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L-04-039

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

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

Attached is a revised ERDS Data Point Library (DPL) Required by 10 CFR 50, Appendix E, Section VI. The DPL is being provided in its entirety (Attachment 1) because of the extensive number of changes made. Attachment 2 is a table describing the changes reflected in the DPL. The changes are a result of a comprehensive review of the DPL against computer data provided to the ERDS. The review was initiated as a corrective action because discrepancies had been discovered and reported through the site's Corrective Action Program.

No regulatory commitments are contained in this submittal. If you have any questions concerning the DPL changes, please contact Mr. Larry R. Freeland, Manager, Regulatory Affairs/Performance Improvement at 724-682-5284.

Sincerely,

L. William Pearce

Attachments

c: Mr. T. G. Colburn, NRR Sr. Project Manager
Mr. J. R. Jolicoeur, USNRC Incident Response Division
Mr. P. C. Cataldo, NRC Sr. Resident Inspector
Mr. H. J. Miller, NRC Region I Administrator

Beaver Valley Power Station, Units No. 1 and No. 2
Emergency Response Data System (ERDS)
L-04-039

ATTACHMENT 1
DATA POINT LIBRARY

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	4/26/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	H2-CONC1
Point ID:	C0201A
Plant Spec Point Desc.:	CNMT HYDROGEN CONCENTRATION CH 1
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALARM AT 1.0%
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). Ref: Op Manual Chapter 46, RM-150-1 Alarms valid in Modes 1 thru 4.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	4/26/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA22
Point ID:	C0202A
Plant Spec Point Desc.:	CNMT HYDROGEN CONCENTRATION CH 2
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALARM AT 1.0%
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). Ref: Op Manual Chapter 46, RM-150-1 Alarms valid in Modes 1 thru 4.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	RCS-CHG-MU
Point ID:	F0128A
Plant Spec Point Desc.:	CHG PUMP DISCH HDR UNCORR FLOW
Generic/Cond Desc.:	PRIMARY SYSTEM CHG OR MU FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 PSIG 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 the Charging Pumps CH-P-1A, B and C and the Regenerative Heat Exchanger. Ref: Op Manual Chapter 7; RM-407-1 LOW ALARM = 20 GPM (Modes 1 and 2); 0 GPM (Modes 3 thru 6) HI ALARM = 120 GPM (Modes 1 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	MN-FD-FL-1A
Point ID:	F0403A
Plant Spec Point Desc.:	SG A UNCORR FW 1 FLOW
Generic/Cond Desc.:	STM GEN A MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Feedwater Heater and Feed Regulating Valve (FCV-FW478). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA6
Point ID:	F0404A
Plant Spec Point Desc.:	SG A UNCORR FW 2 FLOW
Generic/Cond Desc.:	STM GEN A MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 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-477 senses Main Feed flow to SG A between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW478). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	MN-FD-FL-2B
Point ID:	F0423A
Plant Spec Point Desc.:	SG B UNCORR FW 1 FLOW
Generic/Cond Desc.:	STM GEN B MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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 Feedwater Heater and Feed Regulating Valve (FCV-FW488). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4.2 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA7
Point ID:	F0424A
Plant Spec Point Desc.:	SG B UNCORR FW 2 FLOW
Generic/Cond Desc.:	STM GEN B MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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 15200 GPM at 1900 TDH supply feedwater to three Steam Generators. FT-1FW-487 senses Main Feed flow to SG B between the First Point Feedwater Heater and Feed Regulating Valve (FCV-FW488). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4.2 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	MN-FD-FL-3C
Point ID:	F0443A
Plant Spec Point Desc.:	SG C UNCORR FW 1 FLOW
Generic/Cond Desc.:	STM GEN C MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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 Feedwater Heater and Feed Regulating Valve (FCV-FW498). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4.2 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA8
Point ID:	F0444A
Plant Spec Point Desc.:	SG C UNCORR FW 2 FLOW
Generic/Cond Desc.:	STM GEN C MAIN FEEDWATER FLOW
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	4.6120
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Feedwater Heater and Feed Regulating Valve (FCV-FW498). Ref: Op Manual Chapter 24; RM-424-1 LOW ALARM = 0 MLB/HR (Modes 1 and 2) HIGH ALARM = 4.2 MLB/HR (Modes 1 and 2) Also alarm on redundant tolerance (Modes 1 and 2) No alarms (Mode 3 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	AX-FD-FL-1A
Point ID:	F0601A
Plant Spec Point Desc.:	SG A AUX FEED FLOW
Generic/Cond Desc.:	STM GEN A AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Auxiliary Feedwater flow is provided by 1 Steam Driven (700 GPM) pump (1FW-P-2) and 2 Electric Driven (350 GPM) pumps (1FW-P-3A and B) taking suction on Primary Plant Demineralized Storage Tank or River Water System. Auxiliary Feedwater Pump (1FW-P-4) takes suction from the Demineralized Water Storage Tanks (1WT-TK-11, 26) and provides 440-700 GPM flow to bring plant to cold shutdown. 1FW-P-4 is required because the 1st 3 pumps do not comply with separation requirements of 10CFR50 APPENDIX R. FT-1FW-100A senses Auxiliary Feedwater to SG A between Auxiliary Feedwater Throttle Valves and SG A. Auxiliary Feedwater Header connects with the Main Feedwater line downstream of the Main Feedwater Isolation Valves.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	AX-FD-FL-2B
Point ID:	F0602A
Plant Spec Point Desc.:	SG B AUX FEED FLOW
Generic/Cond Desc.:	STM GEN B AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Auxiliary Feedwater flow is provided by 1 Steam Driven (700 GPM) pump (1FW-P-2) and 2 Electric Driven (350 GPM) pumps (1FW-P-3A and B) taking suction on Primary Plant Demineralized Storage Tank or River Water System. Auxiliary Feedwater Pump (1FW-P-4) takes suction from the Demineralized Water Storage Tanks (1WT-TK-11, 26) and provides 440-700 GPM flow to bring plant to cold shutdown. 1FW-P-4 is required because the 1st 3 pumps do not comply with separation requirements of 10CFR50 APPENDIX R. FT-1FW-100B senses Auxiliary Feedwater to SG B between Auxiliary Feedwater Throttle Valves and SG B. Auxiliary Feedwater Header connects with the Main Feedwater line downstream of the Main Feedwater Isolation Valves.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	AX-FD-FL-3C
Point ID:	F0603A
Plant Spec Point Desc.:	SG C AUX FEED FLOW
Generic/Cond Desc.:	STM GEN C AUXILIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Auxiliary Feedwater flow is provided by 1 Steam Driven (700 GPM) pump (1FW-P-2) and 2 Electric Driven (350 GPM) pumps (1FW-P-3A and B) taking suction on Primary Plant Demineralized Storage Tank or River Water System. Auxiliary Feedwater Pump (1FW-P-4) takes suction from the Demineralized Water Storage Tanks (1WT-TK-11, 26) and provides 440-700 GPM flow to bring plant to cold shutdown. 1FW-P-4 is required because the 1st 3 pumps do not comply with separation requirements of 10CFR50 APPENDIX R. FT-1FW-100C senses Auxiliary Feedwater to SG C between Auxiliary Feedwater Throttle Valves and SG C. Auxiliary Feedwater Header connects with the Main Feedwater line downstream of the Main Feedwater Isolation Valves.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	HPSI-FLOW1
Point ID:	F5940A
Plant Spec Point Desc.:	HHSI TO HOT LEG HDR FLOW
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the flow from the High Head Safety Injection Pumps into the Hot and Cold Reactor Coolant Loops A, B and C. CH-P-1A, B and C provide a HHSI flow rate of 150 GPM at 2500 PSIG. FT-1SI-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. Ref: Op Manual Chapter 11; RM-411-1; RM-407-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	HPSI-FLOW2
Point ID:	F5943A
Plant Spec Point Desc.:	HHSI TO BIT FLOW
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the flow from the High Head Safety Injection Pumps into the Boron Injection Tank Header. CH-P-1A, B and C provide a HHSI flow rate of 150 GPM at 2500 PSIG. FT-1SI-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. Ref: Op Manual Chapter 11; RM-411-1; RM-407-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	LPSI-FLOW1
Point ID:	F5945A
Plant Spec Point Desc.:	SI-P-1A DISCHARGE FLOW
Generic/Cond Desc.:	LOW PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	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. Ref: Op Manual Chapter 11; RM-407-1; RM-411-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	LPSI-FLOW2
Point ID:	F5946A
Plant Spec Point Desc.:	SI-P-1B DISCHARGE FLOW
Generic/Cond Desc.:	LOW PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Low Head Safety Injection Pump SI-P-1B takes a suction on the BWST and provides rated flow of 3000 GPM at 111 PSIG to the reactor coolant loops. FT-1SI-946 senses flow at the discharge of the Low Head Safety Injection Pump SI-P-1B. Ref: Op Manual Chapter 11; RM-407-1; RM-411-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-LEVEL-1A
Point ID:	L0403A
Plant Spec Point Desc.:	SG A WIDE RANGE LEVEL
Generic/Cond Desc.:	STEAM GENERATOR A WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 vs. 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 reference top of U Tubes elevation 775' 9". Normal water level is at elevation 783' 2". Ref: Op Manual Chapter 24; ISO 6.24-2743. LOW ALARM = 43% (Modes 1 thru 6) HIGH ALARM = 60% (Modes 1 thru 4); 85% (Modes 5 and 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-LEVEL-2B
Point ID:	L0423A
Plant Spec Point Desc.:	SG B WIDE RANGE LEVEL
Generic/Cond Desc.:	STEAM GENERATOR B WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 vs. 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 reference top of U Tubes elevation 775' 9". Normal water level is at elevation 783' 2". Ref: Op Manual Chapter 24; ISO 6.24-2744. LOW ALARM = 43% (Modes 1 thru 6) HIGH ALARM = 70% (Modes 1 thru 4); 85% (Modes 5 and 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-LEVEL-3C
Point ID:	L0443A
Plant Spec Point Desc.:	SG C WIDE RANGE LEVEL
Generic/Cond Desc.:	STEAM GENERATOR C WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 vs. 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 reference top of U Tubes elevation 775' 9". Normal water level is at elevation 783' 2". Ref: Op Manual Chapter 24; ISO 6.24-2745. LOW ALARM = 43% (Modes 1 thru 6) HIGH ALARM = 60% (Modes 1 thru 4); 85% (Modes 5 and 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-SP-WR1
Point ID:	L0750A
Plant Spec Point Desc.:	RECIRC SUMP WTR LVL 1
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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 Reference 6" above sump bottom. Ref:: Op Manual Chapter 13 LOW ALARM = None (Modes 1 thru 6) HIGH ALARM = 2.5 IN (Modes 1 thru 5); None (Mode 6).

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-SP-WR2
Point ID:	L0751A
Plant Spec Point Desc.:	RECIRC SUMP WTR LVL 2
Generic/Cond Desc.:	CTMNT SUMP WIDE RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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 Reference 6" above sump bottom. Ref: Op Manual Chapter 13 LOW ALARM = None (Modes 1 thru 6) HIGH ALARM = 2.5 IN (Modes 1 thru 5); None (Mode 6).

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CNMNT-SP-NR1
Point ID:	L0752A
Plant Spec Point Desc.:	CNMT SUMP WTR LEVEL
Generic/Cond Desc.:	CNMNT SUMP NARROW RANGE LEVEL
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 10.0; LO ALM @ 3.5 IN ALL MODES
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). Ref: Op Manual Chapter 9

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	REAC-VES-LV1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Reactor Vessel Head and Incore Instrument Tube #8 at the Seal Table are the sensing points. Reference line tubing runs from these points to high volume sensors that isolate the RCS from remainder of the RVLIS tubing. Capillary tubing runs from high volume sensors thru the containment wall to hydraulic isolators. RTDs are installed on capillary lines for containment temperature compensation. ICCM receives transmitter output, invalid if RCPs are running. LT-1RC-1311 senses reactor vessel level between top of Reactor Vessel Head (Elev. 745' 10") to Thimble Guide Tube #8 (Elev. 705' 10"). LOW ALARM = 39% (Mode 3); 95% (Modes 4 and 5) HIGH ALARM = 120% (Modes 3 thru 5) No alarms in Modes 1, 2 and 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	REAC-VES-LV3
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 States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Reactor Vessel at the Incore Instrument Tubes sense Reactor Vessel core and internal DP. Reference line tubing runs from the instrument tubes to high volume sensors that isolate the RCS from the remainder of the RVLIS tubing. Capillary tubing runs from the high volume sensors thru the containment wall to hydraulic isolators. RTDs are installed on capillary lines for containment temperature compensation. ICCM receives transmitter output; this reading is invalid unless RCPs are running. LT-1RC-1312 senses DP across Reactor Vessel and internals when any RCPs are running. LOW ALARM = 95% (Modes 1 thru 5) HIGH ALARM =115% (Modes 1 thru 5) No alarms in Mode 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	REAC-VES-LV2
Point ID:	L3210A
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Reactor Vessel Head and Incore Instrument Tube #8 at the Seal Table are the sensing points. Reference line tubing runs from these points to high volume sensors that isolate the RCS from the remainder of the RVLIS tubing. Capillary tubing runs from high volume sensors through the containment wall to hydraulic isolators. RTDs are installed on capillary lines for containment temperature compensation. ICCM receives transmitter output, invalid if RCPs are running. LT-1RC-1321 senses Reactor Vessel level between top of Reactor Vessel Head (Elev. 745' 10") to Thimble Guide Tube #8 (Elev. 705' 10"). LOW ALARM = 39% (Mode 3); 95% (Modes 4 and 5) HIGH ALARM = 120% (Modes 3 thru 5) No alarms in Modes 1, 2 and 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	REAC-VES-LV4
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Reactor Vessel at the Incore Instrument Tubes sense Reactor Vessel core and internal DP. Reference line tubing runs from the instrument tubes to high volume sensors that isolate the RCS from the remainder of the RVLIS tubing. Capillary tubing runs from the high volume sensors thru the containment wall to hydraulic isolators. RTDs are installed on capillary lines for containment temperature compensation. ICCM receives transmitter output; this reading is invalid unless RCPs are running. LT-1RC-1322 senses DP across Reactor Vessel and inernals when any RCPs are running. LOW ALARM =95% (Mode 1 thru 5) HIGH ALARM =115% (Mode 1 thru 5) No alarms in Mode 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	NI-SOURC-RNG
Point ID:	N0031A
Plant Spec Point Desc.:	SOURCE RANGE DET 1 LOG FLUX
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversioin:	LOG Y = 6/5 * VOLTS
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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.:	Source Range provides power level indication from about 10E-10 % to 10E-4 %. Source Range power level is calibrated from 1 to 1.0E6 counts per second. N-31 (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = No low alarm in any mode HIGH ALARM = 9.0E4 CPS (Modes 1 thru 4); 500 CPS (Modes 5 and 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA5
Point ID:	N0032A
Plant Spec Point Desc.:	SOURCE RANGE DET 2 LOG FLUX
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversioin:	LOG Y = 6/5 * VOLTS
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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.:	Source Range provides power level indication from about 10E-10 % to 10E-4 %. Source Range power level is calibrated from 1 to 1.0E6 counts per second. N-32 (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = No low alarm in any mode HIGH ALARM = 9.0E4 CPS (Modes 1 thru 4); 500 CPS (Modes 5 and 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	12/18/2002
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	NI-INTER-RNG
Point ID:	N0035A
Plant Spec Point Desc.:	INTERMEDIATE RANGE DET 1 LOG FLUX
Generic/Cond Desc.:	NUC INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversioin:	LOG Y = 8/5 * VOLTS - 11
Minimum Instr Range:	1.0E-11
Maximum Instr Range:	1.0E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
NI Detector Power Supply Cut-Off Power Level:	2/4 PWR RNG>10%
NI 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 1.0E-11 to 1.0E-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 NIS detector location dwg.) Ref: Op Manual Chapter 2. LOW ALARM = 1.0E-11 AMP HIGH ALARM = 1.0E-03 AMP (Mode 1); 1.3E-04 AMP (Mode 2 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	12/18/2002
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA4
Point ID:	N0036A
Plant Spec Point Desc.:	INTERMEDIATE RANGE DET 2 LOG FLUX
Generic/Cond Desc.:	NUC INSTRUMENTS, INT RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversioin:	LOG Y = 8/5 * V - 11
Minimum Instr Range:	1.0E-11
Maximum Instr Range:	1.0E-3
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
NI Detector Power Supply Cut-Off Power Level:	2/4 PWR RNG>10%
NI 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 1.0E-11 to 1.0E-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 NIS detector location dwg.) Ref: Op Manual Chapter 2. LOW ALARM = 1.0E-11 AMP HIGH ALARM = 1.0E-03 AMP (Mode 1); 1.3E-04 AMP (Mode 2 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	NI-POWER-RNG
Point ID:	N0049A
Plant Spec Point Desc.:	PWR RNG CHANNEL 1 FLUX (QUAD 4)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. N-41A and N-41B (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = 0% (Modes 1 and 2); None (Modes 3 thru 6) HIGH ALARM = 102% (Mode 1); 20% (Mode 2); 109% (Modes 3 thru 6) Also alarms on redundant tolerance.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA1
Point ID:	N0050A
Plant Spec Point Desc.:	PWR RNG CHANNEL 2 FLUX (QUAD 2)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. N-42A and N-42B (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = 0% (Modes 1 and 2); None (Modes 3 thru 6) HIGH ALARM = 102% (Mode 1); 20% (Mode 2); 109% (Modes 3 thru 6) Also alarms on redundant tolerance.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA2
Point ID:	N0051A
Plant Spec Point Desc.:	PWR RNG CHANNEL 3 FLUX (QUAD 1)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. N-43A and N-43B (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = 0% (Modes 1 and 2); None (Modes 3 thru 6) HIGH ALARM = 102% (Mode 1); 20% (Mode 2); 109% (Modes 3 thru 6) Also alarms on redundant tolerance.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA3
Point ID:	N0052A
Plant Spec Point Desc.:	PWR RNG CHANNEL 4 FLUX (QUAD 3)
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. N-44A and N-44B (see attached NIS detector location dwg.) Ref: Op Manual Chapter 2 LOW ALARM = 0% (Modes 1 and 2); None (Modes 3 thru 6) HIGH ALARM = 102% (Mode 1); 20% (Mode 2); 109% (Modes 3 thru 6) Also alarms on redundant tolerance.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	RCS-PRESSURE
Point ID:	P0498A
Plant Spec Point Desc.:	RCS LOOP 2 WIDE RANGE PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-1RC-403 is RCS 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 (PVC-1RC-455C). PT-1RC-403 is located in Containment. PT-1RC-403 senses pressure between the Reactor Vessel and Loop B Hot Leg Isolation Valve MOV-1RC-592. Ref: Op Manual Chapter 6; RM-406-1 HIGH ALARM = 2300 PSIG (Modes 1 thru 3); 375 PSIG (Modes 4 and 5); 300 PSIG (Mode 6) LOW ALARM = 2150 PSIG (Modes 1 and 2); 300 PSIG (Mode 3); 0 PSIG (Modes 4 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA9
Point ID:	P0499A
Plant Spec Point Desc.:	RCS WR PRESSURE
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-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. Ref: Op Manual Chapter 6; RM-406-1 HIGH ALARM = 2300 PSIG (Modes 1 thru 3); 375 PSIG (Modes 4 and 5); 300 PSIG (Mode 6) LOW ALARM = 2150 PSIG (Modes 1 and 2); 300 PSIG (Mode 3); 0 PSIG (Modes 4 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-PRESS
Point ID:	P1008A
Plant Spec Point Desc.:	WIDE RANGE CNMT PRESS CH 1
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIA
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-1LM-100A1 and TV-1LM100A2 (containment isolation valves) and containment. Ref: Op Manual Chapter 12. LOW ALARM = 9.0 PSIA in Modes 1 thru 4 HIGH ALARM = 14.7 PSIA in Modes 1 thru 4 No alarms in Modes 5 and 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA21
Point ID:	P1009A
Plant Spec Point Desc.:	WIDE RANGE CNMT PRESS CH 2
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIA
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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-1LM-100A1 and TV-1LM100A2 (containment isolation valves) and containment. Ref: Op Manual Chapter 12. LOW ALARM = 9.0 PSIA in Modes 1 thru 4 HIGH ALARM = 14.7 PSIA in Modes 1 thru 4 No alarms in Modes 5 and 6.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	COND-AE-RAD1
Point ID:	R0029A
Plant Spec Point Desc.:	CONDENSER AIR EJECTOR
Generic/Cond Desc.:	COND AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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. Ref: Op Manual Chapter 43, RM-422-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EFF-LIQ-RAD1
Point ID:	R0030A
Plant Spec Point Desc.:	LIQUID WASTE EFFLUENT
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-1LW-104 monitors the activity (Co-60 and Cs-137) of any radioactive liquid waste discharged from the station. A High-High activity automatically terminates flow by closing the discharge line isolation valves. A gamma scintillation detector monitors the activity of radioactive liquid waste discharged down stream of the last point of radioactive effluent addition to the discharge header. Ref. Op Manual Chapter 43, RM-417-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-BD-RAD-1A
Point ID:	R0034A
Plant Spec Point Desc.:	STEAM GENERATOR BLOWDOWN
Generic/Cond Desc.:	STM GEN A/B/C BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-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 scintillation detector monitors activity from samples taken at the discharge of the Blowdown Drain Heat Exchanger. Ref: Op Manual Chapter 43.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	RCS-LTD-RAD1
Point ID:	R0036A
Plant Spec Point Desc.:	RX COOLANT LETDOWN HI RANGE
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-1CH-101A monitors the gross activity of the reactor coolant (Co-60 and 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. Ref: Op Manual Chapter 43

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	RCS-LTD-RAD2
Point ID:	R0037A
Plant Spec Point Desc.:	RX COOLANT LETDOWN LO RANGE
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-1CH-101B monitors the gross activity of the reactor coolant (Co-60 and 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 down stream of the Non-Regenerative Heat Exchanger. Ref: Op Manual Chapter 43

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-RAD1
Point ID:	R0070A
Plant Spec Point Desc.:	CNMT HIGH RANGE RAD MONITOR CH 1
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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 monitors accident radiation levels inside Containment on the Crane Wall above the operating floor. Ref: Op Manual Chapter 43

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-RAD2
Point ID:	R0071A
Plant Spec Point Desc.:	CNMT HIGH RANGE RAD MONITOR CH 2
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-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 operating floor. Ref: Op Manual Chapter 43

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	BWST-LEVEL1
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 Conversioin:	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:	SAVG
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:	N
Level Reference Leg:	N/A
Unique System Desc.:	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). RWST level signal is the average of 3, 2 or a single value depending on the deviation between values. LT-1QS-100A, B and C sense level in the BWST at the 736' 6" elevation. Zero point reference: the bottom of BWST is at 735' 6" elevation and the suction line for Quench Spray pumps is at 736' 3" elevation.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CL-TEMP-1A
Point ID:	T0406A
Plant Spec Point Desc.:	RCLA WR TCOLD
Generic/Cond Desc.:	STM GEN A OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 computer. TRB-RC-410 is located between RC-P-1A discharge and the A Loop Stop Valve. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 190 DEGF (Mode 4); 0 DEGF (Modes 5 and 6) HIGH ALARM = 560 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	HL-TEMP-1A
Point ID:	T0419A
Plant Spec Point Desc.:	RCLA WR THOT
Generic/Cond Desc.:	STM GEN A INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Main Control Board, Remote Shutdown Panel, and the plant computer. TRB-RC-413 is located between A Loop Stop Valve and Coolant Inlet to SG A. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 200 DEGF (Mode 4); None (Modes 5 and 6) HIGH ALARM = 650 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CL-TEMP-2B
Point ID:	T0426A
Plant Spec Point Desc.:	RCLB WR TCOLD
Generic/Cond Desc.:	STM GEN B OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Cold Leg temperature signal is sent to the Main Control Board, Remote Shutdown Panel, and the plant computer. TRB-RC-420 is located between RC-P-1B discharge and the B Loop Stop Valve. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 190 DEGF (Mode 4); none (Modes 5 and 6) HIGH ALARM = 560 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	HL-TEMP-2B
Point ID:	T0439A
Plant Spec Point Desc.:	RCLB WR THOT
Generic/Cond Desc.:	STM GEN B INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Main Control Board, Remote Shutdown Panel, and the plant computer. TRB-RC-423 is located between B Loop Stop Valve and Coolant Inlet to SG B. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 200 DEGF (Mode 4); None (Modes 5 and 6) HIGH ALARM = 650 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CL-TEMP-3C
Point ID:	T0446A
Plant Spec Point Desc.:	RCLC WR TCOLD
Generic/Cond Desc.:	STM GEN C OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 computer. TRB-RC-430 is located between RC-P-1C discharge and the C Loop Stop Valve. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 190 DEGF (Mode 4); none (Modes 5 and 6) HIGH ALARM = 560 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	HL-TEMP-3C
Point ID:	T0459A
Plant Spec Point Desc.:	RCLC WR THOT
Generic/Cond Desc.:	STM GEN C INLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 Main Control Board, Remote Shutdown Panel, and the plant computer. TRB-RC-433 is located between C Loop Stop Valve and Coolant Inlet to SG C. Ref: Op Manual Chapter 6; RM-406-1 LOW ALARM = 541 DEGF (Modes 1 and 2); 350 DEGF (Mode 3); 200 DEGF (Mode 4); None (Modes 5 and 6) HIGH ALARM = 650 DEGF (Modes 1 and 2); 550 DEGF (Mode 3); 350 DEGF (Mode 4); 200 DEGF (Mode 5); 140 DEGF (Mode 6) Also alarms on redundant tolerance

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	TMP-CORE-EX1
Point ID:	U0093
Plant Spec Point Desc.:	IN CORE T/C 5 HOTTEST AVG
Generic/Cond Desc.:	HIGHEST TEMPERATURE AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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:	U0091 PA09 OUTPUT
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 2300 ; LO ALM @ 32 [ALL MODES]
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 "IPC" computer produces U0093 as part of its PA09 calculation of U0091. The PA09 calculation computes the average temperature, maximum temperature, the relative index of the highest temperature thermocouple and the average of the 5 highest Incore Thermocouples.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SUB-MARGIN1
Point ID:	U0094
Plant Spec Point Desc.:	SUBCOOL (AVG 5 HI T/C) ICCM AVG
Generic/Cond Desc.:	SATURATION TEMP - HIGHEST CET
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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:	FROM TRAIN A & TRAIN B ICCM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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 average of Train A and Train B ICCM subcooling (AVG 5 HI T/C) points. The ICCM computes subcooling based on the average of the 5 hottest Incore T/Cs and sends these calculated values to the “IPC” as 1 to 5 volt outputs from the ICCM Demultiplexer. The two “IPC” points are then averaged together to produce U0094. LOW ALARM = -35 DEGF (Modes 1 thru 4) HIGH ALARM = 200 DEGF (Modes 1 thru 4) No alarms in Modes 5 and 6

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CORE-FLOW1
Point ID:	U0400
Plant Spec Point Desc.:	RCLA UNCORRECTED FLOW 1/2/3 AVG
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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.:	U0400 is the average of three, two or a single flow value depending on the deviation between flow signals. RC-P-1A, B and C each have a design flow rate of 88,500 GPM at 549F and 2235 PSIG. FT-1RC-414, 415 and 416 sense flow at the Reactor Coolant Pipe Elbow between SG A Outlet and Reactor Coolant Pump RC-P-1A. Ref: Op Manual Chapter 6; RM-406-1; RM-406-3.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-PRESS-1A
Point ID:	U0414
Plant Spec Point Desc.:	SG A STM OUT PRESS 1/2/3 AVG
Generic/Cond Desc.:	STEAM GENERATOR A PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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-474, 475 and 476 sense Main Steam Line pressure between the Main Steam Trip Valves and SG A. Ref: Op Manual Chapter 21; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CORE-FLOW2
Point ID:	U0420
Plant Spec Point Desc.:	RCLB UNCORRECTED FLOW 1/2/3 AVG
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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.:	U0420 is the average of three, two or a single flow value depending on the deviation between flow signals. RC-P-1A, B and C each have a design flow rate of 88,500 GPM at 549F and 2235 PSIG. FT-1RC-424, 425 and 426 sense flow at the Reactor Coolant Pipe Elbow between SG B Outlet and Reactor Coolant Pump RC-P-1B. Ref: Op Manual Chapter 6; RM-406-1; RM-406-3.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-PRESS-2B
Point ID:	U0434
Plant Spec Point Desc.:	SG B STM OUT PRESS 1/2/3 AVG
Generic/Cond Desc.:	STEAM GENERATOR B PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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 and 486 sense Main Steam Line pressure between the Main Steam Trip Valves and SG B. Ref: Op Manual Chapter 21; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CORE-FLOW3
Point ID:	U0440
Plant Spec Point Desc.:	RCLC UNCORRECTED FLOW 1/2/3 AVG
Generic/Cond Desc.:	TOTAL REACTOR COOLANT FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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.:	U0440 is the average of three, two or a single flow value depending on the deviation between flow signals. RC-P-1A, B and C each have a design flow rate of 88,500 GPM at 549F and 2235 PSIG. FT-1RC-434, 435 and 436 sense flow at the Reactor Coolant Pipe Elbow between SG C Outlet and Reactor Coolant Pump RC-P-1C. Ref: Op Manual Chapter 6; RM-406-1; RM-406-3.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	SG-PRESS-3C
Point ID:	U0454
Plant Spec Point Desc.:	SG C STM OUT PRESS 1/2/3 AVG
Generic/Cond Desc.:	STEAM GENERATOR C PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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 and 496 sense Main Steam Line pressure between the Main Steam Trip Valves and SG C. Ref: Op Manual Chapter 21; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA10
Point ID:	U0472
Plant Spec Point Desc.:	PRESSURIZER PRESS 1/2/3 AVG
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversioin:	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:	SAVG 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	U0472 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

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	PRZR-LEVEL
Point ID:	U0483
Plant Spec Point Desc.:	PRESSURIZER LEVEL 1/2/3 AVG
Generic/Cond Desc.:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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.:	U0483 can be the average of three, two or one level transmitter signal depending on the deviation between values. See attached curve of % level vs Pressurizer volume in Gallons. LT-1RC-459, 460 and 461 sense Pressurizer level from 748' 1/4" (lower transmitter tap) to 781' 2 5/8" (upper transmitter tap). Zero reference minimum water level is at 752' 1 1/4" or approximately 12%. Ref: Op Manual Chapter 6; 8700-415.6A; 8700-6.24-CI2821

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA20
Point ID:	U1000
Plant Spec Point Desc.:	CONTAINMENT PRESS 1/2/3 AVG
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIA
Engr Units Conversioin:	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:	SAVG ALGORITHM
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	NO ALARMS IN ANY MODE
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.:	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. Ref: Op Manual Chapter 12

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/22/1996
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	CTMNT-TEMP
Point ID:	U1008
Plant Spec Point Desc.:	AVG OF 5 TS CNMT AIR TEMPS
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
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.:	U1008 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-LM100-10 senses temperature at 850' in the NNE Containment Dome; 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.) LOW ALARM = 77 DEGF (Modes 1 thru 4); 32 DEGF (Modes 5 and 6) HIGH ALARM = 111 DEGF (Modes 1 thru 6)

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-SPEED1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments, as ground level speed.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-SPEED2
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor substituted if primary bad or missing. Sensors are same quality/calibration. Value is dose assessments as elevated wind speed.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-DIR1
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 Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-DIR2
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 Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB-CLASS1
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:	STABI
Engr Units Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is based on 15 minute average Delta-T for 35' and 150' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A to G.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB-CLASS2
Point ID:	XM087
Plant Spec Point Desc.:	STABILITY-ELEVATED
Generic/Cond Desc.:	AIR STABILITY AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	STABI
Engr Units Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is based on 15 minute average Delta-T for 35' and 500' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A thru G.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA11
Point ID:	XR001
Plant Spec Point Desc.:	1RM-MS-101
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	N/A
Minimum Instr Range:	0.01
Maximum Instr Range:	4E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	CALCULATED
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	<= 650
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RM-1MS-101 monitors the activity in one of the two exhaust lines of the turbine driven auxiliary feed pump. High activity alarms alert the operator to abnormal conditions. Monitor is a gamma scintillation detector. Ref: Op Manual Chapter 43; RM-421-1.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA12
Point ID:	XR002
Plant Spec Point Desc.:	1RM-MS-100A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	N/A
Minimum Instr Range:	0.01
Maximum Instr Range:	4E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	CALCULATED
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	<= 50
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RM-1MS-100A monitors the activity (Xe-133) in the discharge path of Main Steam Relief Loop A when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric Dump Valve on Main Steam Relief Loop A. Ref: Op Manual Chapter 43; RM-421-1.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA13
Point ID:	XR003
Plant Spec Point Desc.:	1RM-MS-100B
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	N/A
Minimum Instr Range:	0.01
Maximum Instr Range:	4E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	CALCULATED
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	<= 50
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RM-1MS-100B monitors the activity (Xe-133) in the discharge path of Main Steam Relief Loop B when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric Dump Valve on Main Steam Relief Loop B. Ref: Op Manual Chapter 43; RM-421-1.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA14
Point ID:	XR004
Plant Spec Point Desc.:	1RM-MS-100C
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	N/A
Minimum Instr Range:	0.01
Maximum Instr Range:	4E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	CALCULATED
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	<= 50
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RM-1MS-100C monitors the activity (Xe-133) in the discharge path of Main Steam Relief Loop C when the Atmospheric Dump Valve or Main Steam Safety Valves discharge to the environment. Detector located in discharge piping downstream of the lowest lift setpoint Main Steam Safety Valve and the Atmospheric Dump Valve on Main Steam Relief Loop C. Ref: Op Manual Chapter 43; RM-421-1.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	12/4/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD1
Point ID:	XR005
Plant Spec Point Desc.:	1RM-VS-109 CH5
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	Xe133=1.24E7 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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 879 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1VS-109 monitors for low range noble gases at the discharge of the Auxiliary Building shielded area exhaust fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). Provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	12/4/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD2
Point ID:	XR006
Plant Spec Point Desc.:	1RM-VS-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH <= 669 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 Channel 7 monitors for mid range noble gases at the discharge of the Auxiliary Building Shielded Area Exhaust Fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	12/4/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD3
Point ID:	XR007
Plant Spec Point Desc.:	1RM-VS-109 CH9
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. RM-1VS-109 Channel 9 monitors for high range noble gases at the discharge of the Auxiliary Building Shielded Area Exhaust Fans and at the discharge of the Containment Refueling and Purge Exhaust Fan (during refueling). This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD4
Point ID:	XR009
Plant Spec Point Desc.:	1RM-VS-110 CH5
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	Xe133=1.33E7 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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 2030 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1VS-110 Channel 5 monitors for low range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD5
Point ID:	XR010
Plant Spec Point Desc.:	1RM-VS-110 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	Xe133=3.01E2 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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH <= 798 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 8 hours. RM-1VS-110 Channel 7 monitors for mid range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD6
Point ID:	XR011
Plant Spec Point Desc.:	1RM-VS-110 CH9
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. RM-1VS-110 Channel 9 monitors for high range noble gases at the discharge of the Leak Collection Area Exhaust Fans before the Elevated Release Vent. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA15
Point ID:	XR013
Plant Spec Point Desc.:	1RM-GW-109 CH5
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.6E5 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1GW-109 Channel 5 monitors for low range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA16
Point ID:	XR014
Plant Spec Point Desc.:	1RM-GW-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. RM-1GW-109 Channel 7 monitors for mid range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV1
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA17
Point ID:	XR015
Plant Spec Point Desc.:	1RM-GW-109 CH9
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.83E5 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to a General Emergency if the release continues for eight hours. RM-1GW-109 Channel 9 monitors for High Range noble gases at the discharge of the Gaseous Waste Disposal Blowers. The monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA18
Point ID:	Y0705A
Plant Spec Point Desc.:	COMP COOLING/RECIRC SPRAY HX RW
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-1RW-100 samples for activity (Co-60 and Cs-137) at the discharge of the Reactor Plant Component Cooling Water Heat Exchangers. Following a CIB signal the HHSI Pump Oil Cooler and the Recirculation 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 / Recirculation Spray Heat Exchangers. Ref: Op Manual Chapter 43; RM-430-3

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EFF-LIQ-RAD2
Point ID:	Y0717A
Plant Spec Point Desc.:	LIQUID WASTE CONTAINMENT DN EFF
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUID
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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-1LW-116 continuously monitors the activity (Co-60 and Cs-137) of the effluent down stream 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 down stream of the Contaminated Drains Filter. Ref: Op Manual Chapter 43; RM-417-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	8/16/1999
Reactor Unit:	BV1
Data Feeder:	IPC
NRC ERDS Parameter:	EXTRA19
Point ID:	Y0735A
Plant Spec Point Desc.:	REACTOR CONTAINMENT L/R
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	0.1
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	SEE UNIT 1 RMS SETPOINT LOG
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 warns personnel of an increase in the radiation level. A geiger-mueller detector monitors radiation level inside the Containment Crane Wall opposite the personnel access. Ref: Op Manual Chapter 43

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE-FLOW1
Point ID:	F0400C
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT414 senses RCS Loop A flow and provides a signal to the computer, SSPS, and the Main Control Board. The Reactor Coolant Pump design flow rate is 95,230 GPM at 542F and 2250 PSIG. 100% flow in Loop A is approximately 3.5E7 LBM/HR. 2RCS*FT414 senses flow at the Reactor Coolant Pipe Elbow at SG A Outlet. Ref: 10080-TLD-006-045; RM-406-1; RM-406-3; 2BVT 1.6.1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE-FLOW2
Point ID:	F0421C
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT425 senses RCS Loop B flow and provides a signal to the computer, SSPS, and the Main Control Board. The Reactor Coolant Pump design flow rate is 95,230 GPM at 542F and 2250 PSIG. 100% flow in Loop B is approximately 3.5E7 LBM/HR. 2RCS*FT425 senses flow at the Reactor Coolant Pipe Elbow at SG B Outlet. Ref: 10080-TLD-006-062; RM-406-1; RM-406-3; 2BVT 1.6.1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CORE-FLOW3
Point ID:	F0442C
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2RCS*FT436 senses RCS Loop C flow and provides a signal to the computer, SSPS, and the Main Control Board. The Reactor Coolant Pump design flow rate is 95,230 GPM at 542F and 2250 PSIG. 100% flow in Loop C is approximately 3.5E7 LBM/HR. 2RCS*FT436 senses flow at the Reactor Coolant Pipe Elbow at SG C Outlet. Ref: 10080-TLD-006-079; RM-406-1; RM-406-3; 2BVT 1.6.1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/6/1997
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC-VES-LV3
Point ID:	L0071A
Plant Spec Point Desc.:	RVLIS-A FULL RANGE RCS*LIS1311
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 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 Reactor Vessel 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 Containment Wall to hydraulic isolators. RTDs are installed on capillary lines for Containment temperature compensation. PSMS receives transmitter output. Reading is invalid if RCPs are running. 2RCS*LT1311 senses Reactor Vessel level between the top of the Reactor Vessel Head elevation 746' 6" to Thimble Guide Tube #20 elevation 705' 9".

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/6/1997
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC-VES-LV1
Point ID:	L0072A
Plant Spec Point Desc.:	RVLIS-A DYNAMIC RANGE LIS1312
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Reactor Vessel Head at the Incore Instrumentation Tubes sense Reactor 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 Containment Wall to hydraulic isolators. RTDs are installed on capillary lines for containment temperature compensation. PSMS receives transmitter output. Reading is invalid unless RCPs are running. 2RCS*LT1312 senses DP across Reactor Vessel core and internals when any RCPs are running. Normal DP is 110-112%.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/6/1997
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC-VES-LV4
Point ID:	L0074A
Plant Spec Point Desc.:	RVLIS-B FULL RANGE RCS*LIS1321
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 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 Reactor Vessel 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 Containment Wall to hydraulic isolators. RTDs are installed on capillary lines for Containment temperature compensation. PSMS receives transmitter output. Reading is invalid if RCPs are running. 2RCS*LT1321 senses Reactor Vessel Head between the top of the Reactor Vessel Head elevation 746' 9" to Thimble Guide Tube #20 elevation 705' 9".

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/6/1997
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	REAC-VES-LV2
Point ID:	L0075A
Plant Spec Point Desc.:	RVLIS-B DYNAMIC RANGE LIS1322
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversioin:	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 Reactor Vessel Head and Incore Instrumentation Tubes sense Reactor 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 Containment Wall to hydraulic isolators. RTDs are installed on capillary lines for Containment temperature compensation. PSMS receives transmitter output. Reading is invalid unless RCPs are running. 2RCS*LT1322 senses DP across Reactor Vessel core and internals when any RCPs are running. normal DP is 110-112%.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	9/1/1994
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-SP-NR1
Point ID:	L0100A
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 Conversioin:	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 Location:	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 reference: tank bottom. Ref: Op Manual Chapter 9, 10080-TLD-009-032

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	9/1/1994
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-SP-NR2
Point ID:	L0102A
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 Conversioin:	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 Location:	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*LE222 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 reference tank bottom. Ref: Op Manual Chapter 9, 10080-TLD-009-045

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-LEVEL-1A
Point ID:	L0403A
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 Conversioin:	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 Location:	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*LT477 provides SG A Wide Range Level indication at the Main Control Board, Shutdown Panel, Alternate Shutdown Panel and at the Feedwater 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-Tubes is at 775' 9 1/16" with normal water level at 783' 2". Ref: Op. Manual Chapter 24A; RK-313R; TLD-24A-051

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-LEVEL-2B
Point ID:	L0423A
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 Conversioin:	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 Location:	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 Control Board, Shutdown Panel, Alternate Shutdown Panel and at the Feedwater Control Valves. 2FWS*LT487 senses level in SG B from 789' 11 1/16" (upper tap) to 741' 11 7/8" (lower tap). Zero Reference: Top of SG B U-Tubes is at 775' 8 7/8" with normal water level at 783' 1 3/4". Ref: Op. Manual Chapter 24A; RK-313V; TLD-24A-059

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-LEVEL-3C
Point ID:	L0443A
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 Conversioin:	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 Location:	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 Control Board, Shutdown Panel and at the Feedwater Control Valves. 2FWS*LT497 senses level in SG C from 790' 5 1/2" (upper tap) to 742' 1/8" (lower tap). Zero Reference: Top of SG C U-Tubes is at 775' 9 1/8" with normal water level at 783' 2". Ref: Op. Manual Chapter 24A; RK-313Z; TLD-24A-066

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	BWST-LEVEL1
Point ID:	L0500A
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 Conversioin:	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 Location:	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 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 reference 12" from bottom of BWST. Ref: MSP-2-13.11-I; 10080-TLD-13B-001; LSK-27-9D; LSK-29-6B; RK-325R

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	BWST-LEVEL2
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 Conversioin:	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 Location:	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 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*LT100B senses level 12" from the bottom of the tank and 14" below the top of the Quench Spray Pump suction line. Zero reference 12" from bottom of BWST. Ref: MSP-2-13.11-I; 10080-TLD-13B-002; LSK-27-9D; LSK-29-6B; RK-325Q

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1994
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-SP-WR1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 35 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.:	2RSS*LT151A measures Containment Sump level from the floor to a height of 709' 10 3/8". 2RSS-P21A thru 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 reference: Containment Floor (691' 1 3/8"). Ref: MSP-2-13.09, 10080-TLD-13A-003; RK-6M; Op. Manual Chapter 13

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1994
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-SP-WR2
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 35 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.:	2RSS*LT151B measures Containment Sump level from the floor to a height of 709' 10 3/8". 2RSS-P21A thru D suction lines are at the 692' 11" level in containment. At 695' 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 reference: Containment Floor (691' 1 3/8"). Ref: MSP-2-13.09, 10080-TLD-13A-003; RK-6M; Op. Manual Chapter 13

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS,SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversioin:	LOG Y = 6/5 (VOLTS)
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 Location:	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 1.0E6 Counts per Second. 2NMS*NE31 (see attached NIS detector location dwg) Ref: Op Manual Chapter 2; 10080-TLD-02-001

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA5
Point ID:	N0032A
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 Conversioin:	LOG Y = 6/5 (VOLTS)
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 Location:	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 1.0E6 Counts per Second. 2NMS*NE32 (see attached NIS detector location dwg) Ref: Op Manual Chapter 2; 10080-TLD-02-002

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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 Conversioin:	LOG Y = 8/5 (VOLTS) -11
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	2/4 PWRRNG >10%
NI 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 1.0E-11 to 1.0E-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 rises to about 10E-5 Amps Intermediate Range level (~ 1% full power). 2NMI*NE32 (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-003

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA4
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 Conversioin:	LOG Y = 8/5 (VOLTS) -11
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	2/4 PWRRNG >10%
NI 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 1.0E-11 to 1.0E-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 rises to about 10E-5 Amps Intermediate Range level (~ 1% full power). 2NMI*NE36 (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-004

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 102%/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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. 2NMP*NE41A and B (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-005

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 102%/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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. 2NMP*NE42A and B (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-006

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA2
Point ID:	N0051A
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 102%/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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. 2NMP*NE43A and B (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-007

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA3
Point ID:	N0052A
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 102%/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 calorimetric calculation to provide full rated power level. Power Range level is an average of the upper and lower detector flux levels. 2NMP*NE44A and B (see attached NIS detector location dwg). Ref: Op Manual Chapter 2; 10080-TLD-02-008

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	COND-AE-RAD1
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 Conversioin:	N/A
Minimum Instr Range:	1.08E-7
Maximum Instr Range:	1.08E-1
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	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. Ref: Op Manual Chapter 43, RM-419-2, TLD-43-056

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS-LTD-RAD2
Point ID:	R0002A
Plant Spec Point Desc.:	RX CLNT LTDN LO RNG 2CHS-RQ101A
Generic/Cond Desc.:	RAD LEVEL OF RCS LETDOWN LINE
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	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 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:	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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	RCS-LTD-RAD1
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:	uCI/CC
Engr Units Conversioin:	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 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:	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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	COND-AE-RAD2
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2GWS-RQ102 monitors the gaseous effluent from the Air Ejector Charcoal Bed for Xe-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. Ref: Op Manual Chapter 43; RM-443-17; TLD-43-062

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-BD-RAD-1A
Point ID:	R0079A
Plant Spec Point Desc.:	SG BLOWDOWN 2SSR-RQ100
Generic/Cond Desc.:	STM GEN A/B/C BLOWDOWN RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2SSR-RQI100 monitors the activity of the Steam Generator Blowdown for Cs-137. Samples are taken from a common header which acts as a manifold 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 sent to Digital Radiation Monitor System (DRMS) which transmits value and measurement condition once per minute to the ERFCS. A gamma scintillator monitors the activity of the Steam Generator Blowdown effluent in a common header from all three Steam Generators.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-RAD1
Point ID:	R0086A
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 Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E8
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	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. Ref: Op Mmanual Chapter 43; TLD-43-017

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CTMNT-RAD2
Point ID:	R0087A
Plant Spec Point Desc.:	IN-CNMT HI RNG AREA 2RMR*RQ207
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E8
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	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. Ref: Op Mmanual Chapter 43; TLD-43-018

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MAIN-SL-1A
Point ID:	R0088A
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 Conversioin:	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 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:	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. Ref: Op Manual Chapter 43; TLD-43-071; RM-421-2

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MAIN-SL-2B
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2MSS*RQ101B 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 B and the Main Steam Trip Valves upstream of the Safety Valve tie-in. Ref: Op Manual Chapter 43; TLD-43-075; RM-421-2

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MAIN-SL-3C
Point ID:	R0090A
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:	uCI/CC
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	2MSS*RQ101C 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 C and the Main Steam Trip Valves upstream of the Safety Valve tie-in. Ref: Op Manual Chapter 43; TLD-43-076; RM-421-2

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EFF-LIQ-RAD1
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 Conversioin:	N/A
Minimum Instr Range:	5.1E-8
Maximum Instr Range:	5.1E-2
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	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 the Liquid Waste Process System. Ref: Op Manual Chapter 43; TLD-43-048

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL-TEMP-1A
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 Conversioin:	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 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:	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 the A Loop Stop Valve. 10080-TLD-06-040; RM-75A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL-TEMP-1A
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Reactor Coolant Loop A Hot Leg temperature signal is sent to the Main Control Board, Remote Shutdown Panel, and the plant and PSMS computers. 2RCS*TE413 is located between A Loop Stop Valve and Coolant Inlet to SG A. 10080-TLD-06-044; RM-75A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL-TEMP-2B
Point ID:	T0426A
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 Conversioin:	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 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:	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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL-TEMP-2B
Point ID:	T0439A
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	Reactor Coolant Loop B Hot Leg temperature signal is sent to the Main Control Board, Remote Shutdown Panel, and the plant and PSMS computers. 2RCS*TE423 is located between B Loop Stop Valve and Coolant Inlet to SG B. 10080-TLD-06-060; RM-75A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	CL-TEMP-3C
Point ID:	T0446A
Plant Spec Point Desc.:	RCL C COLD LEG TEMP RCS*TE430
Generic/Cond Desc.:	STM GEN C OUTLET TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF; LO ALM @ 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:	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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HL-TEMP-3C
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 650 DEGF; LO ALM @ 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:	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 Main Control Board, Remote Shutdown Panel, and the plant and PSMS computers. 2RCS*TE433 is located between C Loop Stop Valve and Coolant Inlet to SG C. 10080-TLD-06-076; RM-75A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/18/1995
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 121.3 DEGF; LO ALM @ 80.7 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 Crane Wall. See attached drawing for detector locations in Containment. 2LMS*TE100-2 senses Containment temperature at 801' 6" elevation inside the Crane Wall. Ref:10080-TLD-12B-007; RK-14A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/18/1995
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA12
Point ID:	T1008A
Plant Spec Point Desc.:	RX CNMT TEMP LMS-TE100-8
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 106.3 DEGF; LO ALM @ 79.5 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*TE100-8 measures Containment temperature inside the Crane Wall. See attached drawing for detector locations in Containment. 2LMS*TE100-8 senses temperature in Containment at 743' elevation inside the Crane Wall. Ref:10080-TLD-12B-013; RK-14A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/18/1995
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA13
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 123.9 DEGF; LO ALM @ 83.4 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 Crane Wall. See attached drawing for detector locations in Containment. 2LMS*TE100-13 senses temperature in Containment at 802' elevation inside the Crane Wall. Ref:10080-TLD-12B-018; RK-14A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/18/1995
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA14
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 90.4 DEGF; LO ALM @ 71.5 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 Crane Wall. See attached drawing for detector locations in Containment. 2LMS*TE100-14 senses temperature in Containment at 701' 6" elevation outside the Crane Wall. Ref:10080-TLD-12B-019, RK-14A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	7/18/1995
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA15
Point ID:	T1015A
Plant Spec Point Desc.:	RX CNMT TEMP LMS-TE100-15
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 132.4 DEGF; LO ALM @ 80.0 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 Crane Wall. See attached drawing for detector locations in Containment. 2LMS*TE100-15 senses temperature in Containment at 777' 4" elevation outside the Crane Wall. Ref:10080-TLD-12B-020; RK-14A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN-FD-FL-1A
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the average of two flow signals sensed from the venturi 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. Total Design Head (TDH) each. 2FWS*FT476 and 2FWS*FT477 sense flow to SG A between the Main Feed Pump discharge and the Main Feed Regulating Valve. 10080-TLD-24A-052;10080-TLD-24A-050; RM-45A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN-FD-FL-2B
Point ID:	UF1002
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the average of two flow signals sensed from the venturi 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. Total Design Head (TDH) each. 2FWS*FT486 and 2FWS*FT487 sense flow to SG B between the Main Feed Pump discharge and the Main Feed Regulating Valve. 10080-TLD-24A-057;10080-TLD-24A-058; RM-45A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	MN-FD-FL-3C
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the average of two flow signals sensed from the venturi 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. Total Design Head (TDH) each. 2FWS*FT496 and 2FWS*FT497 sense flow to SG C between the Main Feed Pump discharge and the Main Feed Regulating Valve. 10080-TLD-24A-064;10080-TLD-24A-065; RM-45A

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	HPSI-FLOW1
Point ID:	UF1011
Plant Spec Point Desc.:	HI SI TOTAL FLOW
Generic/Cond Desc.:	HIGH PRESS SAFETY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is the total flow through the Train A and B High Pressure Safety Injection Lines. The Charging Pumps (2CHS*P21A, B and 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 Reactor 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

Date:	11/14/1992
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 Conversioin:	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 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:	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 and 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 and 130 sense Reactor Coolant Pump Seal Injection Flow and 2RCS*FT154A, 155A and 156A sense Reactor 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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	LPSI-FLOW1
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 Conversioin:	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 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:	N
Level Reference Leg:	N/A
Unique System Desc.:	This value is total flow through Train A and B Low Pressure Safety Injection Header or Safety Injection Flow from Recirculation Spray Pumps to Reactor Coolant Loops A, B and C. Pumps 2SIS*P21A and B have a design flow rate of 3000 GPM at 240 PSIG with a shutoff head of 350'. The Recirculation Pumps Pumps (2RSS*P21A, B, C and D) have a design flow rate of 3500 GPM at 280f and 266 FT. 2SIS*FT945 (Train A) and 2SIS*FT946 (Train B) sense flow at the discharge of the LHSI Pumps (2SIS*P21A and B) between the Recirculation Spray Pump connection to the injection header and the header connection to the Hot and Cold Legs for Reactor Coolant Loops A, B and C.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	AX-FD-FL-1A
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 Conversioin:	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 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:	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 Auxiliary 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 Gallon Primary Plant Demineralized Water Storage Tank. 2FWE*FT100A and 2FWE*FT100A1 sense flow between the Auxiliary Feedwater Throttle Valves and SG A. The Auxiliary Feedwater Line taps into the Main Feed Line between the Feedwater Isolation Valve and SG A.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	AX-FD-FL-2B
Point ID:	UF3001
Plant Spec Point Desc.:	AF FLO SG B
Generic/Cond Desc.:	STM GEN B AUXILLIARY FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversioin:	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 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:	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 Auxiliary 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 Gallon Primary Plant Demineralized Water Storage Tank. 2FWE*FT100B and 2FWE*FT100B1 sense flow between the Auxiliary Feedwater Throttle Valves and SG B. The Auxiliary Feedwater Line taps into the Main Feed Line between the Feedwater Isolation Valve and SG B.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	AX-FD-FL-3C
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 Conversioin:	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 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:	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 Auxiliary 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 Gallon Primary Plant Demineralized Water Storage Tank. 2FWE*FT100C and 2FWE*FT100C1 sense flow between the Auxiliary Feedwater Throttle Valves and SG C. The Auxiliary Feedwater Line taps into the Main Feed Line between the Feedwater Isolation Valve and SG C.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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 Conversioin:	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 Location:	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 vs Pressurizer volume in Gallons. 2RCS*LT459, 460 and 461 sense Pressurizer level from 748' 3 3/4" (lower transmitter tap) to 780' 10 9/16" (upper transmitter tap). Zero reference: minimum water level (top of Heaters) is at 752' 1 5/8" or approximately 12%. Ref: Op Manual Chapter 6; 2004.150-001-010; RK-326R; RK-326S; RK-326T

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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 Conversioin:	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 ALGORIGHM (RSA)
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 59.7 PSIA
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 two Containment pressure signals. The design pressure of the BV2 Reactor Containment is 8 PSIG to 45 PSIG. 2LMS*PT106A and 2LMS*PT106B sense Containment pressure from an open tap in Containment. Ref:10080-TLD-12B-034; 10080-TLD-12B-035; RK-321H; RK-321K

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM = UP1011; LO ALM = UP1012
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 three Wide Range RCS pressure signals. 2RCS*PT440 and 442 senses pressure at Loop A Hot Leg RVLIS tap located between Loop A Hot Leg Isolation Valve and the Reactor Vessel. 2RCS*PT441 senses pressure at Loop B Hot Leg RVLIS tap located between the Loop B Hot Leg Isolation Valve and the Reactor Vessel. 10080-TLD-06-004; 10080-TLD-06-005; 10080-TLD-05D-008; RK-25G; RK-25E UP1011 = RCS Wide Pressure Hi Limit; UP1012 = Saturation Pressure

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-PRESS-1A
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 Conversioin:	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 Location:	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 and 2MSS*PT476 sense pressure at SG A Main Steam Line between the Safety Relief Valves and the Main Steam Line Isolation Valves. 10080-TLD-21A-010; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-PRESS-2B
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 Conversioin:	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 Location:	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 and 2MSS*PT486 sense pressure at SG B Main Steam Line between the Safety Relief Valves and the Main Steam Line Isolation Valves. 10080-TLD-21A-011; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SG-PRESS-3C
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 Conversioin:	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 Location:	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 and 2MSS*PT496 sense pressure at SG C Main Steam Line between the Safety Relief Valves and the Main Steam Line Isolation Valves. 10080-TLD-21A-020; RM-421-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	SUB-MARGIN1
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 Conversioin:	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:	0
How Processed:	ERFCS ALGORITHM "DIFF"
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:	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 Core Exit Thermocouple 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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	TMP-CORE-EX1
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:	DEGF
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM = UT1005; LO ALM = UT1007
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 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 dependent on plant condition. Alarm condition will be transmitted over ERDS line. UT1005= TSAT - Saturation Temperature UT1007= TCLOL - Core Exit Temperature Low Limit.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-SPEED1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments, as ground level speed.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-SPEED2
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor substituted if primary bad or missing. Sensors are same quality/calibration. Value is dose assessments as elevated wind speed.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-DIR1
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 Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	WIND-DIR2
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 Conversioin:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is the 15 minute average value for primary sensor. Redundant sensor value substituted if primary bad or missing. Sensors are same quality/calibration. Value used in dose assessments as ground level direction. Wind direction 0 is North. Wind direction is direction from which wind is coming.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB-CLASS1
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:	STABI
Engr Units Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is based on 15 minute average Delta-T for 35' and 150' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A to G.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	STAB-CLASS2
Point ID:	XM087
Plant Spec Point Desc.:	STABILITY-ELEVATED
Generic/Cond Desc.:	AIR STABILITY AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	STABI
Engr Units Conversioin:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	7
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	FAILOVER SUBSTITUTION
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is based on 15 minute average Delta-T for 35' and 500' temperature sensors. Based on redundant sensor if primary bad or missing. Sensors are same quality/calibration. Stability classes 1 thru 7 correspond to stability classes A thru G.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA15
Point ID:	XR013
Plant Spec Point Desc.:	1RM-GW-109 CH5
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 3.6E5 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to 10 CFR 20 Limits at most restrictive receptor per ODCM. RM-1GW-109 Channel 5 monitors for low range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA16
Point ID:	XR014
Plant Spec Point Desc.:	1RM-GW-109 CH7
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. RM-1GW-109 Channel 7 monitors for mid range noble gases at the discharge of the gaseous waste disposal blowers. This SPING monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA17
Point ID:	XR015
Plant Spec Point Desc.:	1RM-GW-109 CH9
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.83E5 CPM >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Point is 1 minute average. Site dose assessment varies CPM to uCI/CC conversion depending on which default source term was selected and decay period. Alarm setpoint corresponds to a General Emergency if the release continues for eight hours. RM-1GW-109 Channel 9 monitors for High Range noble gases at the discharge of the Gaseous Waste Disposal Blowers. The monitor provides alarms to warn the operator of abnormal releases and provides input to compute integrated release data. Ref: Op Manual Chapter 43; RM-419-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD1
Point ID:	XR041
Plant Spec Point Desc.:	2HVS-RQI101A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	N/A
Minimum Instr Range:	5.6E-11
Maximum Instr Range:	5.6E-5
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.67E-5 UCI/CC >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	1 minute average data. Site dose assessment assigns correction factors to the uCI/CC to correct for source term differences depending on selected default source term and decay period. 2HVS*RQI101A 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: Op Manual Chapter 43; TLD-43-068; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD2
Point ID:	XR042
Plant Spec Point Desc.:	2HVS-RQI101B
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	3.65E-8 UCI/CC/CPM
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.81E-4 UCI/CC >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	1 minute average data. Site dose assessment assigns correction factors to the uCI/CC to correct for source term differences depending on selected default source term and decay period. 2HVS*RQI101B monitors the airborne 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 Manual Chapter 43; TLD-43-068; RM-416-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD3
Point ID:	XR045
Plant Spec Point Desc.:	2HVS-RQI109A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 9.84E-6 UCI/CC >BACKGROUND
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	1 minute average data. Site dose assessment assigns correction factors to the uCI/CC to correct for source term differences depending on selected default source term and decay period. 2HVS*RQI109A monitors the airborne activity (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 Auxiliary and Fuel Buildings, after it has passed through Main Filter Banks in the SLCRS system before being discharged to atmosphere. Ref: Op Manual Chapter 43; TLD-43-068; RM-416-2

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	3/3/1993
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EFF-GAS-RAD4
Point ID:	XR046
Plant Spec Point Desc.:	2HVS-RQI109
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	UCI/SEC
Engr Units Conversioin:	1.94E-8 UCI/CC/CPM
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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HIGH 1.77E3 UCI/SEC
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-ON Power Level:	N/A
Instrument Failure Mode:	DEPENDS ON FAILURE MODE
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	1 minute average data. Site dose assessment assigns correction factors to the uCI/CC to correct for source term differences depending on selected default source term and decay period. This is a multi-range monitor. Lowest onscale channel report. 2HVS*RQI109B, C and D monitors the gaseous activity (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 Auxiliary and Fuel Buildings, 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

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA9
Point ID:	XR053
Plant Spec Point Desc.:	2MSS-RQI101A
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	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 atmospheric pressure.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA10
Point ID:	XR054
Plant Spec Point Desc.:	2MSS-RQI101B
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	UCI/CC
Engr Units Conversioin:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	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 atmospheric pressure.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/14/1992
Reactor Unit:	BV2
Data Feeder:	ARERAS
NRC ERDS Parameter:	EXTRA11
Point ID:	XR055
Plant Spec Point Desc.:	2MSS-RQI101C
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversioin:	N/A
Minimum Instr Range:	2.5E-3
Maximum Instr Range:	2.5E3
Zero Point Reference:	0
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	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 atmospheric pressure.

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/30/1998
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	H2-CONC1
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 0.5 %
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 (2HCS*HA100A) with the results transmitted to 2HCS*PNL100A where % hydrogen is calculated. 2HCS*HA100A senses hydrogen at the 801' level in Containment. 10080-TLD-46-001; RK-317C; RM-446-1

BEAVER VALLEY POWER STATION
ERDS DATA POINT LIBRARY

Date:	11/30/1998
Reactor Unit:	BV2
Data Feeder:	ERFCS
NRC ERDS Parameter:	EXTRA16
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 Conversioin:	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 Location:	SEE UNIQUE SYSTEM DESCRIPTION FIELD
Alarm/Trip Set Points:	HI ALM @ 0.5 %
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 (2HCS*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, Units No. 1 and No. 2
Emergency Response Data System (ERDS)
L-04-039

ATTACHMENT 2
TABULATION OF CHANGES
TO
DATA POINT LIBRARY

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
C0201A	1	Unique System Desc.		added at end: Alarms valid in Modes 1 through 4
C0202A	1	Unique System Desc.		added at end: Alarms valid in Modes 1 through 4
F0128A	1	Alarm/Trip Set Points	Hi Alm @ 150 GPM/Lo Alm @ -5 GPM	see unique system description
		Unique System Desc.		added at end: Hi Alm = 120 GPM in Modes 1 thru 6 Lo Alm = 20 GPM in Modes 1 and 2 Lo Alm = 0 GPM in Modes 3 thru 6
F0403A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.
F0404A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.
F0423A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4.2 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
F0424A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4.2 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.
F0443A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4.2 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.
F0444A	1	Engr Units/Dig States	KLB/HR	MLB/HR
		Maximum Instr Range	4612	4.612
		Alarm/Trip Set Points	Hi Alm @ 4400 KLB/HR/Lo Alm @ -2 KLB/HR	see unique system description
		Unique System Desc.		added at end: Hi Alm = 4.2 MLB/HR in Modes 1 and 2 Lo Alm = 0 MLB/HR in Modes 1 and 2 No Alarms in Modes 3 thru 6. Point also alarms on Redundant Tolerance in Modes 1 and 2.
L0403A	1	Alarm/Trip Set Points	Hi Alm @ 70%/Lo Alm @ 43%	see unique system description
		Unique System Desc.		added at end: Hi Alm = 60% in Modes 1 thru 4 Hi Alm = 85% in Modes 5 and 6 Lo Alm =43% in Modes 1 thru 6
L0423A	1	Alarm/Trip Set Points	Hi Alm @ 70%/Lo Alm @ 43%	see unique system description
		Unique System Desc.		added at end: Hi Alm = 70% in Modes 1 thru 4 Hi Alm = 85% in Modes 5 and 6 Lo Alm =43% in Modes 1 thru 6

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
L0443A	1	Alarm/Trip Set Points	Hi Alm @ 70%/Lo Alm @ 43%	see unique system description
		Unique System Desc.		added at end: Hi Alm = 60% in Modes 1 thru 4 Hi Alm = 85% in Modes 5 and 6 Lo Alm =43% in Modes 1 thru 6
L0750A	1	Alarm/Trip Set Points	Hi Alm @ 2.5 IN	see unique system description
		Unique System Desc.		added at end: Hi Alm = 2.5 IN in Modes 1 thru 5 No Lo Alm in Modes 1 thru 6 No Hi Alm in Modes 6
L0751A	1	Alarm/Trip Set Points	Hi Alm @ 2.5 IN	see unique system description
		Unique System Desc.		added at end: Hi Alm = 2.5 IN in Modes 1 thru 5 No Lo Alm in Modes 1 thru 6 No Hi Alm in Modes 6
L0752A	1	Alarm/Trip Set Points	Hi Alm @ 8.5 IN/Lo Alm @ 3.0 IN	Hi Alm @ 10.0 IN / Lo Alm @ 3.5 IN all Modes
L3204A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: Hi Alm = 120% in Modes 3 thru 5 Lo Alm = 39% in Mode 3 Lo Alm =95% in Modes 4 and 5 No Alarms in Modes 1, 2 and 6.
L3206A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: Hi Alm = 115% in Modes 1 thru 5 Lo Alm = 95% in Modes 1 thru 5 No Alarms in Mode 6.
L3210A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: Hi Alm = 120% in Modes 3 thru 5 Lo Alm = 39% in Mode 3 Lo Alm =95% in Modes 4 and 5 No Alarms in Modes 1, 2 and 6.

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
L3212A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: Hi Alm = 115% in Modes 1 thru 5 Lo Alm = 95% in Modes 1 thru 5 No Alarms in Mode 6.
N0031A	1	Engr Units Conversion	LOG Y = 6/5 (VOLTS) -1	LOG Y = 6/5 * VOLTS
		Maximum Instr Range	1.00E+05	1.00E+06
		Alarm/Trip Set Points	Hi Alm @ 90,000 CPS / Lo Alm @ 0 CPS	see unique system description
		Unique System Desc.		added at end: Hi Alm = 9.0E+04 in Modes 1 thru 4 Hi Alm = 500 in Modes 5 and 6 No Low Alarms in any Mode.
N0032A	1	Engr Units Conversion	LOG Y = 6/5 (VOLTS) -1	LOG Y = 6/5 * VOLTS
		Maximum Instr Range	1.00E+05	1.00E+06
		Alarm/Trip Set Points	Hi Alm @ 90,000 CPS / Lo Alm @ 0 CPS	see unique system description
		Unique System Desc.		added at end: Hi Alm = 9.0E+04 in Modes 1 thru 4 Hi Alm = 500 in Modes 5 and 6 No Low Alarms in any Mode.
N0035A	1	Engr Units Conversion	LOG Y = 8/5 (VOLTS) -5	LOG Y = 8/5 * VOLTS -11
		Minimum Instr Range	1.00E-10	1.00E-11
		Maximum Instr Range	1.00E-02	1.00E-03
		Unique System Desc.		added at end: Modes 1- 6 low alarm = 1.0E-11
N0036A	1	Engr Units Conversion	LOG Y = 8/5 (VOLTS) -5	LOG Y = 8/5 * VOLTS -11
		Minimum Instr Range	1.00E-10	1.00E-11
		Maximum Instr Range	1.00E-02	1.00E-03
		Unique System Desc.		added at end: Modes 1- 6 low alarm = 1.0E-11

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
N0049A	1	Alarm/Trip Set Points	Low Power @ -3 % / Hi Alm @ 105%	see unique system description
		Unique System Desc.		added at end: Low Alarms = 0% in Modes 1 & 2, none in Modes 3 thru 6. High Alarm = 102% in Mode 1, 20% in Mode 2, 109% in Mode 3 thru 6. Also alarms on redundant tolerance.
N0050A	1	Alarm/Trip Set Points	Low Power @ -3 % / Hi Alm @ 105%	see unique system description
		Unique System Desc.		added at end: Low Alarms = 0% in Modes 1 & 2, none in Modes 3 thru 6. High Alarm = 102% in Mode 1, 20% in Mode 2, 109% in Mode 3 thru 6. Also alarms on redundant tolerance.
N0051A	1	Alarm/Trip Set Points	Low Power @ -3 % / Hi Alm @ 105%	see unique system description
		Unique System Desc.		added at end: Low Alarms = 0% in Modes 1 & 2, none in Modes 3 thru 6. High Alarm = 102% in Mode 1, 20% in Mode 2, 109% in Mode 3 thru 6. Also alarms on redundant tolerance.
N0052A	1	Alarm/Trip Set Points	Low Power @ -3 % / Hi Alm @ 105%	see unique system description
		Unique System Desc.		added at end: Low Alarms = 0% in Modes 1 & 2, none in Modes 3 thru 6. High Alarm = 102% in Mode 1, 20% in Mode 2, 109% in Mode 3 thru 6. Also alarms on redundant tolerance.
P0498A	1	Alarm/Trip Set Points	HI ALM @ 2275 PSIG/LO ALM @ 0 PSIG	see unique system description
		Unique System Desc.		added at end: Hi Alm = 2300 in Modes 1 thru 3, 375 in Modes 4 & 5, 300 in Mode 6. Lo Alm = 2150 in Modes 1 & 2, 300 in Mode 3, 0 in Modes 4 thru 6.

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
P0499A	1	Alarm/Trip Set Points	HI ALM @ 2275 PSIG/LO ALM @ 0 PSIG	see unique system description
		Unique System Desc.		added at end: Hi Alm = 2300 in Modes 1 thru 3, 375 in Modes 4 & 5, 300 in Mode 6. Lo Alm = 2150 in Modes 1 & 2, 300 in Mode 3, 0 in Modes 4 thru 6.
		Plant Spec Point Desc	RCS LOOP 3 WIDE RANGE PRESSURE	RCS WR PRESSURE
P1008A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: HiGH Alm = 14.7 PSIA in Modes 1 thru 4 LOW Alm = 9.0 PSIA in Modes 1 thru 4 No Alarms in Modes 5 and 6.
P1009A	1	Alarm/Trip Set Points	N/A	see unique system description
		Unique System Desc.		added at end: HiGH Alm = 14.7 PSIA in Modes 1 thru 4 LOW Alm = 9.0 PSIA in Modes 1 thru 4 No Alarms in Modes 5 and 6.
R0070A	1	Plant Spec Point Desc	CNMT HIGH RANGE RAD CH 1	CNMT HIGH RANGE RAD MONITOR CH 1
R0071A	1	Plant Spec Point Desc	CNMT HIGH RANGE RAD CH 2	CNMT HIGH RANGE RAD MONITOR CH 2
RWSTLEV	1	How Processed	Believed Value Point	SAVG
T0406A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 190 in Mode 4, 0 in Modes 5 & 6. High Alarms = 560 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
T0419A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 200 in Mode 4, none in Modes 5 & 6. High Alarms = 650 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.
T0426A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 190 in Mode 4, none in Modes 5 & 6. High Alarms = 560 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.
T0439A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 200 in Mode 4, none in Modes 5 & 6. High Alarms = 650 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.
T0446A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 190 in Mode 4, none in Modes 5 & 6. High Alarms = 560 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
T0459A	1	Alarm/Trip Set Points	HI ALM @ 650 DEGF/LO ALM @ 32 DEGF	see unique system description
		Unique System Desc.		added at end: Low Alarms = 541 in Modes 1 & 2, 350 in Mode 3, 200 in Mode 4, none in Modes 5 & 6. High Alarms = 650 in Modes 1 & 2, 550 in Mode 3, 350 in Mode 4, 200 in Mode 5, 140 in Mode 6. Also alarms on redundant tolerance.
U0093	1	How Processed	MARCAT	U0091 PA09 OUTPUT
		Alarm/Trip Set Points	Hi Alm @ 700 DegF	Hi Alm @ 2300 / Lo Alm @ 32 in all Modes
		Unique System Desc.	complete re-write	The IPC computer produces U0093 as part of its PA09 calculation of U0091. The PA09 calc. computes the average temperature, maximum temperature, and relative index of the highest temperature thermocouple, and the average of the 5 highest Incore thermocouples.
U0094	1	How Processed	MARCAT	from Train A & B ICCM
		Alarm/Trip Set Points	N/A	see Unique Sys Description
		Unique System Desc.	complete re-write	This point is the AVG of the Train A & Train B ICCM SUBCOOLING (AVG 5 HI T/C) points. The ICCM units compute Subcooling based on AVG of the 5 hottest Incore T/C's and sends these calculated values to the IPC as 1 to 5 volt outputs from the ICCM Demultiplexer. The two IPC points are then averaged together to produce U0094. High Alarm = 200 DegF in modes 1 thru 4 Low Alarm = -35 DegF in modes 1 thru 4 No Alarms in Modes 5 and 6.
		Plant Spec Point Desc	Subcool (AVG 5 Hi T/C)	Subcool (AVG 5 Hi T/C) ICCM AVG
U0400	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 120% / Lo Alm @ 92%	No Alarms in any Modes
		Unique System Desc.	ARCSFLOW is the ….	U0400 is the ….
U0414	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 1400 PSIG / Lo Alm @ 600 PSIG	No Alarms in any Modes

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
U0420	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 120% / Lo Alm @ 92%	No Alarms in any Modes
		Unique System Desc.	BRCSFLOW is the ….	U0420 is the ….
U0434	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 1400 PSIG / Lo Alm @ 600 PSIG	No Alarms in any Modes
U0440	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 120% / Lo Alm @ 92%	No Alarms in any Modes
		Unique System Desc.	CRCSFLOW is the ….	U0440 is the ….
U0454	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 1400 PSIG / Lo Alm @ 600 PSIG	No Alarms in any Modes
U0472	1	How Processed	Believed Value Algorithm	SAVG
		Unique System Desc.	PZRPRESS is composed ….	U0472 is composed ….
U0483	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 60% / Lo Alm @ 12%	No Alarms in any Modes
		Unique System Desc.	PZRLEVEL can be ….	U0483 can be ….
U1000	1	How Processed	Believed Value Algorithm	SAVG
		Alarm/Trip Set Points	Hi Alm @ 14.7 PSIA / Lo Alm @ 9.0 PSIA	No Alarms in any Modes
U1008	1	Plant Spec Point Desc	Avg of 5 TS Temps	Avg of 5 TS CNMT Air Temps
		Alarm/Trip Set Points	Hi Alm @ 103 DegF / Lo Alm @ 32 DegF	see unique system description
		Unique System Desc.		added at end: …. High Alarm = 111 DegF in modes 1 thru 6 Low Alarm = 77 DegF in modes 1 thru 4, 32 DegF in modes 5 and 6
N0031A	2	Engr Units Conversion	LOG Y = 6/5 (VOLTS) -1	LOG Y = 6/5 (VOLTS)
		Unique System Desc.	… from 1 to 10E6 counts …	… from 1 to 1.0E6 counts …
N0032A	2	Engr Units Conversion	LOG Y = 6/5 (VOLTS) -1	LOG Y = 6/5 (VOLTS)
		Unique System Desc.	… from 1 to 10E6 counts …	… from 1 to 1.0E6 counts …
N0035A	2	Engr Units Conversion	LOG Y = 8/5 (VOLTS) -5	LOG Y = 8/5 (VOLTS) -11
N0036A	2	Engr Units Conversion	LOG Y = 8/5 (VOLTS) -5	LOG Y = 8/5 (VOLTS) -11
N0049A	2	Alarm/Trip Set Points	Hi Alm @ 101%/Lo Alm @ -1%	Hi Alm @ 102%/Lo Alm @ -1%
N0050A	2	Alarm/Trip Set Points	Hi Alm @ 101%/Lo Alm @ -1%	Hi Alm @ 102%/Lo Alm @ -1%
N0051A	2	Alarm/Trip Set Points	Hi Alm @ 101%/Lo Alm @ -1%	Hi Alm @ 102%/Lo Alm @ -1%
N0052A	2	Alarm/Trip Set Points	Hi Alm @ 101%/Lo Alm @ -1%	Hi Alm @ 102%/Lo Alm @ -1%
T0446A	2	Alarm/Trip Set Points	Hi Alm @ 650 DegF	Hi Alm @ 650 DegF/Lo Alm @ 0 DegF
T0459A	2	Alarm/Trip Set Points	Hi Alm @ 650 DegF	Hi Alm @ 650 DegF/Lo Alm @ 0 DegF

CHANGES TO DATA POINT LIBRARY

Point	*BVPS Unit*	*Field*	*Changed From*	*Changed To*
UP1001	2	Alarm/Trip Set Points	N/A	Hi Alm = UP1011 / Lo Alm = UP1012
		Unique System Desc.		added at end: UP1011= RCS WID PRESS HI LIMIT UP1012= SATURATION PRESS
UT1003	2	Alarm/Trip Set Points	N/A	Hi Alm = UT1005 / Lo Alm = UT1007
		Unique System Desc.		added at end: UT1005= TSAT - SATURATION TEMP UT1007= TCLOL- CORE EXIT TEMP LO LIMIT
XR001	1	Engr Units/Dig States	uCi/cc	cpm
		Alarm/Trip Set Points	"N/A"	≤650 cpm
XR002	1	Engr Units/Dig States	uCi/cc	cpm
		Alarm/Trip Set Points	"N/A"	≤50 cpm
XR003	1	Engr Units/Dig States	uCi/cc	cpm
		Alarm/Trip Set Points	"N/A"	≤50 cpm
XR004	1	Engr Units/Dig States	uCi/cc	cpm
		Alarm/Trip Set Points	"N/A"	≤50 cpm
XR005	1	Alarm/Trip Set Points	4.40E+2 cpm	879 cpm
XR006	1	Alarm/Trip Set Points	2.75E+2 cpm	≤669 cpm
XR009	1	Alarm/Trip Set Points	1.01E+3 cpm	2030 cpm
XR010	1	Alarm/Trip Set Points	3.51E+2 cpm	≤798 cpm
XR013	1	Alarm/Trip Set Points	6.60E+6 cpm	3.60E+5 cpm
XR015	1	Alarm/Trip Set Points	1.80E+4 cpm	1.83E+5 cpm
XR041	2	Alarm/Trip Set Points	1.4E-8 uCi/cc	1.67E-5 uCi/cc
XR042	2	Engr Units Conversion	"N/A"	3.65E-8 uCi/cc/cpm
		Alarm/Trip Set Points	9.04E-5 uCi/cc	1.81E-4 uCi/cc
XR045	2	Alarm/Trip Set Points	3.4E-9 uCi/cc	9.84E-6 uCi/cc
XR046	2	Engr Units/Dig States	uCi/cc	uCi/sec
		Engr Units Conversion	"N/A"	1.94E-8 uCi/cc/cpm
		Alarm/Trip Set Points	3.26E-5 uCi/cc	1.77E+3 uCi/sec