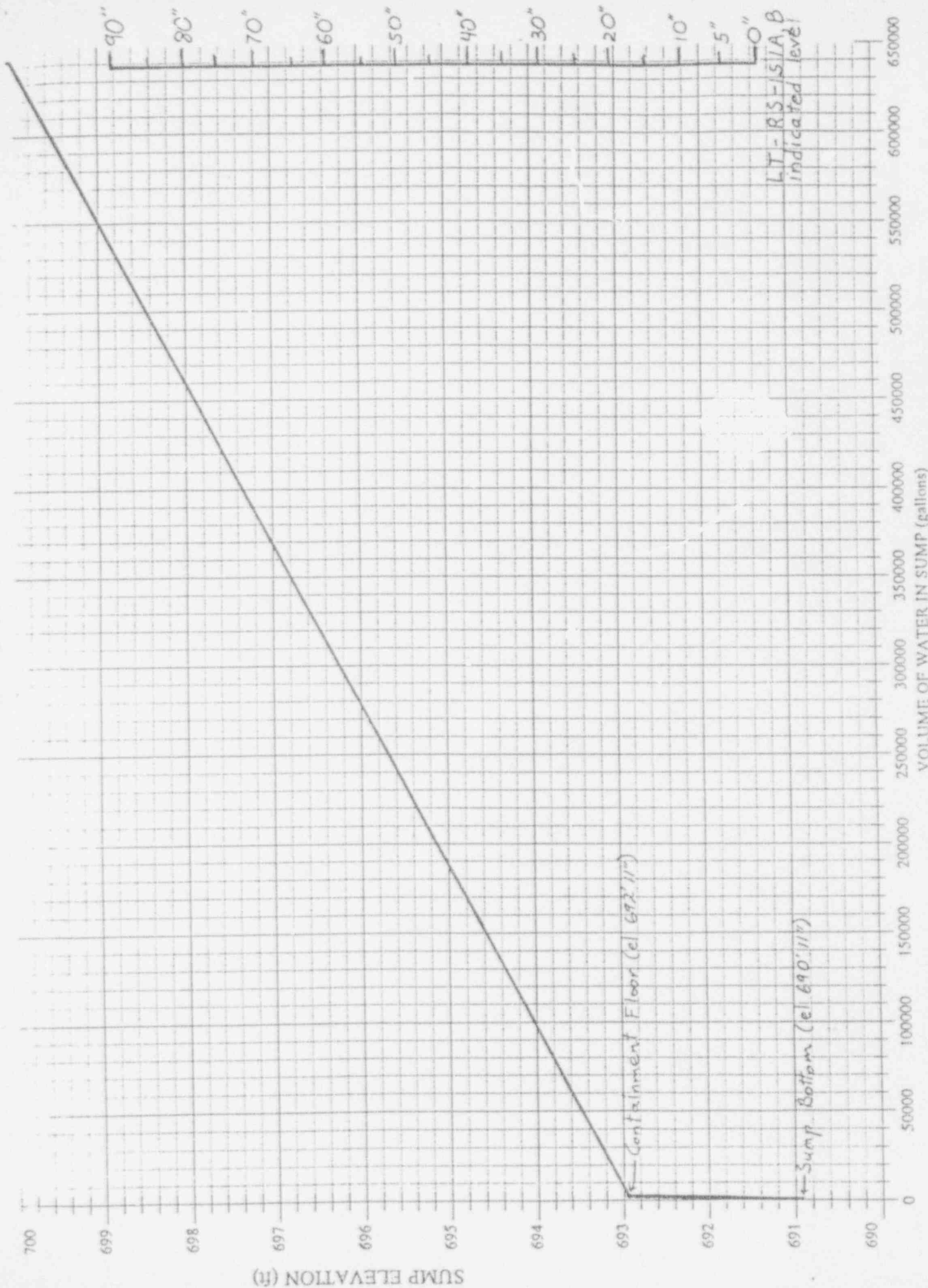
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	LD75DA
Plant Spec Point Desc.:	RECIRC SUMP WTR L 1 L-RS151A
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	90
Zero Point Reference:	COMPLX
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SEKS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 72 IN
H1 Detector Power Supply Cut-off Power Level:	N/A
H1 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.:	LT-1RS-151A PROVIDES WIDE RANGE CONTAINMENT SUMP INDICATION AT THE MAIN CONTROL BOARD. LT-1RS-151A SENSES NORTH SIDE CONTAINMENT SUMP LEVEL (INSIDE RECIRCULATING SPRAY PUMP 1A SUMP). ZERO REF: 6" ABOVE SUMP BOTTOM. REF: OP MAN. CHAP. 13

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT SMP WS
Point ID:	L0751A
Plant Spec Point Desc.:	RECIRC SUMP WTR L 2 L RS151B
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	90
Zero Point Reference:	COMPLX
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 72 IN
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	LT-1RS-151B PROVIDES WIDE RANGE CONTAINMENT SUMP INDICATION AT THE MAIN CONTROL BOARD. LT-1RS-151B SENSES NORTH SIDE CONTAINMENT SUMP LEVEL (INSIDE RECIRCULATING SPRAY PUMP 1B SUMP). ZERO REF: 6" ABOVE SUMP BOTTOM. REF: DP MAN. CHAP. 13

# BVPS UNIT 1



LT-RS-51A,B  
Indicated level

## UNIT 1 CONTAINMENT SUMP VOLUME vs ELEVATION

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CNMNT SMP NR
Point ID:	LD752A
Plant Spec Point Desc.:	CNMT SUMP WTR L 3 L-DA100
Generic/Cond Desc.:	CNMNT SUMP NARROW RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	3
Maximum Instr Range:	15
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 8.5 IN/LO ALM @ 3.0 IN
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.:	LT-1DA-100 PROVIDES NARROW RANGE CONTAINMENT SUMP INDICATION AT THE MAIN CONTROL BOARD AND PROVIDES START/STOP SIGNALS TO THE CONTAINMENT SUMP PUMPS. LT-1DA-100 SENSES WATER LEVEL IN THE SOUTH SIDE OF THE CONTAINMENT SUMP (720 GAL). OP MANUAL CHAPTER 9



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	READ VES LEV
Point ID:	L3204A
Plant Spec Point Desc.:	RX VESSEL FULL RANGE LEVEL - A
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	TAF
Reference Point Notes:	TAF=728'8"(274" FROM BOT RX VESS)=62.5%
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation for DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AND INCORE INSTRUMENTATION TUBE #8 AT THE SEAL TABLE ARE THE SENSING POINTS. REFERENCE LINE TUBING RUNS FROM THESE POINTS TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTNT WALL TO HYDRAULIC ISOLATOR S. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CNMHT TEMP. COMPENSATION. ICCM RECEIVES TRANSMITTER OUTPUT. READING IS INVALID IF RCPS ARE RUNNING. LT-1RC-1311 SENSES RX VES LEV BETWEEN THE TOP OF THE RX VES HEAD ELEV 745'10" TO THIMBLE GUIDE TUBE #8 ELEV 705'10"

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date: 11/14/92

Reactor Unit: BV1

Data Feeder: PVC

NRC ERDS Parameter: REAC VES LEV

Point ID: L3206A

Plant Spec Point Desc.: RX VESSEL DYNAMIC LEVEL - A

Generic/Cond Desc.: REACTOR VESSEL WATER LEVEL

Analog/Digital: A

Engr Units/Dig Scale: %

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 120

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: S

Number Of Sensors: 1

How Processed: N/A

Sensor Locations: 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

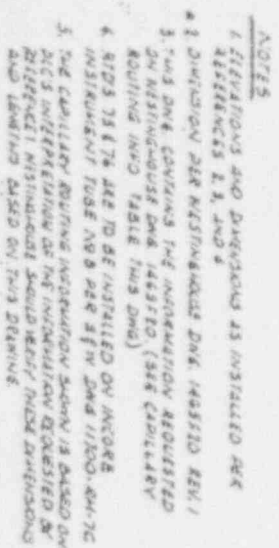
Instrument Failure Mode: LOW

Temperature Compensation For DP Transmitters: Y

Level Reference Leg: WET

Unique System Desc.:

CONNECTIONS TO THE RX VESSEL AT THE INCORE INSTRUMENTATION TUBES USE RX VESSEL CORE AND INTERNAL DP. REFERENCE LINE TUBING RUNS FROM THE INSTRUMENT TUBES TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTMNT WALL TO HYDRAULIC ISOLATORS. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CNTMNT TEMP. COMPENSATION. ICCM RECEIVES TRANSMITTER OUTPUT. THIS READING IS INVALID UNLESS THE RCPS ARE RUNNING. LT-1RC-1312 SENSES DP ACROSS RX VESSEL AND INTERNALS WHEN ANY RCPS ARE RUNNING.



BRAIN 131

1. 530.0 - 2.72 - 3.7	(A 46.5, 20)
2. 520.0 - 5.11 - 9	(5 4 8, 25.5, 5)
3. 520.0 - 5.11 - 9	(12.5, 6.5, 5.5)
4. 510.0 - 3.2 - 11	(20.5, 34.7, 2.2)
5. 510.0 - 4.70 - 34.7	
6. 510.0 - 5.24 - 35.3	

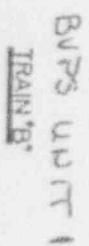


BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	REAC VES LEV
Point ID:	L321DA
Plant Spec Point Desc.:	RX VESSEL FULL RANGE LEVEL - B
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	TAF
Reference Point Notes:	TAF=728'8"(274" FROM BOT RX VESS)=62.5%
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	/
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AND INCORE INSTRUMENTATION TUBE #B AT THE SEAL TABLE ARE THE SENSING POINTS. REFERENCE LINE TUBING RUNS FROM THESE POINTS TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTNT WALL TO HYDRAULIC ISOLATION. RTD'S ARE INSTALLED ON CAPILLIARY LINES FOR CNMNT TEMP. COMPENSATION. ICCM RECEIVES TRANSMITTER OUTPUT. READING IS INVALID IF RCPS ARE RUNNING. LT-1RC-1321 SENSES RX VES LEV BETWEEN THE TOP OF THE RX VES HEAD ELEV 745'10" TO THIMBLE GUIDE TUBE #B ELEV 705'10"

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	REA: VES LEV
Point ID:	L3212A
Plant Spec Point Desc.:	RX VESSEL DYNAMIC RANGE - B
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	ICCM RVLIS ALGORITHM
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VESSEL AT THE INCORE INSTRUMENTATION TUBES SE NSE RX VESSEL CORE AND INTERNAL DP. REFERENCE LINE TUBING RUNS FROM THE INSTRUMENT TUBES TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTMNT WALL TO HYDRAULIC ISOLAT ORS. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CNTMNT TEMP. COMPE NSATION. ICCM RECEIVES TRANSMITTER OUTPUT. THIS READING IS INVALID UNLESS THE RCPS ARE RUNNING. LT-1RC-1322 SENSES DP ACROSS RX VESSEL AND INTERNALS WHEN ANY RCPS ARE RUNNING.



40

RC-R-1

## REACTOR VESSEL

CAB

6-16-63

WITH ALL INTERNALS &amp; FUEL

CAPACITY 27,728 GAL

## ASSUMPTIONS:

1. INTERNALS ARE UNIFORMLY DISTRIBUTED
2. TOTAL WATER VOLUME WITH CORE & INTERNALS INSTALLED IS 3707  $\text{ft}^3$  AT 2235 PSIG & 650°F PER OP. MANUAL, CHAP. 6
3. VOLUME OF EMPTY VESSEL WAS CALCULATED, AND FINAL CURVE WAS DRAWN IN PROPORTION FOR A FILLED VOLUME OF 3707  $\text{ft}^3$

LEVEL (FEET)

36

32

28

24

20

16

12

8

4

NOZZLE CENTERLINE  
MIN.  
OVERFLOW POINT

TOP OF FUEL ASSY.

BOTTOM OF FUEL ASSY.

BY OK-14-63

6-9-63

DESIGN REVIEW

DATE

*W. J. Lacey*  
CHIEF ENGINEER

*6/16/63*  
DATE

REVISION

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 SOURC RNG
Point ID:	ND031A
Plant Spec Point Desc.:	SOURCE RNG DETECTOR 1 LOG Q
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	LOG Y = 6/5 (VOLTS) -1
Minimum Instr Range:	1
Maximum Instr Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 90,000 CPS/LOW ALM @ 0 CPS
N1 Detector Power Supply Cut-off Power Level:	1/2INTRNG>1E-10
N1 Detector Power Supply Turn-on Power Level:	2/2INTRNG<1E-10
Instrument Failure Mode:	LOW
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	SOURCE RANGE PROVIDES POWER LEVEL INDICATION FROM ABOUT 10E-10 % TO 10E-4 %. SOURCE RANGE POWER LEVEL IS CALIBRATED FROM 1 TO 10E6 CO UNITS PER SECONDS. N-31 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 SOURC RNG
Point ID:	N0032A
Plant Spec Point Desc.:	SOURCE RNG DETECTOR 2 LOG Q
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Eng. Units/Dig States:	CPS
Engr Units Conversion:	LOG Y = 6/5 (VOLTS) -1
Minimum Instr Range:	1
Maximum Instr Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALARM @ 90,000 CPS
N1 Detector Power Supply Cut-off Power Level:	1/2INTRNG>1E-10
N1 Detector Power Supply Turn-on Power Level:	2/2INTRNG<1E-10
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	SOURCE RANGE PROVIDES POWER LEVEL INDICATION FROM ABOUT 10E-10 % TO 10E-4 %. SOURCE RANGE POWER LEVEL IS CALIBRATED FROM 1 TO 10E6 CO UNITS PER SECOND. N-32 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) O P MANUAL CHAPTER 2



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 INTER RNG
Point ID:	N0035A
Plant Spec Point Desc.:	INTERM RNG DETECTOR 1 LOG Q(HI)
Generic/Cond Desc.:	NUC INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LOG Y = 8/5 (VOLTS) -5
Minimum Instr Range:	10E-11
Maximum Instr Range:	10E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 1.3E-4 AMP/LOW ALM @ 0 AMP
N1 Detector Power Supply Cut-off Power Level:	2/4 PWR RNG>10%
N1 Detector Power Supply Turn-on Power Level:	3/4 PWR RNG<10%
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	INTERMEDIATE RANGE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6 % TO 10E2 % FULL RATED POWER. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL THE REACTOR POWER LEVEL RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL. (~1% FULL POWER), N-35 (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Field:	PVC
NRC ERDS Parameter:	N1 INTER RNG
Point ID:	ND036A
Plant Spec Point Desc.:	INTERM RNG DETECTOR 2 LOG Q(HI)
Generic/Cond Desc.:	HUC INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LOG Y = B/5 (VOLTS) -5
Min % Instr Range:	10E-11
Maximum Instr Range:	10E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 1.3E-4 AMP/LOW ALM @ 0 AMP
N1 Detector Power Supply Cut-off Power Level:	2/4 PWR RNG>10%
N1 Detector Power Supply Turn-on Power Level:	3/4 PWR RNG<10%
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	INTERMEDIATE RANGE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6 % TO 10E2 % FULL RATED POWER. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL THE REACTOR POWER LEVEL RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL. (~ 1 % FULL POWER). N-36 (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	NI POWER RNG
Point ID:	W0049A
Plant Spec Point Desc.:	PWR RNG CHANNEL 1 Q (QUAD 4)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LOW POWER @ -3 %/HI ALM @ 105 %
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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. N-41A & N-41B (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 POWER RNG
Point ID:	ND050A
Plant Spec Point Desc.:	PWR RNG CHANNEL 2 Q (QUAD 2)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LOW POWER @ -3 %/HI ALM @ 105%
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS, N-42A & N-42B (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2

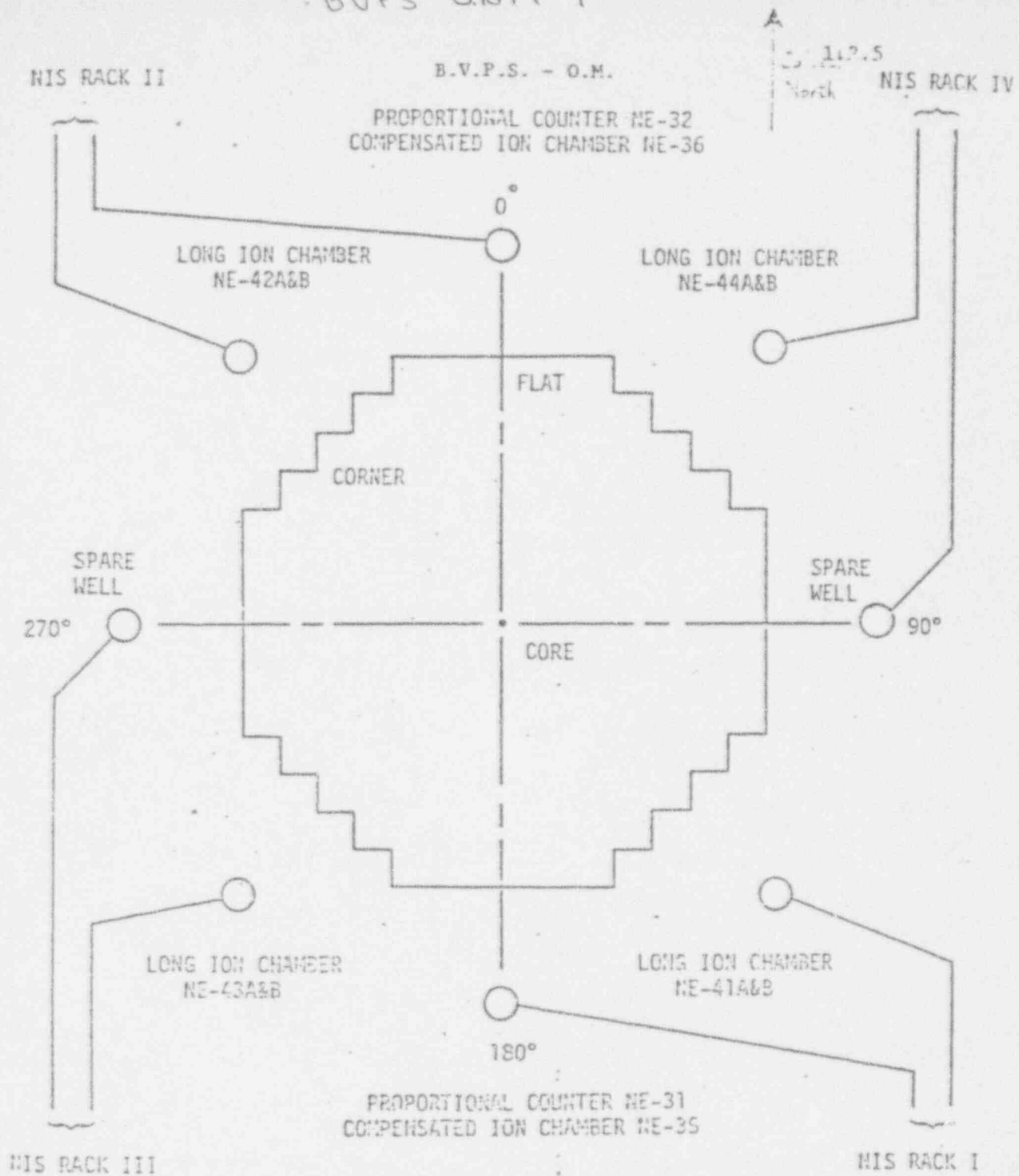
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 POWER RNG
Point ID:	ND051A
Plant Spec Point Desc.:	PWR RNG CHANNEL 3 Q (QUAD 1)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENSE:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LOW POWER @ -3 %/KI ALM @ 105%
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. N-43A & N-43B (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	N1 POWER RNG
Point ID:	N0052A
Plant Spec Point Desc.:	PWR RNG CHANNEL 4 Q (QUAD 3)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LOW POWER @ -3 %/HI ALM @ 105%
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS, N-44A & N-44B (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2.

# BURS UNIT 1



NIS DETECTOR LOCATIONS

TOP VIEW

FIGURE 2-5

ISSUE 2  
REVISION 5

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	P0498A
Plant Spec Point Desc.:	RCS LOOP 2 PRESS      PT-RC403
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	3000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 2275 PSIG/LD ALM @ 0 PSIG
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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-1RC-403 PROVIDES WIDE RANGE PRESSURE INDICATION AT THE MAIN CONTROL BOARD, AND THE BACK-UP INDICATING PANEL. PT-1RC-403 ALSO PROVIDES AN OPEN AND CLOSE SIGNAL TO PORV (PCV-1RC-455C). PT-1R-403 IS LOCATED IN CONTAINMENT. PT-1RC-403 SENSES PRESSURE BETWEEN THE REACTOR VESSEL AND LOOP B HOT LEG ISOLATION VALVE MOV-1RC-592. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	P0499A
Plant Spec Point Desc.:	RCS LOOP 3 PRESS      P-RC402
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	3000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 2275 PSIG/LO ALM @ 0 PSIG
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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-1RC-402 IS RCS WIDE RANGE PRESSURE INDICATION AT THE MAIN CONTROL BOARD, AND THE BACK-UP INDICATING PANEL. PT-1RC-402 ALSO PROVIDES AN OPEN AND CLOSE SIGNAL TO PORV (PVC-1RC-455D). PT-1RC-402 IS LOCATED IN CONTAINMENT. PT-1RC-402 SENSES PRESSURE BETWEEN THE REACTOR VESSEL AND LOOP C HOT LEG ISOLATION VALVE MOV-1RC-594. DP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	P1008A
Plant Spec Point Desc.:	WIDE RANGE CNMT PRESS 5 P-LM101A
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 Locations:	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:	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-LM-100A1 AND A2 (CONTAINMENT ISOLATION VALVES) AND CONTAINMENT. DP MANUAL CHAPTER 12



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	P1009A
Plant Spec Point Desc.:	WIDE RANGE CNMT PRESS 6 P-LM101B
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 Locations:	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:	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-LM-100A1 AND A2 (CONTAINMENT ISOLATION VALVES) AND CONTAINMENT. OP MANUAL CHAPTER 12.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	PZRLEVEL
Plant Spec Point Desc.:	PRZ AVERAGE NARROW RANGE LEVEL
Generic/Cond Desc.:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital:	
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TOPHTR
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE POINT
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 60 %/LO ALM @ 12 %
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.:	PZRLEVEL CAN BE THE AVERAGE OF THREE, TWO OR ONE LEVEL TRANSMITTER SIGNAL DEPENDING ON THE DEVIATION OF BETWEEN VALUES. SEE ATTACHED CURVE OF % LEVEL VRS PRESSURIZER VOLUME IN GALLONS. LT-1RC-459, 4 60, 461 SENSE PRESSURIZER LEVEL FROM 74B' 1/4" (LOWER TRANSMITTER TAP) TO 781' 2 5/8" (UPPER TRANSMITTER TAP). ZERO REF: MINIMUM WATER LEVEL IS AT 752' 1 1/4" OR APPROXIMATELY 12%. REF: DP MANUAL CHAPTER 6; 8700-415.6A; 8700-6.24-C12821

KL-1K-1

2/15/82

TANK CAPACITY 10,548.4 GAL.  
MAX. LEVEL 39.17 FT.

CONTROL  
ROOM  
INDICATIONS

100%


75%

50%

25%

0%

TANK LEVEL (FEET)

	
DESIGNED BY	DATE
REVISED BY	DATE
APPROVED BY	DATE
J. M. [illegible] 3/1/80	
DATE	

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40

0 2000 4000 6000 8000 10000

REVISION 1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	PZRPRESS
Plant Spec Point Desc.:	PRZ AVERAGE PRESSURE
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	1700
Maximum Instr Range:	2500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	PZRPRESS IS COMPOSED OF THREE PRESSURIZER PRESSURES, THE POINT CAN BE THE AVERAGE OF THREE, AVERAGE OF TWO OR A SINGLE VALUE DEPENDING ON THE DEVIATION OF VALUES.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	COND A/E RAD
Point ID:	RD029A
Plant Spec Point Desc.:	CONDENSER AIR EJEC ACTIV R-SV100
Generic/Cond Desc.:	COND AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 3000CPM/LO ALM @ -100 CPM
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.:	RM-1SV-100 CONTINUOUSLY MONITORS THE EFFLUENT FOR GASEOUS ACTIVITY (I-131, XE-133, KR-85) FROM THE CONDENSER AIR EJECTOR VENT. AN ALARM INDICATES A PRIMARY TO SECONDARY LEAK. A HIGH-HIGH RADIOACTIVITY ALARM DIVERTS THE GASEOUS DISCHARGE TO THE CONTAINMENT BUILDING FOR SUBSEQUENT DISCHARGE THROUGH THE ELEVATED RELEASE POINT. A BETA SCINTILLATION DETECTOR CONTINUOUSLY MONITORS THE CONDENSER AIR EJECTOR VENT. OP MANUAL CHAPTER 43, RM-422-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	EFF L10 RAD
Point ID:	R0030A
Plant Spec Point Desc.:	LIQUID DISCH RAD MONITOR R-LU104
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 18000 CPM/LO ALM @ -1600 CPM
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	RM-1LW-104 MONITORS THE ACTIVITY (CO-60 & CS-137) OF ANY RADIOACTIV E LIQUID WASTE DISCHARGED FROM THE STATION. A HIGH-HIGH ACTIVITY AUTOMATICALLY TERMINATES FLOW BY CLOSING THE DISCHARGE LINE ISOLAT ION VALVES. A GAMMA SCINTILLATION DETECTOR MONITORS THE ACTIVITY OF RADIOACTIVE LIQUID WASTE DISCHARGED DOWNSTREAM OF THE LAST POINT O F RADIOACTIVE EFFLUENT ADDITION TO THE DISCHARGE HEADER. OP MANUA L CHAPTER 43, RM-417-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
I Feeder:	PVC
NRC ERDS Parameter:	SG BD RAD
Point ID:	R0034A
Plant Spec Point Desc.:	STM GEN BLOWDOWN ACTIV R-BD100
Generic/Cond Desc.:	STM GEN A/B/C BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 1230 CPM/LO ALM @ -100 CPM
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	RM-1BD-100 MONITORS THE BLOWDOWN DISCHARGED FROM THE BLOWDOWN HEAT EXCHANGER DISCHARGE LINE FOR CO-60 AND CS-137. A HIGH-HIGH ALARM MAY INDICATE A PRIMARY TO SECONDARY LEAK. A GAMMA SCINTILLATOR DETECTS ACTIVITY FROM SAMPLES TAKEN AT THE DISCHARGE OF THE BLOWDOWN DRAIN HEAT EXCHANGER. OF MANUAL CHAPTER 43.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	R0036A
Plant Spec Point Desc.:	RC LTDN HI RNG ALIV R-CH101A
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 6.0E5 CPM/LO ALM @ -6.4E3 CPM
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	RM-1CH-101A MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT (CO-60 & CS-137) BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE AND DELAYING THEM TO PERMIT SUFFICIENT DECAY OF THE N 16 ISOTOPE BEFORE THEY PASS BY THE DETECTORS. THIS IS AN INDICATION OF FISSION PRODUCTS PRESENT IN THE REACTOR COOLANT. THIS RADIATION MONITOR PROVIDES THE LOW AND HIGH RANGE INDICATION. A GAMMA SCINTILLATION DETECTOR MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE DOWNSTREAM OF THE NON-REGENERATIVE HEAT EXCHANGER. OP MANUAL CHAPT. 43, RM-401-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	R0037A
Plant Spec Point Desc.:	RC LTDN LO RNG ACTIV R-CH101B
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 4.0E4 CPM/LO ALM @ -6.4E3 CPM
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	RM-1CH-101B MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT (CO-60 & CS-137) BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE AND DELAYING THEM TO PERMIT SUFFICIENT DECAY OF THE N 16 ISOTOPE BEFORE THEY PASS BY THE DETECTORS. THIS IS AN INDICATION OF FISSION PRODUCTS PRESENT IN THE REACTOR COOLANT. THIS RADIATION MONITOR PROVIDES THE LOW AND HIGH RANGE INDICATION. A GAMMA SCINTILLATION DETECTOR MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE DOWNSTREAM OF THE NON-REGENERATIVE HEAT EXCHANGER. OP MANUAL CHAPT. 43, RM-407-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameters:	CNTMNT RAD
Point ID:	R0070A
Plant Spec Point Desc.:	CNMT AREA HI RNG RAD1 RIS-RM219A
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 3 R/HR
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.:	RM-1RM-219A FUNCTIONS AS AN ACCIDENT DETECTOR MEASURING RADIATION LEVELS INSIDE CONTAINMENT. AN ION CHAMBER DETECTOR FORS ACCIDENT RADIATION LEVELS INSIDE CONTAINMENT ON THE CRANE AREA ABOVE THE OPERATING FLOOR. OP MANUAL CHAPTER 43

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	R0071A
Plant Spec Point Desc.:	CNMT AREA HI RNG RAD2 R15-RM219B
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 3 R/HR
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	RM-1RM-219B FUNCTIONS AS AN ACCIDENT DETECTOR MEASURING RADIATION LEVELS INSIDE CONTAINMENT. AN ION CHAMBER DETECTOR MONITORS ACCIDENT RADIATION LEVELS INSIDE CONTAINMENT ON THE CRANE WALL ABOVE THE OPERATOR FLOOR. DP MANUAL CHAPTER 43

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/20/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	BWST LEVEL
Point ID:	RWSTLEV
Plant Spec Point Desc.:	RWST AVERAGE LEVEL 1/2/3
Generic/Cond Desc.:	BORATED WATER STORAGE TANK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	55
Zero Point Reference:	COMPLX
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE POINT
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	<p>THE BWST AT BV1 IS REFERRED TO AS "REFUELING WATER STORAGE TANK" (RWST). THERE IS ONE RWST AT BV1 WITH A CAPACITY OF 446,035 GALLONS. THERE IS ABOUT 6,000 UNUSABLE GALLONS BELOW THE QUENCH SPRAY PUMP SUCTION. THERE ARE APPROXIMATELY 8483 GALLONS/FT. IN THE RWST. (SEE ATTACHED TANK CURVE). RWSTLEV SIGNAL IS THE AVERAGE OF 3, 2 OR A SINGLE VALUE DEPENDING ON THE DEVIATION BETWEEN VALUES. LT-105-100A ,B,C SENSE LEVEL IN THE BWST AT THE 736' 6" ELEVATION. ZERO PT. REF : THE BOTTOM OF BWST IS AT 735' 6" ELEVATION AND THE SUCTION LINE F OR QUENCH SPRAY PUMPS IS AT 736' 3" ELEVATION. REF: RM-413-1</p>

QS-TK-1

REFUELING WATER STORAGE TANK

2-25-83

CHD

REVISION 1

BY-CSC-14-83 2-15-83

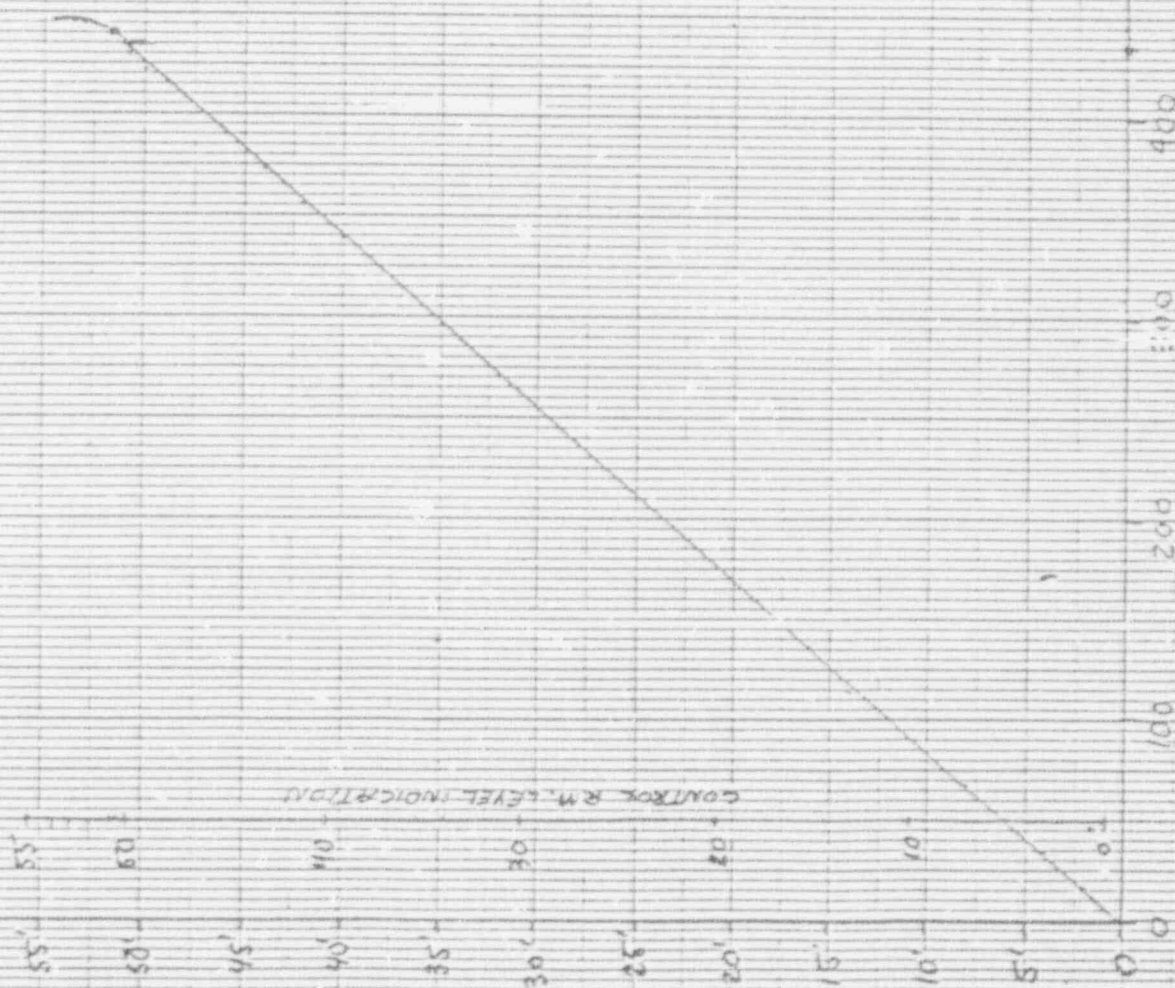
*Jim S. Lacey* 2/1/83  
 CHD APPROVAL DATE

TANK CAPACITY 446,035 GAL  
 MAX. LEVEL 54.36 FT

TANK VOLUME (GALLONS X 1000)

QS-TK-1

ACTUAL TANK LEVEL (FEET)  
 CONTROL RM. LEVEL INDICATION



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPLT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CL TEMP A
Point ID:	T0406A
Plant Spec Point Desc.:	RCLA COLD TEMP                      T-RC410
Generic/Cond Desc.:	STM GEN A OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 650 DEGF/LO ALM @ 32 DEGF
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	RX. COOLANT LOOP A COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. T-RC-410 IS LOCATED BETWEEN RC-P-1A DISCHARGE AND THE A LOOP STOP VALVE. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	HL TEMP A
Point ID:	TD419A
Plant Spec Point Desc.:	RCLA HOT TEMP T-RC413
Generic/Cond Desc.:	STM GEN A INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF
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.:	RX. COOLANT LOOP A HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN C ONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTE RS. T-RC-413 IS LOCATED BETWEEN A LOOP STOP VALVE AND COOLANT INLE T TO SG A. OP MANUAL CHAPTER 6, RM-406-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CL TEMP B
Point ID:	T0426A
Plant Spec Point Desc.:	RCLB COLD TEMP T-RC420
Generic/Cond Desc.:	STM GEN B CUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF
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.:	RX. COOLANT LOOP B COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. T-RC-420 IS LOCATED BETWEEN RC-P-1B DISCHARGE AND THE B LOOP STOP VALVE. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	HL TEMP B
Point ID:	T0439A
Plant Spec Point Desc.:	RCLB HOT TEMP T-RC423
Generic/Cond Desc.:	STM GEN B INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 650 DEGF/LD ALM @ 32 DEGF
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	RX. COOLANT LOOP B HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. T-RC-423 IS LOCATED BETWEEN B LOOP STOP VALVE AND COOLANT INLET TO SG B. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CL TEMP C
Point ID:	T0446A
Plant Spec Point Desc.:	RCLC COLD TEMP T-RC430
Generic/Cond Desc.:	STM GEN C OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	RX. COOLANT LOOP C COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. T-RC-430 IS LOCATED BETWEEN RC-P-1C DISCHARGE AND THE C LOOP STOP VALVE. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	HL TEMP C
Point ID:	T0459A
Plant Spec Point Desc.:	RCLC HOT TEMP T-RC433
Generic/Cond Desc.:	STM GEN C INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF
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.:	RX. COOLANT LOOP C HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN C ONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTE RS. T-RC-433 IS LOCATED BETWEEN C LOOP STOP VALVE AND COOLANT INLE T TO SG C. OP MANUAL CHAPTER 6, RM-406-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	U1000
Plant Spec Point Desc.:	AVERAGE CNMT PRESSURE 1/2/3
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIA
Engr Units Conversion:	N/A
Minimum Instr Range:	5
Maximum Instr Range:	70
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	BELIEVED VALUE ALGORITHM
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 14.7 PSIA/LO ALM @ 9.0 PSIA
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	U1000 RECEIVES INPUTS FROM ALL THREE PRESSURE TRANSMITTERS AND CAN BE THE AVERAGE OF THREE, TWO, OR A SINGLE VALUE DEPENDING ON THE DEVIATION OF VALUES. PT-1LM-100A, B, & C SENSE CONTAINMENT PRESSURE AT A PRESSURE TAP LOCATED BETWEEN TV-LM-100A1 AND A2 (CONTAINMENT ISOLATION VALVES) AND CONTAINMENT. OP MANUAL CHAPTER 12

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	SUB MARGIN
Point ID:	U1002
Plant Spec Point Desc.:	MARGIN-TO-SATURATION
Generic/Cond Desc.:	SATURATION TEMP - HIGHEST CET
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	-35
Maximum Instr Range:	200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	53
How Processed:	MARSAT
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	U1002 IS CALCULATED BY "MARSAT" WHICH IS EXECUTED EVERY 5 SEC. MARSAT WILL READ INCORE T/CS (CETCS) AND RCS WIDE RNG. PRESS. (P) CURRENT VALUES. MARSAT WILL THEN EVAL. THE AVG. OF THE 5 HIGHEST GOOD VALUES SELECTED FROM ALL CETCS. MARSAT WILL ALSO SELECT THE LOWEST GOOD VALUE OF THE 2 RCS WIDE RNG. PS. THIS LOWEST GOOD RCS WIDE RNG. P WILL THEN BE CONVERTED (VIA STEAM TABLE ROUTINE "PT") TO RCS T-SAT MINIMUM. MARSAT WILL FINALLY TAKE THE DIFF. BETWEEN RCS T-SAT.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
WRC ERDS Parameter:	TEMP CORE EX
Point ID:	U1003
Plant Spec Point Desc.:	CETC 5 HIGHEST AVG (ALL 51 TC)
Generic/Cond Desc.:	HIGHEST TEMPERATURE AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	32
Maximum Instr Range:	2300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	51
How Processed:	MARSAT
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 700 DEGF
H1 Detector Power Supply Cut-off Power Level:	N/A
H1 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.:	U1003 IS CALCULATED BY "MARSAT" (MARGIN-TO-SATURATION CALCULATION PROGRAM) WHICH IS EXECUTED EVERY 5 SECONDS. MARSAT WILL READ ALL IN CORE T/CS, AND RCS WIDE RANGE PRESSURE CURRENT VALUES. MARSAT WILL THEN CALCULATE THE AVERAGE OF THE 5 HIGHEST GOOD VALUES (CETC 5 HIGHEST AVERAGE) SELECTED FROM ALL INCORE T/CS.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U20B0
Plant Spec Point Desc.:	AVG CNMT TEMP. - TECHSPEC TRB'S
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	5
How Processed:	AVERAGE
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 103 DEGF, LO ALM @ 32 DEGF
H1 Detector Power Supply Cut-off Power Level:	N/A
H1 Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	U20B0 IS THE AVERAGE OF ALL FIVE TEMPERATURE INPUTS. T-LM100-4 SENSES TEMPERATURE AT 744' IN THE PRESSURIZER CUBICLE; T-LM100-7 SENSES TEMPERATURE AT 799' ON THE OPERATING FLOOR NE OF THE CRANE WALL; T-LM100-13 SENSES TEMPERATURE AT 797' IN THE EAST ANNULUS; T-LM100-15 SENSES TEMPERATURE AT 730' IN THE SSE ANNULUS; T-LM-100-16 SENSES TEMPERATURE AT 701' 6" IN THE ENE ANNULUS. (SEE ATTACHED DWG.)

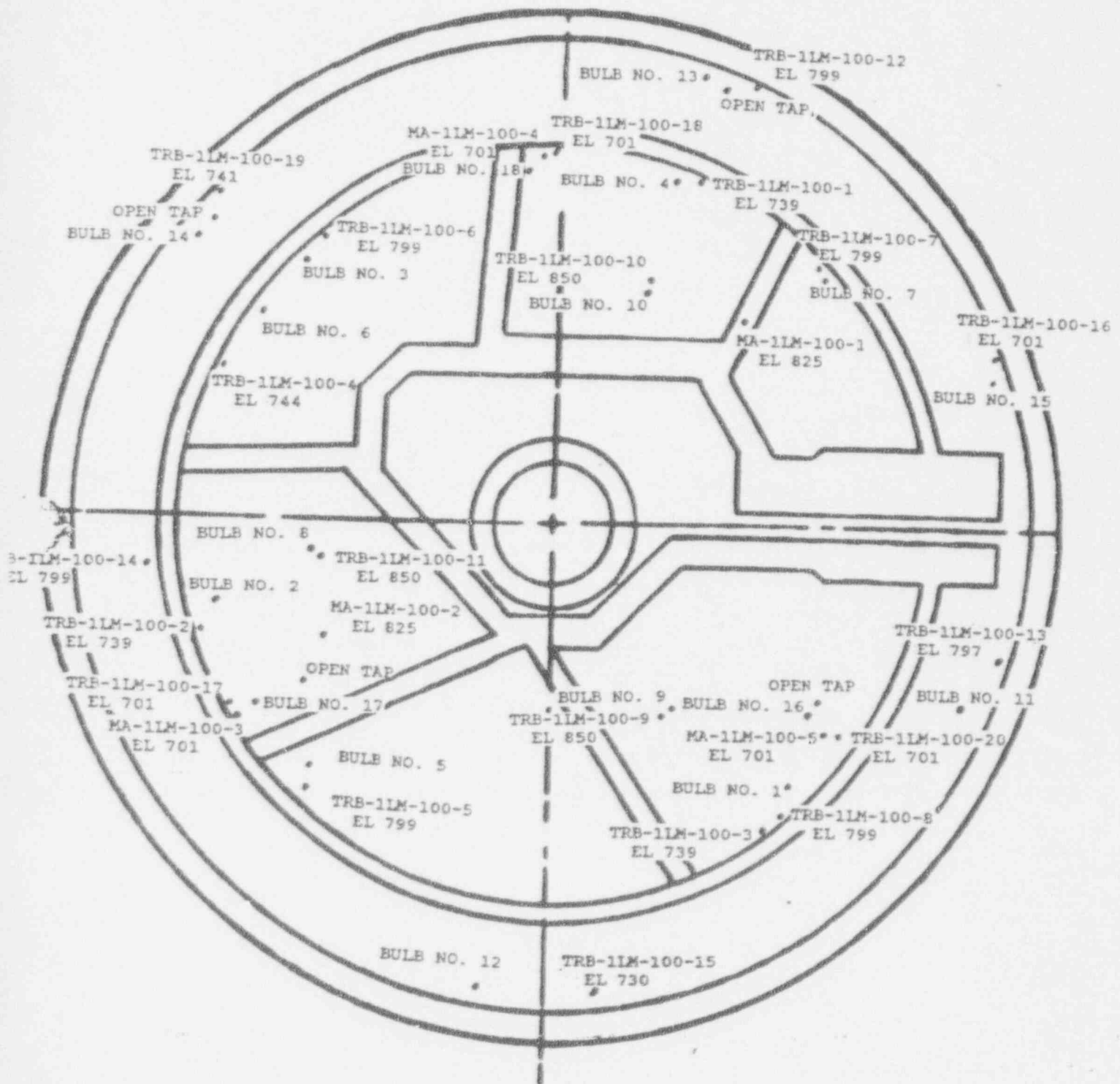


Figure 12-7  
Location of Containment Temperature  
Sensors, Seal Bulbs and Moisture Sensors

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	Y0705A
Plant Spec Point Desc.:	CCW/RS RW DISCH ACT      R-RW100
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 349 CPM
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	RM-1RW-100 SAMPLES FOR ACTIVITY (CO-60 & CS-137) AT THE DISCHARGE OF THE REACTOR COMPONENT COOLING WATER HEAT EXCHANGERS. FOLLOWING A CIB SIGNAL THE HHSI PUMP OIL COOLER AND THE RECIRC SPRAY HEAT EXCHANGER DISCHARGE IS ALSO MONITORED. HIGH ACTIVITY IS INDICATIVE OF A HEAT EXCHANGER LEAK. A GAMMA SCINTILLATION DETECTOR MONITORS THE COMBINED RIVER WATER DISCHARGE MANIFOLD DOWNSTREAM OF THE REACTOR PLANT COMPONENT COOLING WATER/RECIRC SPRAY HEAT EXCHANGERS. (OP MANUAL CHAPTER 43, RM-430-3

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	Y0717A
Plant Spec Point Desc.:	LQD WASTE CONTAM DRN ACT R-LW116
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 61499.9 CPM
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	RM-1LW-116 CONTINUOUSLY MONITORS THE ACTIVITY (CO-60 & CS-137) OF THE EFFLUENT DOWNSTREAM OF THE LIQUID WASTE CONTAMINATED DRAINS FILTER. A HIGH-HIGH ACTIVITY WILL AUTOMATICALLY CLOSE THE ISOLATION VALVES TO TERMINATE FLOW. A GAMMA SCINTILLATION DETECTOR MONITORS THE ACTIVITY OF LIQUID WASTE CONTAMINATED DRAINS EFFLUENT DOWNSTREAM OF THE CONTAMINATED DRAINS FILTER. OP MANUAL CHAPTER 43, RM-417-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	PVC
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	Y0735A
Plant Spec Point Desc.:	RX CNMT RAD LOW RNG R-RM202
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0."
Maximum Instr Range:	10000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 147.0 MR/HR
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.:	RM-1RM-202 MONITORS THE RADIATION LEVEL INSIDE CONTAINMENT AND WARN S PERSONNEL OF AN INCREASE IN THE RADIATION LEVEL. A GEIGER-MUELLE R DETECTOR MONITORS RADIATION LEVEL INSIDE CONTAINMENT OF THE CRAN E WALL OPPOSITE THE PERSONNEL ACCESS. OP MANUAL CHAPTER 43

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
WRC ERDS Parameter:	WIND SPEED
Point ID:	XM006
Plant Spec Point Desc.:	WIND SPEED 35' LEVEL
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:	50
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	P
Number Of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND SPEED
Point ID:	XM026
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:	50
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.



BEAVER VALLEY POWER STATION ERL'S DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND DIR
Point ID:	XM051
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 Locations:	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 S AME QUALITY/CALIBRATION. VALUE USED IN DOSE ASSESSMENTS AS GROUND LEVEL DIRECTION. WIND DIRECTION 0 IS NORTH. WIND DIRECTION 1 S DIRECTION FROM WHICH WIND IS COMING.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND DIR
Point ID:	XM061
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARER45
NRC ERDS Parameter:	STAB CLASS
Point ID:	XMD83
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARZRAS
NRC ERDS Parameter:	STAB CLASS
Point ID:	KMOB7
Plant Spec Point Desc.:	STABILITY-ELEVATED
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 Locations:	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

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	KR001
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 Locations:	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.:	MONITOR SENSITIVITY DETERMINED BY RELIEF VALVE POSITION SWITCHES. IF NO VALVES ARE OPEN, THE MONITOR READING DEFAULTS TO 0.02 uCi/cc. INSTANTANEOUS VALUE UPDATED EVERY MINUTE. VALUE IS DENSITY CORRECTED TO ATMOSPHERIC PRESSURE. RM-1MS-101 MONITORS THE ACTIVITY IN ONE OF THE TWO EXHAUST LINES OF THE TURBINE DRIVEN AUX. FEED PU MP. HIGH ACTIVITY ALARMS ALERT THE OPERATOR TO ABNORMAL CONDITIONS. MONITOR IS A GAMMA SCINTILLATION DETECTOR. REF: OP MANUAL CHAP. 4 3; RM-421-1.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
KI Detector Power Supply Cut-off Power Level:	N/A
KI 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.:	MONITOR SENSITIVITY DETERMINED BY RELIEF VALVE POSITION SWITCHES. IF NO VALVES ARE OPEN, THE MONITOR READING DEFAULTS TO 0.02 UCI/CC. INSTANTANEOUS VALUE UPDATED EVERY MINUTE. VALUE IS DENSITY CORRECTED TO ATMOSPHERIC PRESSURE. RM-1MS-100A MONITORS THE ACTIVITY (XE-133) IN THE DISCHARGE PATH OF MAIN STEAM RELIEF LOOP A WHEN THE ATMOS. DUMP VALVE OR MAIN STM SAFETY VALVES DISCHARGE TO THE ENVIRONMENT. DETECTOR LOCATED IN DISCHARGE PIPING DOWNSTREAM OF THE LOWEST LIFT SETPOINT MAIN STM SAFETY VALVE AND THE ATMOS. DUMP VALVE ON MAIN STM RELIEF LOOP A. REF: OP MAN. CHAP. 43; RM-421-1.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
WRC ERDS Parameter:	EFF GAS RAD
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 Locations:	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.:	MONITOR SENSITIVITY DETERMINED BY RELIEF VALVE POSITION SWITCHES. IF NO VALVES ARE OPEN, THE MONITOR READING DEFAULTS TO 0.02 uCi/cc. INSTANTANEOUS VALUE UPDATED EVERY MINUTE. VALUE IS DENSITY CORRECTED TO ATMOSPHERIC PRESSURE. RM-1MS-100B MONITORS THE ACTIVITY (XE-133) IN THE DISCHARGE PATH OF MAIN STEAM RELIEF LOOP B WHEN THE ATMOS. DUMP VALVE OR MAIN STM SAFETY VALVES DISCHARGE TO THE ENVIRONMENT. DETECTOR LOCATED IN DISCHARGE PIPING DOWNSTREAM OF THE LOWEST LIFT SETPOINT MAIN STM SAFETY VALVE AND THE ATMOS. DUMP VALVE ON MAIN STM RELIEF LOOP B. REF: OP MAN. CHAP. 43; RM-421-1.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	MONITOR EFFICIENCY DETERMINED BY RELIEF VALVE POSITION SWITCHES. IF NO VALVES ARE OPEN, THE MONITOR READING DEFAULTS TO 0.02 uCi/cc. INSTANTANEOUS VALUE UPDATED EVERY MINUTE. VALUE IS DENSITY CORRECTED TO ATMOSPHERIC PRESSURE. RM-1MS-100C MONITORS THE ACTIVITY (XE-133) IN THE DISCHARGE PATH OF MAIN STEAM RELIEF LOOP C WHEN THE ATMOS. DUMP VALVE OR MAIN STM SAFETY VALVES DISCHARGE TO THE ENVIRONMENT. DETECTOR LOCATED IN DISCHARGE PIPING DOWNSTREAM OF THE LOWEST LIFT SETPOINT MAIN STM SAFETY VALVE AND THE ATMOS. DUMP VALVE ON MAIN STM RELIEF LOOP C. REF: OP MAN. CHAP. 43; RM-421-1.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	12/04/92
Reactor Unit:	BV1
Isotope Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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:	Ke133=1.24E7 CPM/UC1/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 4.40E2 CPM >BACKGROUND
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 UC1/CC CONVERSION DEPENDING ON WHICH DEFAULT SOURCE TERM WAS SELECTED AND DECAY PERIOD. ALARM SETPOINT CORRESPONDS TO 1MPC AT MOST RESTRICTIVE RECEPTOR PER DDGM. RM-1VS-109 MONITORS FOR LOW RANGE NOBLE GASES AT THE DISCHARGE OF THE AUX. BLDG. 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 MAN. CHAP. 43; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	12/04/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR006
Plant Spec Point Desc.:	IRM-VS-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Xe133=3.54E2 CPM/UCI/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 2.75E2 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 FOR EIGHT HOURS. RM-1VS-109 CH 7 MONITORS FOR MID RANGE N OBLE GASSES AT THE DISCHARGE OF THE AUX. BLDG. 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 MAN. CHAP. 43; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	12/04/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	KR007
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 CPM/uCi/CC
Minimum Instr Range:	1 D
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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 DDSE ASSESSMENT VARIES CPM TO uCi/CC CONVERSION DEPENDING ON WHICH DEFAULT SOURCE TERM WAS SELECTED AND DECAY PERIOD. RM-1VS-109 CH 9 MONITORS FOR HIGH RANGE NOBLE GASES AT THE DISCHARGE OF THE AUX. BLDG. 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 MAN. CHAP. 43; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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/UC1/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.01E3 CPM >BACKGROUND
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 UC1/CC CONVERSION DEPENDING ON WHICH DEFAULT SOURCE TERM WAS SELECTED AND DECAY PERIOD. ALARM SETPOINT CORRESPONDS TO 1MPC AT MOST RESTRICTIVE RECEPTOR PER ODCM. RM-1VS-110 CH 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 MAN. CHAP. 43; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	KR010
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/UC1/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Point.:	HIGH 3.51E2 CPM >BACKGROUND
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 UC1/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 CH 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 ABNDRMAL RELEASES AND PROVIDES INPUT TO COMPUTE INTEGRATED RELEASE DATA.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV1 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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:	Xe133=4.87 CPM/UCI/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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-1VS-110 CH 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 MAN. CHAP. 43; RM-416-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 6.6E6 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 1 MPC AT MOST RESTRICTIVE RECEPTOR PER ODCM. RM-1GW-109 CH 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 MAN. CHAP. 43; RM-499-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON B1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR014
Plant Spec Point Desc.:	1RM-GW-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Xe133=3.00E2 CPM/UCI/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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 CH 7 MONITORS FOR MID RANGE NOBLE GASES AT THE DISCHARGE OF THE GASEOUS WASTE DISPOSAL BLOWERS. THIS SPINNING MONITOR PROVIDES ALARMS TO WARN THE OPERATOR OF ABNORMAL RELEASES AND PROVIDES INPUT TO COMPUTE INTEGRATED RELEASE DATA. REF: OP MAN. CHAP. 43; RM-419-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV1
Data Feeders:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.80E4 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 A ND DECAY PERIOD. ALARM SETPOINT CORRESPONDS TO A GENERAL EMERGENCY IF THE RELEASE CONTINUES FOR EIGHT HOURS. RM-1GW-109 CH 9 MONITORS FOR HIGH RANGE NOBLE GASES AT THE DISCHARGE OF THE GASEOU S WASTE DISPOSAL BLOWERS. THE MONITOR PROVIDES ALARMS TO WARN THE OPERATOR OF ABNORMAL RELEASES AND PROVIDES INPUT TO COMPUTE INTEGRA TED RELEASE DATA. REF: OP MAN. CHAP. 43; RM-419-1

ATTACHMENT 2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE FLOW
Point ID:	FD400C
Plant Spec Point Desc.:	RCL A FLW                      RCS*FT414
Generic/Cond Desc.:	REACTOR COOLANT LOOP A FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT414 SENSES RC LOOP A FLOW AND PROVIDES A SIGNAL TO THE COMPU TER, SSPS, AND THE MAIN CONTROL BOARD. THE REACTOR COOLANT PUMP DE SIGN FLOW RATE IS 95,230 GPM AT 542F AND 2250 PSIG. 100% FLOW IN LOOP A IS APPROXIMATELY 3.5 E7 LBM/HR. 2RCS*FT414 SENSES FLOW AT TH E REACTOR COOLANT PIPE ELBOW AT SG A OUTLET. 100B0-7LD-006-045, RM -406-1, RM-406-3, 2BVT 1.6.1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE FLOW
Point ID:	FD421C
Plant Spec Point Desc.:	RCL B FLW                      RCS*FT425
Generic/Cond Desc.:	REACTOR COOLANT LOOP B FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT425 SENSES RC LOOP B FLOW AND PROVIDES A SIGNAL TO THE COMPU TER, SSPS, AND THE MAIN CONTROL BOARD. THE REACTOR COOLANT PUMP DE SIGN FLOW RATE IS 95,230 GPM AT 542F AND 2250 PSIG. 100% FLOW IN LOOP B IS APPROXIMATELY 3.5 E7 LBM/HR. 2RCS*FT425 SENSES FLOW AT T HE REACTOR COOLANT PIPE ELBOW AT SG B OUTLET. 100B0-TLD-006-062, R M-406-1, RM-406-3, 2BVT 1.6.1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE FLOW
Point ID:	FD442C
Plant Spec Point Desc.:	RCL C FLW                      RCS*FT436
Generic/Cond Desc.:	REACTOR COOLANT LOOP C FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT436 SENSES RC LOOP C FLOW AND PROVIDES A SIGNAL TO THE COMPU TER, SSPS, AND THE MAIN CONTROL BOARD. THE REACTOR COOLANT PUMP DES IGN FLOW RATE IS 90,230 GPM AT 542F AND 2250 PSIG. 100% FLOW IN LO OP C IS APPROXIMATELY 3.5 E7 LBM/HR. 2RCS*FT436 SENSES FLOW AT THE REACTOR COOLANT PIPE ELBOW AT SG C OUTLET. 10080-TLD-006-079, RM-40 6-1, RM-406-3, 2BVT 1.6.1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	L0071A
Plant Spec Point Desc.:	RX NR LVL                    RCS*LT1311
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	PSMS RVLIS ALGORITHM
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	TAF
Reference Point Notes:	TAF=729'3"(276" FROM BOT RX VESS)=62.5%
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	PSMS RVLIS ALGORITHM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AND INCORE INSTRUMENTATION TUBE #20 AT THE SEAL TABLE ARE THE SENSING POINTS. REFERENCE LINE TUBING RUNS FROM THESE POINTS TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTNT WALL TO HYDRAULIC ISOLATORS. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CHMNT TEMP. COMPENSATION. PSMS RECEIVES TRANSMITTER OUTPUT. READING IS INVALID IF RCPS ARE RUNNING. 2RCS*LT1311 SENSES RX VES LEV BETWEEN THE TOP OF THE RX VES HEAD ELEV 746'6" TO THIMBLE GUIDE TUBE #20 ELEV 705'9"

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/20/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	L0072A
Plant Spec Point Desc.:	RX WR LVL                      RCS*LT1312
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	PSMS RVLIS ALGORITHM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AT THE INCORE INSTRUMENTATION TUBES SENSE RX VES CORE AND INTERNAL DP. REFERENCE LINE TUBING RUNS FROM THE INSTRUMENT TUBES TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTNT WALL TO HYDRAULIC ISOLATORS . RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CNMNT TEMP. COMPENS ATION. PSMS RECEIVES TRANSMITTER OUTPUT. READING IS INVALID UNLESS RCP'S ARE RUNNING. 2RCS*LT1312 SENSES DP ACROSS RX VES CORE AND INTE RNALS WHEN ANY RCP'S ARE RUNNING. NORMAL DP IS 110-112%

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameters:	REAC VES LEV
Point ID:	LD074A
Plant Spec Point Desc.:	RX NR LVL                      RCS*LT1321
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	PSMS RVLIS ALGORITHM
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	TAF
Reference Point Notes:	TAF=729'3"(276" FROM BOT RX VESS)=62.5%
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	PSMS RVLIS ALGORITHM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AND INCORE INSTRUMENTATION TUBE #20 AT THE SEAL TABLE ARE THE SENSING POINTS. REFERENCE LINE TUBING RUNS FROM THESE POINTS TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTNT WALL TO HYDRAULIC ISOLATORS. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CNMNT TEMP. COMPENSATION. PSMS RECEIVES TRANSMITTER OUTPUT. READING IS INVALID IF RCS ARE RUNNING. 2RCS*LT1321 SENSES RX VES LEV BETWEEN THE TOP OF THE RX VES HEAD ELEV 746'9" TO THIMBLE GUIDE TUBE #20 ELEV 705'9"

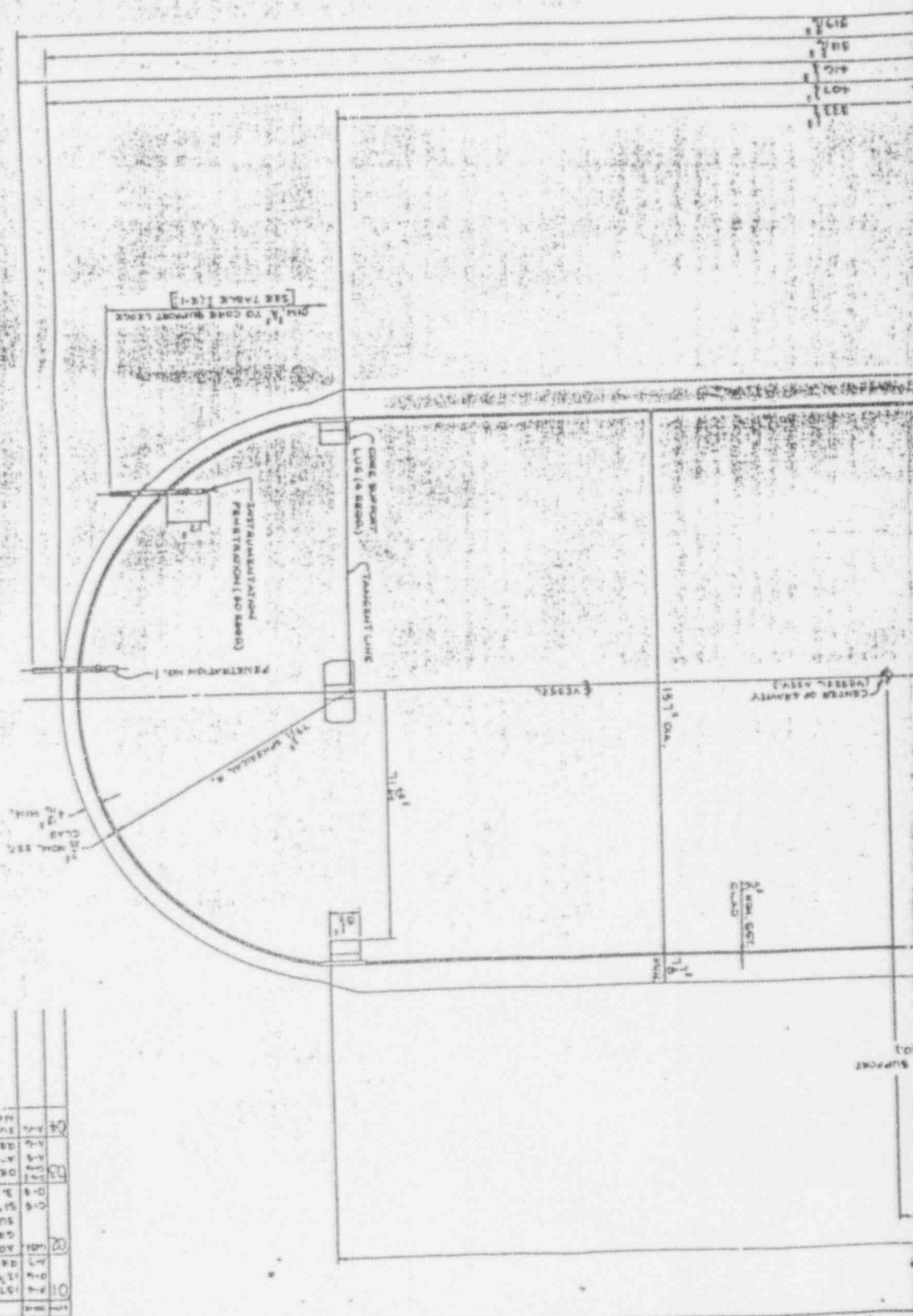
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/20/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	LD075A
Plant Spec Point Desc.:	RX WR LVL                      RCS*LT1322
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	PSMS RVLIS ALGORITHM
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:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	CONNECTIONS TO THE RX VES HEAD AND INCORE INSTRUMENTATION TUBES SENSE RX VES CORE AND INTERNAL DP. REFERENCE LINE TUBING RUNS FROM THE INSTRUMENT TUBES TO HIGH VOLUME SENSORS WHICH ISOLATE THE RCS FROM THE REMAINDER OF THE RVLIS TUBING. CAPILLARY TUBING RUNS FROM THE HIGH VOLUME SENSORS THROUGH THE CNTHT WALL TO HYDRAULIC ISOLATORS. RTD'S ARE INSTALLED ON CAPILLARY LINES FOR CMMNT TEMP. COMPENSATION. PSMS RECEIVES TRANSMITTER OUTPUT. READING IS INVALID UNLESS RCPS ARE RUNNING. 2RCS*LT1322 SENSES DP ACROSS RX VES CORE AND INTERNALS WHEN ANY RCPS ARE RUNNING. NORMAL DP IS 110-112%

DOUGHERTY LIGHT COMPANY  
 PLANT: BEAVER VALLEY POWER STATION UNIT NO. 2  
 UNIT: 2  
 STATUS: CERTIFIED FOR CONSTRUCTION  
 CERTIFICATION LTR. NO. DMV-D-4934  
 AUTHORITY: E. J. LEX  
 ENGR. LTR. NO. EP/SA-18260

WEIGHT TABLE	
COMPONENT	WEIGHT
VESSSEL	545,111
CLOSURE HEAD	118,461
STAYS, NUTS AND WASHERS	39,131
TOTAL	702,703

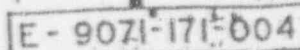
PRESTRESSING DIMENSION	NUMBER	WEIGHT
1 THRU 5	408	408
6 AND 9	402	402
4 AND 7	402	402
8	401	401
3 AND 10	400	400
11 AND 12	400	400
13 AND 14	399	399
15	397	397
16 AND 17	396	396
18 THRU 21	395	395
22 AND 23	394	394
24 THRU 29	393	393
30 AND 31	392	392
32 AND 33	391	391
34	390	390
35	389	389
36	388	388
37 AND 38	387	387
39 AND 40	386	386
41 THRU 44	385	385
45 AND 46	384	384
47 AND 48	383	383
49 AND 50	382	382



NO.	DESCRIPTION	DATE	BY
01	15' 0" DIA. VESSEL	10/1/77	J. LEX
02	15' 1" DIA. VESSEL	10/1/77	J. LEX
03	15' 0" DIA. VESSEL	10/1/77	J. LEX
04	15' 1" DIA. VESSEL	10/1/77	J. LEX
05	15' 0" DIA. VESSEL	10/1/77	J. LEX
06	15' 1" DIA. VESSEL	10/1/77	J. LEX
07	15' 0" DIA. VESSEL	10/1/77	J. LEX
08	15' 1" DIA. VESSEL	10/1/77	J. LEX
09	15' 0" DIA. VESSEL	10/1/77	J. LEX
10	15' 1" DIA. VESSEL	10/1/77	J. LEX
11	15' 0" DIA. VESSEL	10/1/77	J. LEX
12	15' 1" DIA. VESSEL	10/1/77	J. LEX
13	15' 0" DIA. VESSEL	10/1/77	J. LEX
14	15' 1" DIA. VESSEL	10/1/77	J. LEX
15	15' 0" DIA. VESSEL	10/1/77	J. LEX
16	15' 1" DIA. VESSEL	10/1/77	J. LEX
17	15' 0" DIA. VESSEL	10/1/77	J. LEX
18	15' 1" DIA. VESSEL	10/1/77	J. LEX
19	15' 0" DIA. VESSEL	10/1/77	J. LEX
20	15' 1" DIA. VESSEL	10/1/77	J. LEX
21	15' 0" DIA. VESSEL	10/1/77	J. LEX
22	15' 1" DIA. VESSEL	10/1/77	J. LEX
23	15' 0" DIA. VESSEL	10/1/77	J. LEX
24	15' 1" DIA. VESSEL	10/1/77	J. LEX
25	15' 0" DIA. VESSEL	10/1/77	J. LEX
26	15' 1" DIA. VESSEL	10/1/77	J. LEX
27	15' 0" DIA. VESSEL	10/1/77	J. LEX
28	15' 1" DIA. VESSEL	10/1/77	J. LEX
29	15' 0" DIA. VESSEL	10/1/77	J. LEX
30	15' 1" DIA. VESSEL	10/1/77	J. LEX
31	15' 0" DIA. VESSEL	10/1/77	J. LEX
32	15' 1" DIA. VESSEL	10/1/77	J. LEX
33	15' 0" DIA. VESSEL	10/1/77	J. LEX
34	15' 1" DIA. VESSEL	10/1/77	J. LEX
35	15' 0" DIA. VESSEL	10/1/77	J. LEX
36	15' 1" DIA. VESSEL	10/1/77	J. LEX
37	15' 0" DIA. VESSEL	10/1/77	J. LEX
38	15' 1" DIA. VESSEL	10/1/77	J. LEX
39	15' 0" DIA. VESSEL	10/1/77	J. LEX
40	15' 1" DIA. VESSEL	10/1/77	J. LEX
41	15' 0" DIA. VESSEL	10/1/77	J. LEX
42	15' 1" DIA. VESSEL	10/1/77	J. LEX
43	15' 0" DIA. VESSEL	10/1/77	J. LEX
44	15' 1" DIA. VESSEL	10/1/77	J. LEX
45	15' 0" DIA. VESSEL	10/1/77	J. LEX
46	15' 1" DIA. VESSEL	10/1/77	J. LEX
47	15' 0" DIA. VESSEL	10/1/77	J. LEX
48	15' 1" DIA. VESSEL	10/1/77	J. LEX
49	15' 0" DIA. VESSEL	10/1/77	J. LEX
50	15' 1" DIA. VESSEL	10/1/77	J. LEX
51	15' 0" DIA. VESSEL	10/1/77	J. LEX
52	15' 1" DIA. VESSEL	10/1/77	J. LEX
53	15' 0" DIA. VESSEL	10/1/77	J. LEX
54	15' 1" DIA. VESSEL	10/1/77	J. LEX
55	15' 0" DIA. VESSEL	10/1/77	J. LEX
56	15' 1" DIA. VESSEL	10/1/77	J. LEX
57	15' 0" DIA. VESSEL	10/1/77	J. LEX
58	15' 1" DIA. VESSEL	10/1/77	J. LEX
59	15' 0" DIA. VESSEL	10/1/77	J. LEX
60	15' 1" DIA. VESSEL	10/1/77	J. LEX
61	15' 0" DIA. VESSEL	10/1/77	J. LEX
62	15' 1" DIA. VESSEL	10/1/77	J. LEX
63	15' 0" DIA. VESSEL	10/1/77	J. LEX
64	15' 1" DIA. VESSEL	10/1/77	J. LEX
65	15' 0" DIA. VESSEL	10/1/77	J. LEX
66	15' 1" DIA. VESSEL	10/1/77	J. LEX
67	15' 0" DIA. VESSEL	10/1/77	J. LEX
68	15' 1" DIA. VESSEL	10/1/77	J. LEX
69	15' 0" DIA. VESSEL	10/1/77	J. LEX
70	15' 1" DIA. VESSEL	10/1/77	J. LEX
71	15' 0" DIA. VESSEL	10/1/77	J. LEX
72	15' 1" DIA. VESSEL	10/1/77	J. LEX
73	15' 0" DIA. VESSEL	10/1/77	J. LEX
74	15' 1" DIA. VESSEL	10/1/77	J. LEX
75	15' 0" DIA. VESSEL	10/1/77	J. LEX
76	15' 1" DIA. VESSEL	10/1/77	J. LEX
77	15' 0" DIA. VESSEL	10/1/77	J. LEX
78	15' 1" DIA. VESSEL	10/1/77	J. LEX
79	15' 0" DIA. VESSEL	10/1/77	J. LEX
80	15' 1" DIA. VESSEL	10/1/77	J. LEX
81	15' 0" DIA. VESSEL	10/1/77	J. LEX
82	15' 1" DIA. VESSEL	10/1/77	J. LEX
83	15' 0" DIA. VESSEL	10/1/77	J. LEX
84	15' 1" DIA. VESSEL	10/1/77	J. LEX
85	15' 0" DIA. VESSEL	10/1/77	J. LEX
86	15' 1" DIA. VESSEL	10/1/77	J. LEX
87	15' 0" DIA. VESSEL	10/1/77	J. LEX
88	15' 1" DIA. VESSEL	10/1/77	J. LEX
89	15' 0" DIA. VESSEL	10/1/77	J. LEX
90	15' 1" DIA. VESSEL	10/1/77	J. LEX
91	15' 0" DIA. VESSEL	10/1/77	J. LEX
92	15' 1" DIA. VESSEL	10/1/77	J. LEX
93	15' 0" DIA. VESSEL	10/1/77	J. LEX
94	15' 1" DIA. VESSEL	10/1/77	J. LEX
95	15' 0" DIA. VESSEL	10/1/77	J. LEX
96	15' 1" DIA. VESSEL	10/1/77	J. LEX
97	15' 0" DIA. VESSEL	10/1/77	J. LEX
98	15' 1" DIA. VESSEL	10/1/77	J. LEX
99	15' 0" DIA. VESSEL	10/1/77	J. LEX
100	15' 1" DIA. VESSEL	10/1/77	J. LEX



Also Available On  
Aperture Card



9302240287-07

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT SMP NR
Point ID:	LO100A
Plant Spec Point Desc.:	CNMT SUMP LVL            DAS*LT220
Generic/Cond Desc.:	CTMNT SUMP NARROW RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12
Zero Point Reference:	1NKBOT
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 3.0 IN
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.:	CONTAINMENT SUMP NARROW RANGE LEVEL MEASURES THE 12 INCH FLOOR RECESS (2DAS-TK204) LOCATED AT THE EAST SIDE OF CONTAINMENT ADJACENT TO THE WALL ON ELEVATION 692' 11". THE SUMP HAS A VOLUME OF 258 GALLONS OR 21.5 GALLONS/INCH. 2DAS*LE220 LOCATED IN THE EAST SIDE OF CONTAINMENT ADJACENT TO THE WALL AT ELEVATION 692' 11" (2DAS*LT222 LOCATED IN THE SERVICE BUILDING 730' ELEVATION). ZERO REF: TANK BOTTOM. REF: OP MANUAL CHAPTER 9, 10080-TLD-009-032.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT SMP WP
Point ID:	LD102A
Plant Spec Point Desc.:	CNMT SUMP LVL                      DAS*LT222
Generic/Cond Desc.:	CTMNT SUMP NARROW RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12
Zero Point Reference:	TNKBOT
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 3.0 IN
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	CONTAINMENT SUMP NARROW RANGE LEVEL MEASURES THE 12 INCH FLOOR RECESSES (2DAS-TK204) LOCATED AT THE EAST SIDE OF CONTAINMENT ADJACENT TO THE WALL ON ELEVATION 692' 11". THE SUMP HAS A VOLUME OF 258 GALLONS OR 21.5 GALLONS/INCH. 2DAS*LE222 LOCATED IN THE EAST SIDE OF CONTAINMENT ADJACENT TO THE WALL ON ELEVATION 692' 11" (2DAS*LT222 LOCATED IN THE SERVICE BUILDING 730' ELEVATION). ZERO REF: TANK BOTTOM REF: OP MANUAL CHAPTER 9, 10080-TLD-009-045

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG LEVEL A
Point ID:	LD403A
Plant Spec Point Desc.:	SG 21A WR LVL                      FWS*LT477
Generic/Cond Desc.:	STEAM GENERATOR A WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 65 %/LO ALM @ 43 %
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LDW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2FWS*LT477 PROVIDES SG A WIDE RANGE LEVEL INDICATION AT THE MAIN CO NTROL BOARD, SHUTDOWN PANEL, ALTERNATE SHUTDOWN PANEL AND AT THE FE EDWATER CONTROL VALVES. 2FWS*LT477 SENSES LEVEL IN SG A FROM 789' 11 11/16" (UPPER TAP) TO 742' 1/16" (LOWER TAP). TOP OF SG A U-TUBE S IS AT 775' 9 1/16" WITH NORMAL WATER LEVEL AT 783' 2". REF: OP. M AN. CHAP. 24A; RK-313R; TLD-24A-051

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG LEVEL B
Point ID:	LO423A
Plant Spec Point Desc.:	SG 21B WR LVL                      FWS*LT487
Generic/Cond Desc.:	STEAM GENERATOR B WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 65 %/LO ALM @ 43 %
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.:	2FWS*LT487 PROVIDES SG B WIDE RANGE LEVEL INDICATION AT THE MAIN CO NTROL BOARD, SHUTDOWN PANEL, ALTERNATE SHUTDOWN PANEL AND AT THE FE EDWATER CONTROL VALVES. 2FWS*LT487 SENSES LEVEL IN SG B FROM 789' 11 1/16" (UPPER TAP) TO 741' 11 7/8" (LOWER TAP). ZERO REF: TOP OF THE SG B U TUBES IS AT 775' 8 7/8" WITH NORMAL WATER LEVEL AT 783' 1 3/4". REF: OP MAN. CHAP. 24A; RK-313V; TLD-24A-059

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameters:	SG LEVEL C
Point ID:	LD443A
Plant Spec Point Desc.:	SG 21C WR LVL                      FWS*LT497
Generic/Cond Desc.:	STEAM GENERATOR C WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point                      ence:	UTUBES
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH ALM @ 65 %/LO ALM @ 43 %
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.:	2FWS*LT497 PROVIDES SG C WIDE RANGE LEVEL INDICATION AT THE MAIN CO NTROL BOARD, SHUTDOWN PANEL, AND AT THE FEEDWATER CONTROL VALVES. 2 FWS*LT497 SENSES LEVEL IN SG C FROM 790' 5 1/2" (UPPER TAP) TO 742 ' 1/8" (LOWER TAP). ZERO REF: TOP OF THE SG C U-TUBES IS AT 775' 9 1/8" WITH NORMAL WATER LEVEL AT 783' 2". REF: OP MAN. CHAP. 24A; RK -3132; TLD-24A-066.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	BWST LEVEL
Point ID:	LO500A
Plant Spec Point Desc.:	RWST LVL                      QSS*LT100A
Generic/Cond Desc.:	BORATED WATER STORAGE TANK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	730
Zero Point Reference:	COMPLX
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LD ALM @ 20.0 IN
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.:	<p>THE BWST AT BV2 IS REFERRED TO AS "REFUELING WATER STORAGE TANK" (RWST). THERE IS ONE RWST AT BV2 WITH A CAPACITY OF 911,000 GALLONS. THERE ARE 31,823 UNUSABLE GALLONS BELOW THE QUENCH SPRAY PUMP SUCTION. THERE ARE APPROXIMATELY 1250 GALLONS/INCH IN THE RWST. (SEE ATTACHED TANK CURVE). 2QSS*LT100A SENSES LEVEL 12" FROM THE BOTTOM OF THE TANK AND 14" BELOW THE TOP OF THE QUENCH SPRAY PUMP SUCTION LINE. ZERO REF: 12" FROM BOTTOM OF BWST. REF: MSP-2-13.11-1, 1 DOBD-TLD-13B-001, LSK-27-9D, LSK-29-6B, RK-325R</p>

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERTCS
NRC ERDS Parameter:	BWST LEVEL
Point ID:	L0501A
Plant Spec Point Desc.:	RWST LVL                      QSS*LT100B
Generic/Cond Desc.:	BORATED WATER STORAGE TANK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	730
Zero Point Reference:	COMPLX
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LO ALM @ 20.0 IN
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.:	THE BWST AT BV2 IS REFERED TO AS "REFUELING WATER STORAGE TANK" (RWST). THERE IS ONE RWST AT BV2 WITH A CAPACITY OF 911,000 GALLONS. THERE ARE 31,823 UNUSABLE GALLONS BELOW THE QUENCH SPRAY PUMP SUCTION. THERE ARE APPROXIMATELY 1250 GALLONS/INCH IN THE RWST. (SEE ATTACHED TANK CURVE). 2QSS*LT100B SENSES LEVEL 12" FROM THE BOTTOM OF THE TANK AND 14" BELOW THE TOP OF THE QUENCH SPRAY PUMP SUCTION LINE. ZERO REF: 12" FROM THE BOTTOM OF BWST. REF: MSP-2-13.11-1, 100B0-TLD-13B-002, LSK-27-9D, LSK-29-6B, RK-325Q



RETURNING WATER STORAGE TANK

2035472-21

MAXIMUM LEVEL 844.688  
 MAXIMUM HEIGHT 46.504 1957 GAL  
 NOMINAL VOL. 911,000

Center Point Level Indicators



DESIGN BOARD

Ind. Indication  
 116" TOP OF CYLINDER

DESIGN BOARD  
 844.688 46.504 1957 GAL  
 NOMINAL VOL. 911,000

CR DRAFT COPY

OSC REVIEW

MEETING NUMBER 2035472-21

PLANT MANAGER APPROVAL

DATE 8/15/87

Top of pump suction piping is at tank actual level of 26" or 31,823.93 unusable gallons

Verified by JTS 5/11/87

JSP 7.3-84



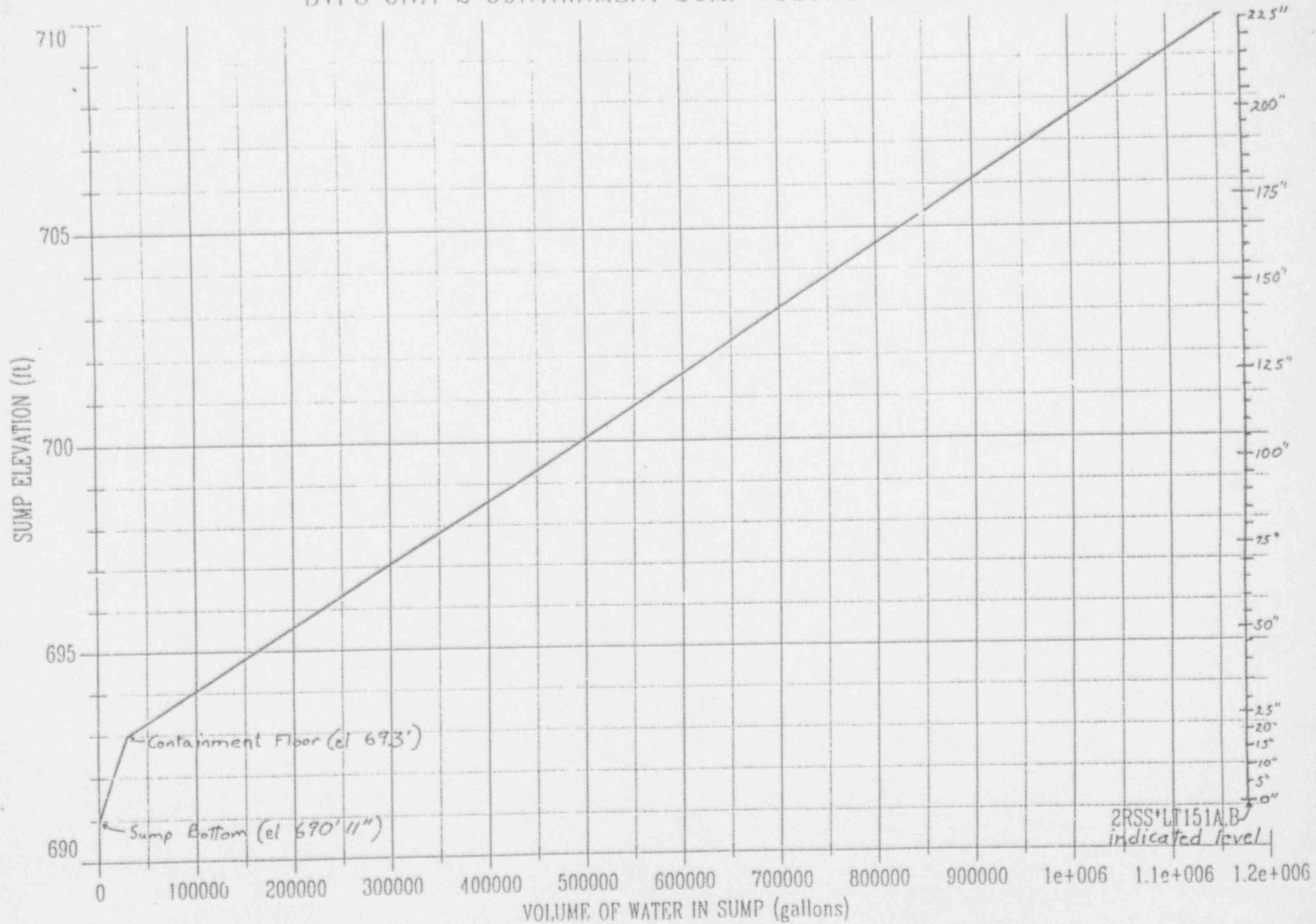
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	L0750A
Plant Spec Point Desc.:	RX CNMT SUMP LVL      RSS*LT151A
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	225
Zero Point Reference:	CNTFLR
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 3.0 IN
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	2RSS*LT151A MEASURES CONTAINMENT SUMP LEVEL FROM THE FLOOR TO A HEIGHT OF 709' 10 3/8". 2RSS-P21A-D SUCTION LINES ARE AT THE 692' 11" LEVEL IN CONTAINMENT. AT 695' THE CONTAINMENT AIR RECIRCULATION A AND C FANS TRIP. 2RSS*LT151A MEASURES LEVEL FROM THE CONTAINMENT FLOOR AT ELEVATION 691' 1 3/8" TO A HEIGHT OF 709' 10 3/8". ZERO REF: CONTAINMENT FLOOR (691' 1 3/8") REF: MSP-2-13.09, 10080-TLD-13A-003; RK-6M; OP. MAN. CHAP. 13

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	L0751A
Plant Spec Point Desc.:	RX CNMT SUMP LVL      RSS*LT151B
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	225
Zero Point Reference:	CNTFLR
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 3.0 IN
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	2RSS*LT151B MEASURES CONTAINMENT SUMP LEVEL FROM THE FLOOR TO A HEIGHT OF 709' 10 3/8". 2RSS-P2*A-D SUCTION LINES ARE AT THE 692' 11" LEVEL IN CONTAINMENT. AT 694' THE CONTAINMENT AIR RECIRCULATION B AND C FANS TRIP. 2RSS*LT151B MEASURES LEVEL FROM THE CONTAINMENT FLOOR AT ELEVATION 691' 1 3/8" TO A HEIGHT OF 709' 10 3/8". ZERO REF : CONTAINMENT FLOOR (691' 1 3/8"). REF: MSP-2-13.09; 10080-1LD-13A -003; RK-6M; DP MAN. CHAP. 13

# BVPS UNIT 2 CONTAINMENT SUMP VOLUME vs ELEVATION



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	N0031A
Plant Spec Point Desc.:	SOURCE RNG DET 1 FLUX      NM31F
Gen ric/Cond Desc.:	NUCLEAR INSTRUMENTS,SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	LOG Y = 6/5 (VOLTS) -1
Minimum Instr Range:	1
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	1/2INTRNG>1E-10
NI Detector Power Supply Turn-on Power Level:	2/2INTRNG<1E-10
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THE SOURCE RANGE PROVIDES POWER LEVEL INDICATION FROM ABOUT 10E-10% TO 10E-4%. SOURCE RANGE POWER LEVEL IS CALIBRATED FROM 1 TO 10E6 COUNTS PER SECOND. 2NMS*NE31 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OF MANUAL CHAPTER 2, 10080-TLD-02-001

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	N1 SOURC RNG
Point ID:	ND032A
Plant Spec Point Desc.:	SOURCE RNG DET 2 FLUX      NM32F
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	LOG Y = 6/5 (VOLTS) -1
Minimum Instr Range:	1
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	1/2INTRNG>1E-10
N1 Detector Power Supply Turn-on Power Level:	2/2INTRNG<1E-10
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THE SOURCE RANGE PROVIDES POWER LEVEL INDICATION FROM ABOUT 10E-10% TO 10E-4%. SOURCE RANGE POWER LEVEL IS CALIBRATED FROM 1 TO 10E6 COUNTS PER SECOND. 2NMS*NE32 (SEE ATTACHED N1S DETECTOR LOCATION D WG.) DP MANUAL CHAPTER 2, 10080-TLD-02-002

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	NI INTER RNG
Point ID:	N0035A
Plant Spec Point Desc.:	INT RNG DET 1 FLUX          NM35B
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LOG Y = B/5 (VOLTS) -5
Minimum Instr Range:	1E-11
Maximum Instr Range:	1E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	2/4 PWRNG >10%
NI Detector Power Supply Turn-on Power Level:	3/4 PWRNG <10%
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	INTERMEDIATE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6% TO 10E2% FULL RATED PWR. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL THE REACTOR PWR RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL (~ 1% FULL POWER). 2NM1* NE32 (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2 , 10080-TLD-02-003

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	N1 INTER RNG
Point ID:	N0036A
Plant Spec Point Desc.:	INT RNG DET 2 FLUX      NM36B
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LOG Y = B/5 (VOLTS) +5
Minimum Instr Range:	1E-11
Maximum Instr Range:	1E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	2/4 PWRRNG >10%
N1 Detector Power Supply Turn-on Power Level:	3/4 PWRRNG <10%
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	INTERMEDIATE RANGE LEVEL INDICATION FROM 10E-11 TO 10E-3 AMPS CORRESPONDS TO ABOUT 10E-6% TO 10E2% FULL RATED POWER. POWER RANGE LEVEL INDICATION WILL NOT COME ON SCALE UNTIL REACTOR POWER RISES TO ABOUT 10E-5 AMPS INTERMEDIATE RANGE LEVEL. (~ 1 % FULL POWER). 2NM1*NE36 (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2, 10080-TLD-02-004



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	NI POWER RNG
Point ID:	N0049A
Plant Spec Point Desc.:	PWR RNG CHAN 1 FLUX      NM41F
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 101%/LO ALM @ -1%
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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. 2NMP*NE41 A&B (SEE ATTACHED NIS DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2, 10080-TLD-02-005.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

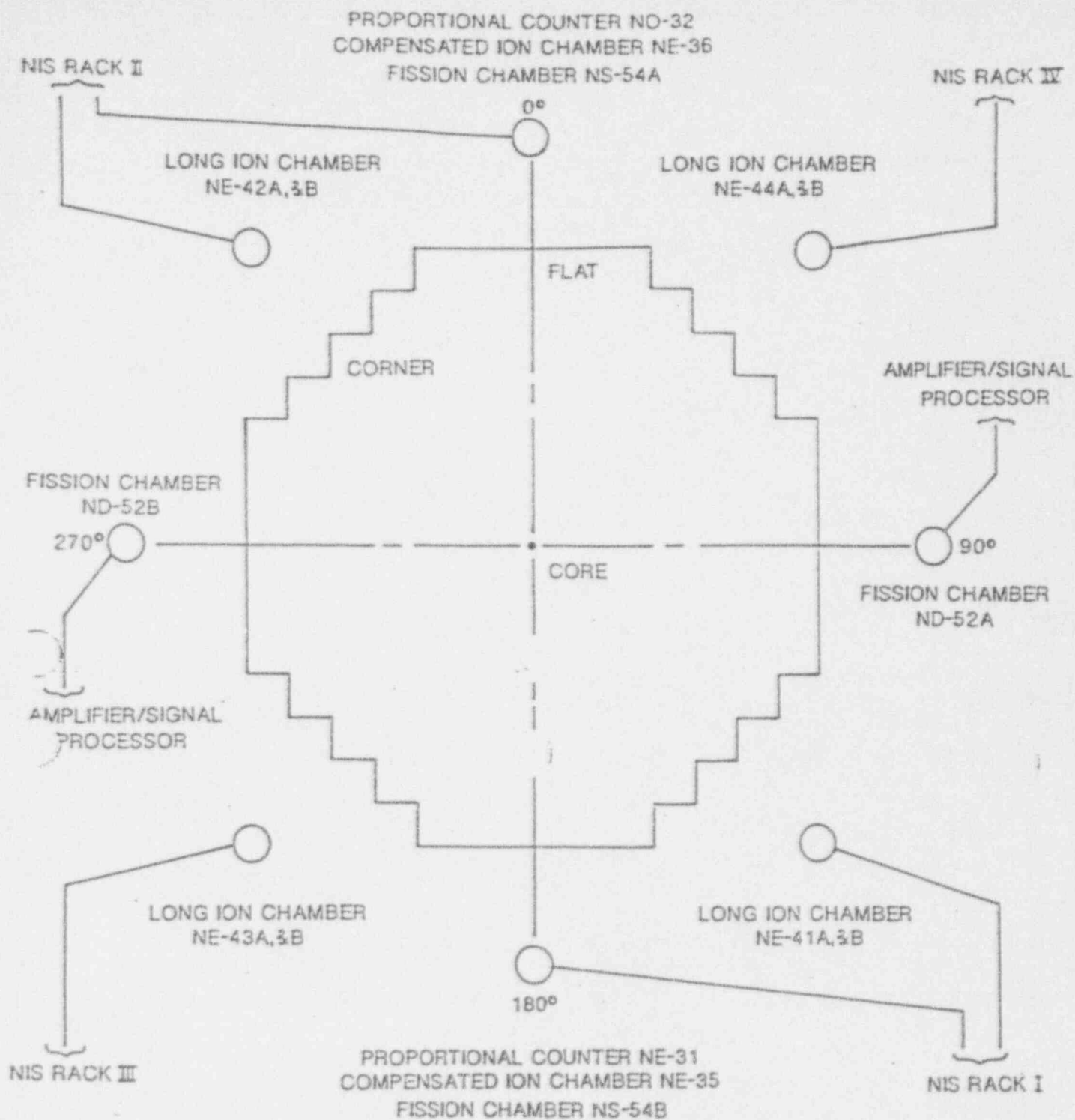
Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFC
NRV ERDS Parameter:	NI POWER RNG
Point ID:	N0050A
Plant Spec Point Desc.:	PWR RNG CHAN 2 FLUX      NM42F
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 101%/LO ALM @ -1%
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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. 2NMP*NE42 A&B (SEE ATTACHED NIS DETECTOR LOCATION DWG.) DP MANUAL CHAPTER 2, 10080-1LD-02-006.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	N1 POWER RNG
Point ID:	W0051A
Plant Spec Point Desc.:	PWR RNG CHAN 3 FLUX      NM43F
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 101%/LO ALM @ -1%
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. 2NMP*NE4 3A&B (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2, 100B0-TLD-02-007

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	N1 POWER RNG
Point ID:	W0052A
Plant Spec Point Desc.:	PWR RNG CHAN 4 FLUX NM44F
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 101%/LO ALM @ -1%
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	POWER RANGE LEVEL IS CALIBRATED FROM A SECONDARY PLANT CALIMETRIC CALCULATION TO PROVIDE FULL RATED POWER LEVEL. POWER RANGE LEVEL IS AN AVERAGE OF THE UPPER AND LOWER DETECTOR FLUX LEVELS. 2NMP*WE44 A&B (SEE ATTACHED N1S DETECTOR LOCATION DWG.) OP MANUAL CHAPTER 2, 10080-TLD-02-008.



NIS DETECTOR LOCATIONS TOP VIEW

FIGURE NO. 2-5

ISSUE 1 REV. 2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	COND A/E RAD
Point ID:	R0001A
Plant Spec Point Desc.:	AIR EJ DISCHARGE      2ARC-RQ100
Generic/Cond Desc.:	COND AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	uCi/cc
Engr Units Conversion:	N/A
Minimum Instr Range:	1.0BE-7
Maximum Instr Range:	1.0BE-1
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2ARC-RQ100 MONITORS THE GASEOUS EFFLUENT FROM THE CONDENSER AIR EJECTOR DISCHARGE FOR XE 133 BEFORE THE CHARCOAL DELAY BEDS. AN ALARM INDICATES A PRIMARY TO SECONDARY LEAK. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A BETA SCINTILLATION DETECTOR MONITORS THE CONDENSER AIR EJECTOR DISCHARGE UPSTREAM OF THE CHARCOAL DELAY BEDS. OP MANUAL CHAPTER 43, RM-419-2, TLD-43

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	R0002A
Plant Spec Point Desc.:	RX CLNT LTDN LD RNG 2CHS-RQ101A
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	1.7E-4
Maximum Instr Range:	1.7E2
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2CHS-RQ101A MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT (CS-137) BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE AND DELAYING THEM TO PERMIT SUFFICIENT DECAY OF THE N 16 ISOTOPE BEFORE THEY PASS BY THE DETECTORS. THIS IS AN INDICATION OF FISSION PRODUCTS PRESENT IN THE REACTOR COOLANT. THIS RADIATION MONITOR PROVIDES THE LOW RANGE INDICATION. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A DETECTOR MONITORS GROSS ACTIVITY OF THE REACTOR COOLANT AT REACTOR COOLANT LETDOWN LINE



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	R0003A
Plant Spec Point Desc.:	RX CLNT LTDN HI RNG 2CHS-RQ101B
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	UC1/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	7.2E-2
Maximum Instr Range:	7.2E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	2CHS-RQ101B MONITORS THE GROSS ACTIVITY OF THE REACTOR COOLANT (CS-137) BY DRAWING SAMPLES FROM THE REACTOR COOLANT LETDOWN LINE AND DELAYING THEM TO PERMIT SUFFICIENT DECAY OF THE N 16 ISOTOPE BEFORE THEY PASS BY THE DETECTORS. THIS IS AN INDICATION OF FISSION PRODUCTS PRESENT IN THE REACTOR COOLANT. THIS RADIATION MONITOR PROVIDES THE HIGH RANGE INDICATION. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A DETECTOR MONITORS GROSS ACTIVITY OF THE REACTOR COOLANT AT REACTOR COOLANT LETDOWN LINE

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	COND A/E RAD
Point ID:	R0010A
Plant Spec Point Desc.:	AIR EJ DELAY BED      2GWS-RQ102
Generic/Cond Desc.:	COND AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	2.33E-7
Maximum Instr Range:	2.33E-1
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2GWS-RQ102 MONITORS THE GASEOUS EFFLUENT FROM THE AIR EJECTOR CHARCOAL BED FOR KE 133. AN ALARM INDICATES A PRIMARY TO SECONDARY LEAK AND A POSSIBLE MALFUNCTION OF THE CHARCOAL DELAY BEDS. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A BETA SCINTILLATION DETECTOR MONITORS AIR EJECTOR CHARCOAL BED GASEOUS EFFLUENT. OP MANUAL CHAPTER 43, RM-443-17, TLD-43-062

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG BD RAD
Point ID:	R0079A
Plant Spec Point Desc.:	SG BLOWDOWN          ZSSR-R0100
Generic/Cond Desc.:	STM GEN A/B/C BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	UC1/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	7.7E-8
Maximum Instr Range:	7.7E-2
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	ZSSR-R0100 MONITORS THE ACTIVITY OF THE STEAM GENERATOR BLOWDOWN F OR CS-137. SAMPLES ARE TAKEN FROM A COMMON HEADER WHICH ACTS AS A M ANIFOLD FROM THE THREE STEAM GENERATORS. A HIGH ALARM ISOLATES THE SAMPLE LINES. THE SAMPLING VALVE ARRANGEMENT PERMITS THE OPERATOR TO DETERMINE THE SOURCE OF THE HIGH ACTIVITY. DETECTOR OUTPUT IS SE NT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALU E AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A GAMMA S CINTILLATOR MONITORS THE ACTIVITY OF THE STEAM GENERATOR BLOWDOWN E FFLUENT IN A COMMON HEADER FROM ALL THREE STEAM GENERATORS.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	R00B6A
Plant Spec Point Desc.:	IN-CNMT HI RNG AREA 2RMR*RQ206
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1EB
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RMR*RQ206 MONITORS THE RADIATION LEVELS INSIDE CONTAINMENT AND PROVIDES BOTH LOCAL AND CONTROL ROOM ALARMS AND INDICATION. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. AN ION CHAMBER DETECTS HIGH RANGE AREA RADIATION LEVELS INSIDE CONTAINMENT. DP MANUAL CHAPTER 43, TLD-43-D17

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	R0087A
Plant Spec Point Desc.:	IN-CMNT HI RNG AREA 2RMR*RQ207
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1EB
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RMR*RQ207 MONITORS THE RADIATION LEVELS INSIDE CONTAINMENT AND PROVIDES BOTH LOCAL AND CONTROL ROOM ALARMS AND INDICATION. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. AN ION CHAMBER DETECTS HIGH RANGE AREA RADIATION LEVELS INSIDE CONTAINMENT. OP MANUAL CHAPTER 43, TLD-43-01B.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data feeder:	ERFCS
NRC ERDS Parameter:	MAIN SL A
Point ID:	R008BA
Plant Spec Point Desc.:	MAIN STM ACTIVITY 2MSS*RQ101A
Generic/Cond Desc.:	STM GEN A STEAM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2MSS*RQ101A MONITORS THE ACTIVITY (KR-88) FOLLOWING AN ACCIDENT IN WHICH THE POWER-OPERATED DUMP VALVES OR MAIN STEAM SAFETY VALVES MAY BE USED AS A DISCHARGE PATH TO THE ENVIRONMENT. THIS MONITOR IS ACTIVATED BY A SAFETY INJECTION SIGNAL. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A GAMMA SCINTILLATOR DETECTS ACTIVITY IN THE MAIN STEAM LINE BETWEEN SG A AND THE MAIN STEAM TRIP VALVES UPSTREAM OF THE SAFETY VALVE TIE-IN. DP MANUAL CHAPTER 43, TLD-43-071, RM-421-2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameters:	MAIN SL B
Point ID:	R0089A
Plant Spec Point Desc.:	MAIN STM ACTIVITY 2MSS*RQ101B
Generic/Cond Desc.:	STM GEN B STEAM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2MSS*RQ101B MONITORS THE ACTIVITY (KR-BB) FOLLOWING AN ACCIDENT IN WHICH THE POWER-OPERATED DUMP VALVES OR MAIN STEAM SAFETY VALVES MAY BE USED AS A DISCHARGE PATH TO THE ENVIRONMENT. THIS MONITOR IS ACTIVATED BY A SAFETY INJECTION SIGNAL. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A GAMMA SCINTILLATOR DETECTS ACTIVITY IN THE MAIN STEAM LINE BETWEEN SG B AND THE MAIN STEAM TRIP VALVES UPSTREAM OF THE SAFETY VALVE TIE-IN. OF MANUAL CHAPTER 43, TLD-43-075, RM-421-2



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MAIN SL C
Point ID:	RD090A
Plant Spec Point Desc.:	MAIN STM ACTIVITY 2MSS*RQ101C
Generic/Cond Desc.:	STM GEN C STEAM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	UC1/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2MSS*RQ101C MONITORS THE ACTIVITY (KR-BB) FOLLOWING AN ACCIDENT IN WHICH THE POWER-OPERATED DUMP VALVES OR MAIN STEAM SAFETY VALVES MAY BE USED AS A DISCHARGE PATH TO THE ENVIRONMENT. THIS MONITOR IS ACTIVATED BY A SAFETY INJECTION SIGNAL. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A GAMMA SCINTILLATOR DETECTS ACTIVITY IN THE MAIN STEAM LINE BETWEEN SG C AND THE MAIN STEAM TRIP VALVES UPSTREAM OF THE SAFETY VALVE TIE-IN. OP MANUAL CHAPTER 43, TLD-43-076, RM-421-2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	R0094A
Plant Spec Point Desc.:	LIQ WST EFFLUENT 2SGC-RQ100
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQ
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversion:	N/A
Minimum Instr Range:	5.1E-8
Maximum Instr Range:	5.1E-2
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2SGC-RQ100 RECEIVES AN AUTO-START SIGNAL AND MONITORS THE ACTIVITY (CS-137) IN THE LIQUID WASTE PROCESS SYSTEM WHEN FLOW IS DETECTED., UPON DETECTION OF HIGH RADIATION A VALVE IS CLOSED TO PREVENT THE RELEASE OF THIS DISCHARGE. DETECTOR OUTPUT IS SENT TO DIGITAL RADIATION MONITOR SYSTEM (DRMS) WHICH TRANSMITS VALUE AND MEASUREMENT CONDITION ONCE PER MINUTE TO THE ERFCS. A GAMMA SCINTILLATOR DETECTS ACTIVITY IN THE DISCHARGE FROM A LIQUID WASTE PROCESS SYSTEM. OF MANUAL CHAPTER 43, TLD-43-048

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL TEMP A
Point ID:	T0406A
Plant Spec Point Desc.:	RCL A COLD LEG TEMP RCS*TE410
Generic/Cond Desc.:	STM GEN A OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	REACTOR COOLANT LOOP A COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. 2RCS*TE410 IS LOCATED BETWEEN 2RCS*P21A DISCHARGE AND TE A LOOP STOP VALVE. 10080-TLD-06-040, RM-75A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL TEMP A
Point ID:	T0419A
Plant Spec Point Desc.:	RCL A HOT LEG TEMP      RCS*TE413
Generic/Cond Desc.:	STM GEN A INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	REACTOR COOLANT LOOP A HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MA IN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COM PUTERS. 2RCS*TE413 IS LOCATED BETWEEN A LOOP STOP VALVE AND COOLAN T INLET TO SG A. 100B0-TLD-06-044, RM-75A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL TEMP B
Point ID:	TD426A
Plant Spec Point Desc.:	RCL B COLD LEG TEMP    RCS*TE420
Generic/Cond Desc.:	STM GEN B OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	REACTOR COOLANT LOOP B COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. 2RCS*TE420 IS LOCATED BETWEEN 2RCS*P21B DISCHARGE AND THE B LOOP STOP VALVE. 10080-TLD-06-056, RM-75A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL TEMP B
Point ID:	TD439A
Plant Spec Point Desc.:	RCL B HOT LEG TEMP      RCS*TE423
Generic/Cond Desc.:	STM GEN B INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	REACTOR COOLANT LOOP B HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MA IN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COM PUTERS. 2RCS*TE423 IS LOCATED BETWEEN . LOOP STOP VALVE AND COOLAN T INLET TO SG B. 100B0-TLD-06-060, RM-75A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL TEMP C
Point ID:	T0446A
Plant Spec Point Desc.:	RCL C COLD LEG TEMP    RCS*TE430
Generic/Cond Desc.:	SIM GEN C OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 650 DEGF
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.:	REACTOR COOLANT LOOP C COLD LEG TEMPERATURE SIGNAL IS SENT TO THE MAIN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COMPUTERS. 2RCS*TE430 IS LOCATED BETWEEN 2RCS*P21C DISCHARGE AND THE C LOOP STOP VALVE. 10080-TLD-06-072, RM-75A



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL TEMP C
Point ID:	T0459A
Plant Spec Point Desc.:	RCL C HOT LEG TEMP      RCS*TE433
Generic/Cond Desc.:	STM GEN C INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 650 DEGF
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.:	REACTOR COOLANT LOOP C HOT LEG TEMPERATURE SIGNAL IS SENT TO THE MA IN CONTROL BOARD, REMOTE SHUTDOWN PANEL, AND THE PLANT AND PSMS COM PUTERS. 2RCS*TE433 IS LOCATED BETWEEN C LOOP STOP VALVE AND COOLAN T INLET TO SG C. 10080-TLD-06-076, RM-75A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	T1002A
Plant Spec Point Desc.:	RX CNMT TEMP      LMS-TE100-2
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 103.0 DEGF
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	HIGH
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2LMS*TE100-2 MEASURES CONTAINMENT TEMPERATURE INSIDE THE CRANEWALL. SEE ATTACHED DRAWING FOR DETECTOR LOCATIONS IN CONTAINMENT. 2LMS*TE100-2 SENSES CONTAINMENT TEMPERATURE AT B01' 5" ELEVATION INSIDE THE CRANEWALL. 100BD-TLD-12B-007, RK-14A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	T1008A
Plant Spec Point Desc.:	RX CNMT TEMP          LMS-TE100-B
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	50
Maximum Instr Range:	130
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 103.0 DEGF
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2LMS*TE100-B MEASURES CONTAINMENT TEMPERATURE INSIDE THE CRANEWALL. SEE ATTACHED DRAWING FOR DETECTOR LOCATIONS IN CONTAINMENT. 2LMS*TE100-B SENSES TEMPERATURE IN CONTAINMENT AT 743' ELEVATION INSIDE THE CRANEWALL. 10080-TLD-12B-013, RK-14A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameters:	CTMNT TEMP
Point ID:	T1013A
Plant Spec Point Desc.:	RX CNMT TEMP      LMS-TE100-13
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 103.0 DEGF
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2LMS*TE100-13 MEASURES CONTAINMENT TEMPERATURE INSIDE THE CRANEWALL . SEE ATTACHED DRAWING FOR DETECTOR LOCATIONS IN CONTAINMENT. 2LMS* TE100-13 SENSES TEMPERATURE IN CONTAINMENT AT 802' ELEVATION INSID E THE CRANEWALL. 10080-TLD-12B-01B, RK-14A

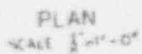
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	T1014A
Plant Spec Point Desc.:	RX CNMT TEMP      LMS-TE100-14
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 103.0 DEGF
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2LMS*TE100-4 MEASURES CONTAINMENT TEMPERATURE OUTSIDE THE CRANEWALL . SEE ATTACHED DRAWING FOR DETECTOR LOCATIONS IN CONTAINMENT. 2LMS* TE100-14 SENSES TEMPERATURE IN CONTAINMENT AT 70Y' 6" ELEVATION OU TSIDE THE CRANEWALL. 10080-TLD-12B-019, RK-14A

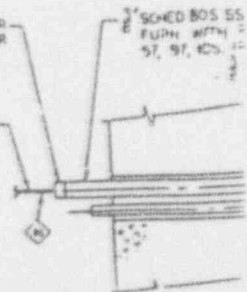
BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	T1015A
Plant Spec Point Desc.:	RX CNMT TEMP      LMS-TE100-15
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig Scales:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 103.0 DEGF
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument failure Mode:	HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	2LMS*TE100-5 MEASURES CONTAINMENT TEMPERATURE OUTSIDE THE CRANEWALL SEE ATTACHED DRAWING FOR DETECTOR LOCATIONS IN CONTAINMENT. 2LM S*TE100-15 SENSES TEMPERATURE IN CONTAINMENT AT 777' 4" ELEVATION OUTSIDE THE CRANEWALL. 10080-TLD-12B-020, RK-14A

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BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN FD FL A
Point ID:	UF1001
Plant Spec Point Desc.:	MF FLO SG A AVG
Generic/Cond Desc.:	STM GEN A MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	5000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE VENTU RI FLOW ELEMENT 2FWS*FE476. THERE ARE TWO, HALF CAPACITY, MAIN FEED PUMPS WHICH HAVE A DESIGN FLOW RATE OF 15,200 GPM AT 1,694 FT. TO TAL DESIGN HEAD (TDH) EACH. 2FWS*FT476, SFWS*FT477 SENSE FLOW TO SG A BETWEEN THE MAIN FEED PUMP DISCHARGE AND THE MAIN FEED REGULATIN G VALVE. 10080-TLD-24A-052, 10080-TLD-24A-050, RM-45A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN FD FL B
Point ID:	UFT002
Plant Spec Point Desc.:	MF FLO SG B AVG
Generic/Cond Desc.:	STM GEN B MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	5000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE VENTU RI FLOW ELEMENT 2FWS*FE486. THERE ARE TWO, HALF CAPACITY, MAIN FEED PUMPS WHICH HAVE A DESIGN FLOW RATE OF 15,200 GPM AT 1,694 FT. TO TAL DESIGN HEAD (TDH) EACH. 2FWS*FT486, 2FWS*FT487 SENSE FLOW TO SG B BETWEEN THE MAIN FEED PUMP DISCHARGE AND THE MAIN FEED REGULATIN G VALVE. 10080-TLD-24A-057, 10080-TLD-24A-058, RM-45A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN FD FL C
Point ID:	UF1003
Plant Spec Point Desc.:	MF FLO SG C AVG
Generic/Cond Desc.:	STM GEN C MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	5000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE VENTU R1 FLOW ELEMENT 2FWS*FE496. THERE ARE TWO, HALF CAPACITY, MAIN FEED PUMPS WHICH HAVE A DESIGN FLOW RATE OF 15,200 GPM AT 1,694 FT. TO TAL DESIGN HEAD (TDH) EACH. 2FWS*FT496, 2FWS*FT497 SENSE FLOW TO SG C BETWEEN THE MAIN FEED PUMP DISCHARGE AND THE MAIN FEED REGULATIN G VALVES. 10080-TLD-24A-064, 10080-TLD-24A-065, RM-45A

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HP SI FLOW
Point ID:	UF1011
Plant Spec Point Desc.:	H1 SI TOTAL FLOW
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	2000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	SUM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE TOTAL FLOW THROUGH THE TRAIN A & B HIGH PRESSURE SAFETY INJECTION LINES. THE CHARGING PUMPS (2CHS*P21A,B,C) PROVIDE THE HHSI FLOW. 2SIS*FT940 (TRAIN A) AND 2SIS*FT943 (TRAIN B) SENSE FLOW AT THE DISCHARGE OF 2CHS*P21A,B, AND C PRIOR TO THE HEADER CONNECTION TO THE HOT AND COLD LEGS OF RX. COOLANT LOOPS A, B, AND C. 10080-TLD-11A-038, 10080-TLD-11A-039, RM-407-1, RM-411-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	UF1013
Plant Spec Point Desc.:	TOTAL CHARGING PMP FLO
Generic/Cond Desc.:	PRIMARY SYSTEM CHG OR MU FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	195
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	4
How Processed:	SUM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	TOTAL CHARGING FLOW IS CALCULATED BY ADDING THE NORMAL CHARGING FLOW AND THE RCP SEAL INJECTION FLOW, THEN SUBTRACTING THE RCP SEAL LEAKOFF FLOW. THERE ARE THREE CHARGING PUMPS 2CHS*P21A,B,C EACH CAPABLE OF SUPPLYING 150 GPM AT 2500 PSIG WITH A SHUTOFF HEAD OF 2600 PSIG. 2RCS*FT422 SENSES NORMAL CHARGING FLOW, 2RCS*FT124,127,130 SENSE RX. COOLANT PUMP SEAL INJECTION FLOW AND 2RCS*FT154A,155A,156A SENSE RX. COOLANT PUMP SEAL LEAKOFF. 10080-TLD-006-023, 10080-TLD-006-026, 10080-TLD-006-027, 10080-TLD-006-079, 10080-TLD-006-080, 10080-TLD-006-081, 10080-TLD-006-094, RM-407-1,RM-407-3

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	UF1014
Plant Spec Point Desc.:	LO SI FLO
Generic/Cond Desc.:	LOW PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	SUM
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS TOTAL FLOW THROUGH TRAIN A & B LOW PRESS SAFETY INJECTION HEADER OR SAFETY INJECTION FLOW FROM RECIRC. SPRAY PUMPS TO RX. COOL. LOOPS A, B, AND C. PUMPS 2S1S*P21A AND B HAVE A DESIGN FLOW RATE OF 3000 GPM AT 240 PSIG WITH A SHUTOFF HEAD OF 350'. THE RECIRC. PUMPS (2RSS*P21A,B,C,D) HAVE A DESIGN FLOW RATE OF 3500 GPM AT 280F AND 266 FT. 2S1S*FT945 (TRN A) AND 2S1S*FT946 (TRN B) SENSE FLOW AT THE RECHARGE OF THE LHSI PUMPS (2S1S*P21A AND B) BETWEEN THE RECIRC. SPRAY PUMP CONNECTION TO THE INJECTION HEADER AND THE HEADER CONNECTION TO THE HOT AND COLD LEGS FOR RX. COOL. LOOPS A,B,C

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	AX FD FL A
Point ID:	UF3000
Plant Spec Point Desc.:	AF FLO SG A
Generic/Cond Desc.:	STM GEN A AUXILLIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE SAME FLOW ELEMENT LOCATED BEFORE THE A AUX FEED LINE CONTAINMENT PENETRATION. THE AUXILIARY FEEDWATER SYSTEM CONSISTS OF TWO HALF SIZE MOTOR DRIVEN FEED PUMPS (375 GPM AT 2760 TDH) AND ONE FULL SIZE TURBINE DRIVEN FEED PUMP (750 GPM AT 2760 TDH) WHICH TAKE A SUCTION ON THE 152,000 GAL. PRIMARY PLANT DEMAIN. WATER STORAGE TANK. 2FWE*FT100A, 2FWE*FT100A1 SENSE FLOW BETWEEN THE AUXILIARY FEEDWATER THROTTLE VALVES AND SG A. THE AUX FEEDWATER LINE TAPS INTO THE MAIN FEEDLINE BETWEEN THE FEEDWATER ISOLATION VALE AND SG A.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERTCS
NRC ERDS Parameter:	AX FD FL B
Point ID:	UF3001
Plant Spec Point Desc.:	AF FLO SG B
Generic/Cond Desc.:	STM GEN B AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE SAME FLOW ELEMENT LOCATED BEFORE THE B AUX FEED LINE CONTAINMENT PENETRATION. THE AUXILIARY FEEDWATER SYSTEM CONSISTS OF TWO HALF SIZE MOTOR DRIVEN FEED PUMPS (375 GPM AT 2760 TDH) AND ONE FULL SIZE TURBINE DRIVEN FEED PUMP (750 GPM AT 2760 TDH) WHICH TAKE A SUCTION ON THE 152,000 GAL. PRIMARY PLANT DEMIN. WATER STORAGE TANK. 2FWE*F100B, 2FWE*F100B1 SENSE FLOW BETWEEN THE AUXILIARY FEEDWATER THROTTLE VALVES AND SG B. THE AUX FEEDWATER LINE TAPS INTO THE MAIN FEEDLINE BETWEEN THE FEEDWATER ISOLATION VALVE AND SG B.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	AX FD FL C
Point ID:	UF3002
Plant Spec Point Desc.:	AF FLO SG C
Generic/Cond Desc.:	STM GEN C AUXILLIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	THIS VALUE IS THE AVERAGE OF TWO FLOW SIGNALS SENSED FROM THE SAME FLOW ELEMENT LOCATED BEFORE THE C AUX FEED LINE CONTAINMENT PENETRATION. THE AUXILIARY FEEDWATER SYSTEM CONSISTS OF TWO HALF SIZE MOTOR DRIVEN FEED PUMPS (375 GPM AT 2760 TDH) AND ONE FULL SIZE TURBINE DRIVEN FEED PUMP (750 GPM AT 2760 TDH) WHICH TAKE A SUCTION ON THE 152,000 GAL. PRIMARY PLANT DEMIN. WATER STORAGE TANK. 2FWE*FT100 C, 2FWE*FT100C1 SENSE FLOW BETWEEN THE AUXILIARY FEEDWATER THROTTLE VALVES AND SG C. THE AUX FEEDWATER LINE TAPS INTO THE MAIN FEEDLINE BETWEEN THE FEEDWATER ISOLATION VALVE AND SG C.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	UL1000
Plant Spec Point Desc.:	PRZR LEV AVG
Generic/Cond Desc.:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TOPHTR
Reference Point Notes:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 92 %/LO ALM @ 14 %
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.:	THE INDICATED LEVEL CAN BE THE AVERAGE OF THREE, TWO OR ONE LEVEL TRANSMITTER SIGNAL DEPENDING ON THE DEVIATION BETWEEN VALUES. SEE ATTACHED CURVE OF % LEVEL VRS PRESSURIZER VOLUME IN GALLONS. 2RCS*LT 459, 460, 461 SENSE PRESSURIZER LEVEL FROM 748' 3 3/4" (LOWER TRANSMITTER TAP) TO 780' 10 9/16" (UPPER TRANSMITTER TAP). ZERO REF: MINIMUM WATER LEVEL (TOP OF HEATERS) IS AT 752' 1 5/8" OR APPROXIMATELY 12%. REF: OP MAN. CHAP. 6; 2004.150-001-010; RK-326R; RK-326S; RK-326T

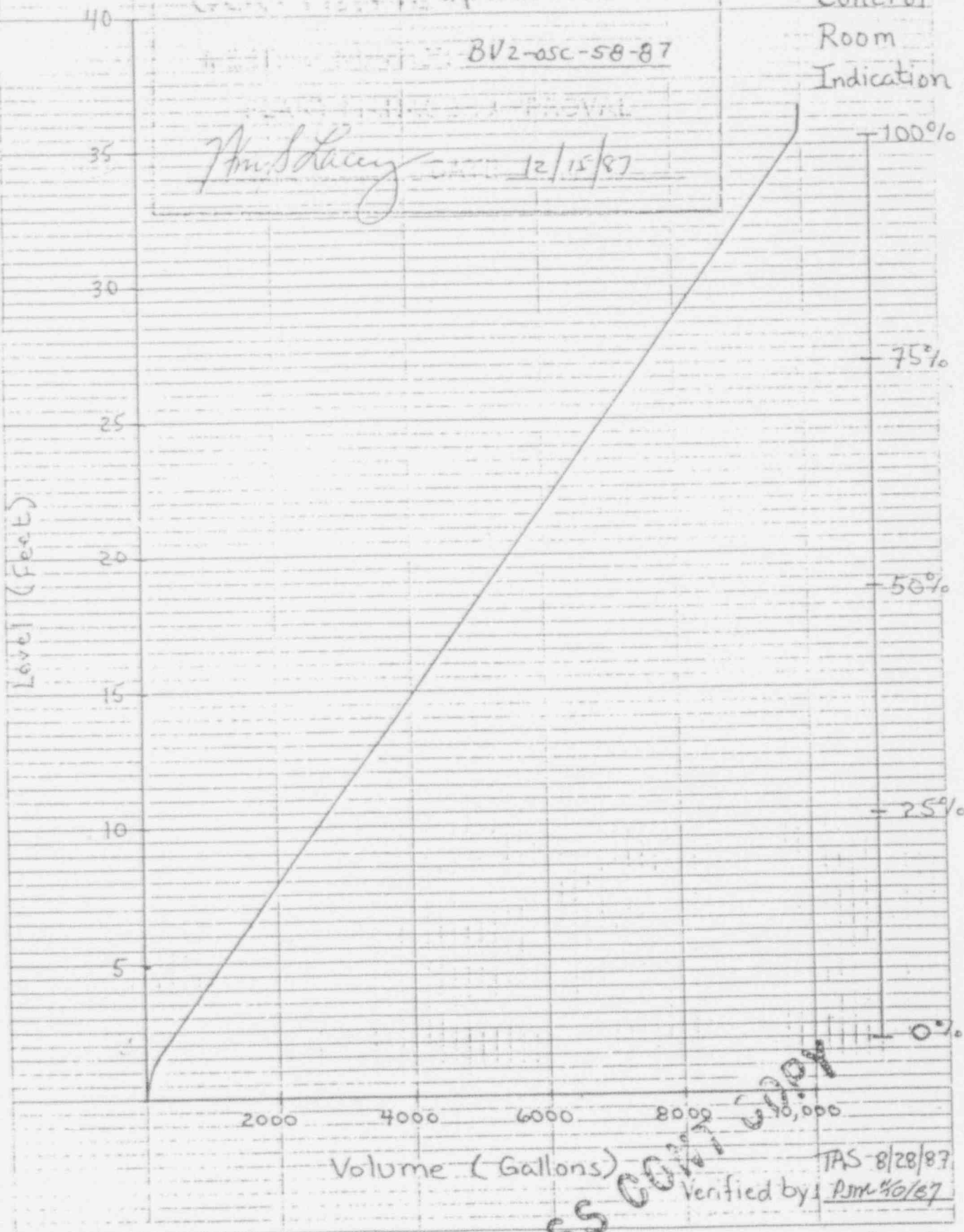
# PRESSURIZER [2RCS\*PRE21]

QCC REVIEW

BV2-asc-58-87

*Am. Safety* 12/15/87

Control  
Room  
Indication



Volume (Gallons)

SS CONT COPY

TAS-8/28/87  
Verified by: PJM 4/6/87

Rev. 0

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	UP1000
Plant Spec Point Desc.:	CNMT PRESS AVG
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:	180
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 59.7 PSIA
HI Detector Power Supply Cut-off Power Level:	N/A
HI 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.:	THIS SIGNAL IS AN AVERAGE OF TWO CONTAINMENT PRESSURE SIGNALS. THE DESIGN PRESSURE OF THE BV2 REACTOR CONTAINMENT IS 8 PSIG TO 45 PSIG. 2LMS*PT106A, 2LMS*PT106B SENSE CONTAINMENT PRESSURE FROM AN OPERATING TAP IN CONTAINMENT. 100B0-TLD-12B-034, 100B0-TLD-12B-035, RK-321H, RK-321K

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	UP1001
Plant Spec Point Desc.:	RCS WR PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	3000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	THIS SIGNAL IS AN AVERAGE OF THREE WIDE RANGE RCS PRESSURE SIGNALS. 2RCS*PT440,442 SENSES PRESSURE AT LOOP A HOT LEG RVLIS TAP LOCATED BETWEEN LOP A HOT LEG ISOLATION VALVE AND THE REACTOR VESSEL. 2RC S*PT441 SENSES PRESSURE AT LOOP B HOT LEG RVLIS TAP LOCATED BETWEEN THE LOOP B HOT LEG ISOLATION VALVE AND THE REACTOR VESSEL. 100B0-T LD-D6-D04, 100B0-TLD-D6-D05, 100B0-TLD-D5D-D08, RK-25G, RK-25E

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG PRESS A
Point ID:	UP1003
Plant Spec Point Desc.:	SG A MAIN STM PRESS AVG
Generic/Cond Desc.:	STEAM GENERATOR A PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LO ALM @ 504 PSIG; HI ALM @ 975 PSIG
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.:	THIS SIGNAL IS AN AVERAGE OF THE THREE MAIN STEAM LINE PRESSURE SENSORS. THE ATMOSPHERIC STEAM DUMP VALVES TRIP OPEN AT 1060 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. 2MSS*PT474, 2MSS*PT475, 2MSS*PT476 SENSE PRESSURE AT SG A MAIN STEAM LINE BETWEEN THE SAFETY RELIEF VALVES AND THE MAIN STEAM LINE ISOLATION VALVE S. 10080-TLD-21A-D10, RM-421-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG PRESS B
Point ID:	UP1004
Plant Spec Point Desc.:	SG B MAIN STM PRESS AVG
Generic/Cond Desc.:	STEAM GENERATOR B PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LO ALM @ 504 PSIG; HI ALM @ 975 PSIG
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.:	THIS SIGNAL IS AN AVERAGE OF THE THREE MAIN STEAM LINE PRESSURE SENSORS. THE ATMOSPHERIC STEAM DUMP VALVES TRIP OPEN AT 1060 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. 2MSS*PT484, 2MSS*PT485, 2MSS*PT486 SENSE PRESSURE AT SG B MAIN STEAM LINE BETWEEN THE SAFETY RELIEF VALVES AND THE MAIN STEAM LINE ISOLATION VALVE S. 10080-TLD-21A-D11, RM-421-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/19/93
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG PRESS C
Point ID:	UP1005
Plant Spec Point Desc.:	SG C MAIN STM PRESS AVG
Generic/Cond Desc.:	STEAM GENERATOR C PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	1200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	3
How Processed:	REDUNDANT SENSOR ALGORITHM (RSA)
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	LO ALM @ 504 PSIG; HI ALM @ 975 PSIG
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.:	THIS SIGNAL IS AN AVERAGE OF THE THREE MAIN STEAM LINE PRESSURE SENSORS. THE ATMOSPHERIC STEAM DUMP VALVES TRIP OPEN AT 1060 PSIG. THE MAIN STEAM SAFETY VALVES BEGIN LIFTING AT 1075 PSIG. 2MSS*PT494, 2MSS*PT495, 2MSS*PT496 SENSE PRESSURE AT SG C MAIN STEAM LINE BETWEEN THE SAFETY RELIEF VALVES AND THE MAIN STEAM LINE ISOLATION VALVE S. 10080-TLD-21A-D20, RM-421-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SUB MARGIN
Point ID:	UT1002
Plant Spec Point Desc.:	MIN SUBCOOL
Generic/Cond Desc.:	SATURATION TEMP - HIGHEST CET
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PRDC or SENS:	P
Number Of Sensors:	0
How Processed:	ERFCS ALGORITHM "DIFF"
Sensor Locations:	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:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	ERFCS USES THE AVERAGE WIDE RANGE PRESSURE UP1001 AND THEN DETERMINES T-SAT (UT1005). THE MINIMUM SUBCOOL WITHIN ERFCS THEN IS DETERMINED BY "DIFF" WHICH IS THE DIFFERENCE BETWEEN THE SATURATION TEMPERATURE AND HIGHEST CET OR BASICALLY UT1005-UT1003. ALARM LIMITS VARY WITH PLANT CONDITION. ALARM CONDITION WILL BE TRANSMITTED OVER ERDS LINK.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/96
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameters:	TEMP CORE EX
Point ID:	UT1003
Plant Spec Point Desc.:	MAX CORE EXIT
Generic/Cond Desc.:	HIGHEST TEMPERATURE AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGT
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	51
How Processed:	ERFCS ALGORITHM "CET"
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.:	ERFCS ACCEPTS THE INPUTS OF THE COMPENSATED CORE EXIT THERMOCOUPLES (51 TOTAL) VIA DATA LINK FROM THE PLANT SAFETY MONITORING SYSTEM (PSMS). THE SPDS ALGORITHM, "CET", THEN SELECTS THE MAXIMUM CORE EXIT THERMOCOUPLE TEMPERATURE. ALARM LIMITS ARE DEPENDANT ON PLANT CONDITION. ALARM CONDITION WILL BE TRANSMITTED OVER ERDS LINE.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	H2 CONC
Point ID:	Y0752A
Plant Spec Point Desc.:	CNMT H2 CONC TRN A HCS*HA100A
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	H1 ALM @ 1.5 %
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.:	CONTAINMENT GAS IS SAMPLED AND ANALYZED AT THE HYDROGEN ANALYZER (2 HCS*HA100A) WITH THE RESULTS TRANSMITTED TO 2HCS*PHL100A WHERE % HYDROGEN IS CALCULATED. 2HCS*HA100A SENSES HYDROGEN AT THE B01 <sup>1</sup> LEVEL IN CONTAINMENT. 100B0-1LD-46-001, RK-317C, RM-446-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ERFCS
WRC ERDS Parameter:	H2 CONC
Point ID:	Y0753A
Plant Spec Point Desc.:	CNMT H2 CONC TRN B HCS*HA100B
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 1.5 %
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.:	CONTAINMENT GAS IS SAMPLED AND ANALYZED AT THE HYDROGEN ANALYZER (2 HCS*HA100B) WITH THE RESULTS TRANSMITTED TO 2HCS*PNL100B WHERE % HYDROGEN IS CALCULATED. 2HCS*HA100B SENSES HYDROGEN AT THE 802' LEVEL IN CONTAINMENT. 10080-TLD-46-002, RK-317C, RM-446-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND SPEED
Point ID:	XM006
Plant Spec Point Desc.:	WIND SPEED 35' LEVEL
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:	50
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Locations:	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 Failurr 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 S AME QUALITY/CALIBRATION. VALUE USED IN DOSE ASSESSMENTS, AS GROUND LEVEL SPEED.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameters:	WIND SPEED
Point ID:	XMD26
Plant Spec Point Desc.:	WIND SPEED 50.1' 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:	50
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND DIR
Point ID:	XM051
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 S AME QUALITY/CALIBRATION. VALUE USED IN DOSE ASSESSMENTS AS GROUND LEVEL DIRECTION. WIND DIRECTION 0 IS NORTH. WIND DIRECTION 1 S DIRECTION FROM WHICH WIND IS COMING.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERA5
NRC ERDS Parameter:	WIND DIR
Point ID:	XMD61
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 Locations:	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 S  
AME QUALITY/CALIBRATION. VALUE USED IN DOSE ASSESSMENTS AS GROUND  
LEVEL DIRECTION. WIND DIRECTION 0 IS NORTH. WIND DIRECTION IS DIREC  
TION FROM WHICH WIND IS COMING.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND DIR
Point ID:	XM061
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 Locations:	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 S AME QUALITY/CALIBRATION. VALUE USED IN DOSE ASSESSMENTS AS GROUND LEVEL DIRECTION. WIND DIRECTION 0 IS NORTH. WIND DIRECTION IS DIREC TION FROM WHICH WIND IS COMING.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB CLASS
Point ID:	XM083
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB CLASS
Point ID:	XMOB7
Plant Spec Point Desc.:	STABILITY-ELEVATED
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 Locations:	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

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
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/UC1/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 6.6E6 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 UC1/ CC CONVERSION DEPENDING ON WHICH DEFAULT SOURCE TERM WAS SELECTED A ND DECAY PERIOD. ALARM SETPOINT CORRESPONDS TO 1 MPC AT MOST RESTRICTIVE RECEPTOR PER ODCM. RM-1GW-109 CH 5 MONITORS FOR LO W RANGE NOBLE GASES AT THE DISCHARGE OF THE GASEOUS WASTE DISPOSAL BLOWERS. THIS SPING MONITOR PROVIDES ALARMS TO WARN THE OPERATOR O F ABNORMAL RELEASES AND PROVIDES INPUT TO COMPUTE INTEGRATED RELEAS E DATA. REF: OP MAN. CHAP. 43; RM-419-1



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR014
Plant Spec Point Desc.:	1RM-GW-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Xe133=3.00E2 CPM/UCI/CC
Minimum Instr Range:	1.0
Maximum Instr Range:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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 A ND DECAY PERIOD. RM-1GW-109 CH 7 MONITORS FOR MID RANGE NOBLE GASE S AT THE DISCHARGE OF THE GASEOUS WASTE DISPOSAL BLOWERS. THIS SPIN G MONITOR PROVIDES ALARMS TO WARN THE OPERATOR OF ABNORMAL RELEASES AND PROVIDES INPUT TO COMPUTE INTEGRATED RELEASE DATA. REF: OP MAN. CHAP. 43; RM-419-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
COMMON BV1/BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XRD15
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:	1.2E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.80E4 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 CH 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 MAN. CHAP. 43; RM-419-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERLS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR041
Plant Spec Point Desc.:	2HVS-RQ1101A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCi/cc
Engr Units Conversion:	N/A
Minimum Instr Range:	5.6E-11
Maximum Instr Range:	5.6E-5
Zero Point Reference:	0
Reference Point Notes:	N/A
PRDC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.4E-8 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 (XE-133) 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. REF: O P MAN. CHAP. 43; TLD-43-068; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR042
Plant Spec Point Desc.:	ZHVS-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:	0.37
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 9.04E-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. ZHVS*RO1101B MONITORS THE GASEOUS ACTIVITY (KR-85) 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. REF: OP MAN. CHAP. 43; TLD-43-06B; RM-416-1

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	KR045
Plant Spec Point Desc.:	2HVS-RQ1109A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCi/cc
Engr Units Conversion:	N/A
Minimum Instr Range:	3.3E-11
Maximum Instr Range:	3.3E-5
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	S
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.4E-9 uCi/cc >BACKGROUND
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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-RQ1109A MONITORS THE AIRBORNE ACTIVITY (XE-131) BETWEEN THE DISCHARGE OF THE LEAK COLLECTION FILTER EXHAUST FANS AND THE ELEVATED RELEASE EXHAUST LINE. THIS SAMPLE IS COMPOSED OF EFFLUENT FROM THE AUX AND FUEL BLDGS. AFTER IT HAS PASSED THROUGH MAIN FILTER BANKS IN THE SLCRS SYSTEM BEFORE BEING DISCHARGED TO ATMOSPHERE. REF: OP MAN CHAP 43; TLD-43-068; RM-416-2

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	01/26/93
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR046
Plant Spec Point Desc.:	2HVS-RQ1109
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCi/cc
Engr Units Conversion:	N/A
Minimum Instr Range:	2.45E-7
Maximum Instr Range:	1.0E+5
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	P
Number Of Sensors:	1
How Processed:	N/A
Sensor Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.26E-5 uCi/cc
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* RQ1109B,C,D MONITORS THE GASEOUS ACTIVITY (XE-133) BETWEEN THE DISCHARGE OF THE LEAK COLLECTION FILTER EXHAUST FANS AND THE ELEVATED RELEASE EXHAUST LINE. THIS SAMPLE IS COMPOSED OF EFFLUENT FROM THE AUX AND FUEL BLDGS AFTER IT HAS PASSED THROUGH THE MAIN FILTER BANKS IN THE SLCRS SYSTEM BEFORE BEING DISCHARGED TO ATMOSPHERE.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR053
Plant Spec Point Desc.:	2MSS-RQ1101A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCi/CC
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.9E-2 uCi/CC >BACKGROUND
N1 Detector Power Supply Cut-off Power Level:	N/A
N1 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/CL TO CORRECT FOR SOURCE TERM DIFFERENCES DEPENDING ON SELECTED DEFAULT SOURCE TERM AND DECAY PERIOD. ONLY READ IF RELEASE ONGOING. DENSITY CORRECTED TO ATMOS PRESS.



BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR054
Plant Spec Point Desc.:	2MSS-RQ1101B
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.9E-2 UCI/CC >BACKGROUND
HI Detector Power Supply Cut-off Power Level:	N/A
HI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation For DP Transmitters:	N
Level Reference %:	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 ATMOS PRESS.

BEAVER VALLEY POWER STATION ERDS DATA POINT LIBRARY  
BV2 ERDS INPUT

Date:	11/14/92
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	XR055
Plant Spec Point Desc.:	2MSS-RQ1101C
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCi/cc
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 Locations:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.9E-2 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. ONLY READ IF RELEASE ONGOING. DENSITY CORRECTED TO ATMOS PRESS.