Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402

DEC 02 1991

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of	)	Docket Nos. 50-259 50-327
Tennessee Valley Authority	)	50-260 50-328
	)	50-296

EMERGENCY RESPONSE DATA SYSTEM (ERDS) - DATA POINT LIBRARY AND PLANT ATTRIBUTE LIST

Enclosed is TVA's Data Point Library and Plant Attribute List for Sequoyah and Browns Ferry Nuclear Plants as stated in TVA's October 28, 1991, submittal concerning the ERDS implementation schedule. Because of Sequoyah's current refueling outage, the data sheets for some of the data points are not complete. These data sheets will be completed and forwarded to NRC by March 31, 1992.

If you have questions, please telephone S. W. Spencer at (615) 751-4778.

Sincerely,

E. G. Wallace

E. G. Wallace
Manager
Nuclear Licensing and Regulatory Affairs

Enclosure
cc: See page 2

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U.S. Nuclear Regulatory Commission

DEC 02 1991

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY
PRELIMINARY RESPONSE TO APPENDIX B - NUREG 1394

III. Selection of Data Feeders

A. How many data feeders are there?

One.

B. Identify the selected data feeders and provide for each:

The Central Emergency Control Center (CECC) computer system is the selected data feeder to implement ERDS for Sequoyah unit 1, Sequoyah unit 2 and Browns Ferry Unit 2.

1. Description of the categories of data points it will provide

All the required data that is available on the plant SPDS computers and the requested meteorological data.

2. The rationale for selecting it.

The data feeder selected is the Central Emergency Control Center (CECC) computer system. This system was selected for the following reasons:

- The CECC computer system has access to all the data on the SPDS computer system for each operating unit as well as the meteorological data for each site.

- Less software needs to be written and maintained since only one system will require an initiation and data transfer program. Data transfer from the SPDS computers to the CECC is already available.

- Less expensive and shorter lead time to implement since no Design Change Request needs to be written to install the link to the NRC.

- Requires only one place for activating the ERDS interface. This will reduce the number of people that require training in the activation process.

- The CECC also has high speed links to the Sequoyah and Watts Bar simulators and will be networked with the CECC. During REP drills data can be received from these systems in place of the live data. This would allow the NRC to receive simulated data during an REP exercise without installing additional links.

- As additional units such as BF3 or WB2 near fuel load or restart, no additional ERDS links will be required.

C. Which data feeder is the site time determining feeder?

The CECC computer system controls the time that is displayed in the CECC and will drive time displays in the site Technical Support Centers. Data received from the plant SPDS computers is not time tagged. The CECC computer system will time tag the ERDS data prior to transmissions.

TENNESSEE VALLEY AUTHORITY
PRELIMINARY RESPONSE TO APPENDIX B - NUREG 1394

IV. Data Feeder Information

1. Identification of Feeder

a. Name in local parlance and Acronym.

Central Emergency Control Center (CECC)

b. Is this the site time determining feeder?

Yes.

c. How often will this feeder transmit an update to ERDS.

Every 15 seconds.

2. Hardware/Software Environment

a. Identify the manufacturer and model number.

Digital Equipment Corporation Vax 4000, Model 200

b. Operating System

VMS

c. What method of timekeeping (Daylight, standard, greenwich?)

Daylight/Standard

d. In what time zone is it located.

The CECC computer uses Central time for Browns Ferry and Eastern time for Sequoyah and Watts Bar.

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3. Data Communications Details

a. Can it provide Asynchronous serial data (RS-232-C) with full modem control?

Yes.

b. Ascii or Ebcdic?

ASCII.

c. Can it transmit at 2400 bps?

Yes.

d. Does operating system support Xon/Xoff?

Yes.

e. If not why not.

f. Do any ports currently exist for ERDS linkup?

Yes.

4. Data Feeder Physical Environment and Management

a. Where located in terms of TSC, EOF, control room?

The CECC computer system resides at the EOF in Chattanooga.

b. Is it protected for loss of electricity?

Yes, the CECC is provided with diesel power should the electricity fail. The new computer systems will be on a uninterruptable power source as well.

c. Is there a human operator for the data feeder?

Yes.

1. How many hours attended?

The Operations Duty Specialist monitors system availability on a 24 per day basis and is available to activate the ERDS.

BROWNS FERRY UNIT 2 - ERDS DATA POINT LIBRARY

1.	NI POWER RNG	SPDS0001	RX POWER APRM - COMPOSED
2.	NI INTER RNG	CALC045	AVERAGE OF 8 IRM'S
3.	NI SOURC RNG	SPDS0041	RX POWER SRM - AVG
4.	REAC VES LEV	SPDS0007	RX WATER LEVEL - COMPOSED
5.	MAIN FD FLOW	CALC040	RFW FLOW TO REACTOR
6.	RCIC FLOW	71-36	RCIC PUMP DISCHARGE FLOW
7.	RCS PRESSURE	SPDS0008	RX PRESSURE - COMPOSED
8.	HPCI FLOW	73-33	HPCI Pump Discharge Flow
9.	LPCI FLOW	74-50	RHR SYS I FLOW
10.	LPCI FLOW	74-64	RHR SYS II FLOW
11.	CR SPRAY FL	75-21	CORE SPRAY SYS I FLOW
12.	CR SPRAY FL	75-49	CORE SPRAY SYS II FLOW
13.	EFF GAS RAD	90-306U0	WIDE RANGE GASEOUS EFFL RAD MON
14.	CND A/E RAD	90-157	OFFGAS PRE TREATMENT RADIATION
15.	DW RAD	90-272A	DW RAD-RX 582, 45 DEG AZIMUTH
16.	DW RAD	90-272C	DW RAD-RX 582, 340 DEG AZIMUTH
17.	DW RAD	90-273A	DW RAD-RX 560, 270 DEG AZIMUTH
18.	DW RAD	90-273C	DW RAD-RX 582, 190 DEG AZIMUTH
19.	MN STEAM RAD	90-136	MAIN STM LINE A RAD LEVEL
20.	MN STEAM RAD	90-137	MAIN STM LINE B RAD LEVEL
21.	MN STEAM RAD	90-138	MAIN STM LINE C RAD LEVEL
22.	MN STEAM RAD	90-139	MAIN STM LINE D RAD LEVEL
23.	DW PRESS	SPDS0009	DRYWELL PRESSURE - COMPOSED
24.	DW TEMP	SPDS0010	DRYWELL TEMPERATURE - COMPOSED
25.	SP TEMP	SPDS0016	SUPPR PL WTR TEMP - COMPOSED
26.	SP LEVEL	SPDS0013	SUPPL PL WTR LVL (IN) - COMPOSED
27.	H2 CONC	SPDS0017	DRYWELL H2 - COMPOSED
28.	O2 CONC	76-43	DRYWELL OXYGEN CONCENTRATION
29.	CST LEVEL	2-161	CST #3 (UNIT 2) LEVEL
30.	WIND SPEED	MET005	91M VECTOR WIND SPEED (1HR AVG)
31.	WIND SPEED	MET012	46M VECTOR WIND SPEED (1HR AVG)
32.	WIND SPEED	MET019	10M VECTOR WIND SPEED (1HR AVG)
33.	WIND DIR	MET003	91M VECTOR WIND DIR (1HR AVG)
34.	WIND DIR	MET010	46M VECTOR WIND DIR (1HR AVG)
35.	WIND DIR	MET019	10M VECTOR WIND DIR (1HR AVG)
36.	STAB CLASS		

ERDS point number 1. NI POWER RNG SPDS0001 Reactor Power

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	NI POWER RNG
Point ID:	SPDS0001
Plant Spec Point Desc:	RX POWER APRM - COMPOSED
Generic/Cond Desc:	Reactor Power
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	6
How Processed:	Weighted Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	High at 3 % (Inhibited if no SCRAM)
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	Y
Level Reference Leg:	N/A
Unique System Desc:	The HIGH alarm is inhibited when the plant is not in a SCRAM condition.

ERDS point number 2. NI INTER RNG CALC045 Reactor Power - Intermediate Rng

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	NI INTER RNG
Point ID:	CALC045
Plant Spec Point Desc:	AVERATE OF 8 IRM'S
Generic/Cond Desc:	Reactor Power - Intermediate Rng
Analog/Digital:	A
Engr Units/Dig States:	%SCALE
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	8
How Processed:	Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 3. NI SOURC RNG SPDS0041 Reactor Power - Source Range

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	SPDS0041
Plant Spec Point Desc:	RX POWER SRM - AVG
Generic/Cond Desc:	Reactor Power - Source Range
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	
Minimum Instr Range:	10
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power out-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 4. REAC VES LEV SPDS0007 Reactor Vessel Water Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	REAC VES LEV
Point ID:	SPDS0007
Plant Spec Point Desc:	RX WATER LEVEL - COMPOSED
Generic/Cond Desc:	Reactor Vessel Water Level
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	N/A
Minimum Instr Range:	-268
Maximum Instr Range:	400
Zero Point Reference:	MSKRT
Reference Point Notes:	STANDARD GE REACTOR LEVEL REFERENCE
PROC or SENS:	P
Number of Sensors:	10
How Processed:	Weighted Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	Low at 12 Inches
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 5. MAIN FD FLOW CALC040 Feedwater Flow into the Reactor

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	CALC040
Plant Spec Point Desc:	RFW FLOW TO REACTOR
Generic/Cond Desc:	Feedwater Flow into the Reactor
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0.0
Maximum Instr Range:	16.0
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Sum of RFW LINE A and RFW LINE B
Sensor Locations:	N/A
Alarm/Trip Set Points:	No alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 6. RCIC FLOW 71-36 Core Isolation Cooling Flow

Date:	12/02/91
Reactor Unit:	BF2
Dat\ feeder:	1
NRC ERDS Parameter:	RCIC FLOW
Point ID:	71-36
Plant Spec Point Desc:	RCIC PUMP DISCHARGE FLOW
Generic/Cond Desc:	Core Isolation Cooling Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of Min Flow Line
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 7. RCS PRESSURE SPDS0008 Reactor Coolant System Pressure

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	SPDS0008
Plant Spec Point Desc:	RX PRESSURE - COMPOSED
Generic/Cond Desc:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	5
How Processed:	Weighted Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	High at 1043.0 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 8. HPCI FLOW 73-33 High Pressure Coolant Inj. Flow

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	HPCI FLOW
Point ID:	73-33
Plant Spec Point Desc:	HPCI Pump Discharge Flow
Generic/Cond Desc:	High Pressure Coolant Inj. Flow
Analog/Digital:	S
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	6000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of Min Flow Line
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 9. LPCI FLOW 74-50 LPCI - RHR System 1 Flow

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	LPCI FLOW
Point ID:	74-50
Plant Spec Point Desc:	RHR SYS I FLOW
Generic/Cond Desc:	LPCI - RHR System 1 Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	40000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of HX and Before Sprays
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 10. LPCI FLOW 74-64 LPCI - RHR System II Flow

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	LPCI FLOW
Point ID:	74-64
Plant Spec Point Desc:	RHR SYS II FLOW
Generic/Cond Desc:	LPCI - RHR System II Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	40000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of HX and Before Sprays
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 11. CR SPRAY FL 75-21 Core Spray - System I Flow

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	75-21
Plant Spec Point Desc:	CORE SPRAY SYS I FLOW
Generic/Cond Desc:	Core Spray - System I Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstrem of Min Flow Line
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 12. CR SPRAY FL 75-49 Core Spray - System II Flow

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	75-49
Plant Spec Point Desc:	CORE SPRAY SYS II FLOW
Generic/Cond Desc:	Core Spray - System II Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Downstream of Min Flow Line
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 13. EFF GAS RAD 90-306U0 Radioactivity of Released Gasses

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	90-306U0
Plant Spec Point Desc:	WIDE RANGE GASEOUS EFFL RAD MON
Generic/Cond Desc:	Radioactivity of Released Gasses
Analog/Digital:	P
Engr Units/Dig States:	uCi/S
Engr Units Conversion:	N/A
Minimum Instr Range:	0.0
Maximum Instr Range:	2.64 E12
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	
Alarm/Trip Set Points:	High at 140 E6 uCi/S
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrumer. Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 14. CND A/E RAD 90-157 Condensor Air Ejector Rad Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	CND A/E RAD
Point ID:	90-157
Plant Spec Point Desc:	OFFGAS PRE TREATMENT RADIATION
Generic/Cond Desc:	Condensor Air Ejector Rad Level
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Upstream of Filter Beds
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 15. DW RAD 90-272A Drywell Radiation - 45 Deg

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW RAD
Point ID:	90-272A
Plant Spec Point Desc:	DW RAD-RX 582, 45 DEG AZIMUTH
Generic/Cond Desc:	Drywell Radiation - 45 Deg
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At Level 582, 45 Degree Azimuth
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 16. DW RAD 90-272C Drywell Radiation - 340 Deg

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW RAD
Point ID:	90-272C
Plant Spec Point Desc:	DW RAD-RX 582, 340 DEG AZIMUTH
Generic/Cond Desc:	Drywell Radiation - 340 Deg
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At Level 582, 340 Degree Azimuth
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 17. DW RAD 90-273A Drywell Radiation - 270 Deg

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW RAD
Point ID:	90-273A
Plant Spec Point Desc:	DW RAD-RX 560, 270 DEG AZIMUTH
Generic/Cond Desc:	Drywell Radiation - 270 Deg
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At Level 560, 270 Degree Azimuth
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 18. DW RAD 90-273C Drywell Radiation - 190 Deg

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW RAD
Point ID:	90-273C
Plant Spec Point Desc:	DW RAD-RX 582, 190 DEG AZIMUTH
Generic/Cond Desc:	Drywell Radiation - 190 Deg
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At Level 582, 190 Degree Azimuth
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 19. MN STEAM RAD 90-136 Rad Level - Main Steam Line A

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	90-136
Plant Spec Point Desc:	MAIN STM LINE A RAD LEVEL
Generic/Cond Desc:	Rad Level - Main Steam Line A
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Main Steam Tunnel
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 20. MN STEAM RAD 90-137 Rad Level - Main Steam Line B

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	90-137
Plant Spec Point Desc:	MAIN STM LINE B RAD LEVEL
Generic/Cond Desc:	Rad Level - Main Steam Line B
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Main Steam Tunnel
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 21. MN STEAM RAD 90-138 Rad Level - Main Steam Line C

Date:	12/02/91
Reactor Unit:	BF2
Data Feeder:	1
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	90-138
Plant Spec Point Desc:	MAIN STM LINE C RAD LEVEL
Generic/Cond Desc:	Rad Level - Main Steam Line C
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Main Steam Tunnel
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 22. MN STEAM RAD 90-139 Rad Level - Main Steam Line D

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	90-139
Plant Spec Point Desc:	MAIN STM LINE D RAD LEVEL
Generic/Cond Desc:	Rad Level - Main Steam Line D
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Main Steam Tunnel
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 23. DW PRESS SPDS0009 Drywell Pressure

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW PRESS
Point ID:	SPDS0009
Plant Spec Point Desc:	DRYWELL PRESSURE - COMPOSED
Generic/Cond Desc:	Drywell Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	-5
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	6
How Processed:	Weighted Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	High at 2.45 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	Y
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 24. DW TEMP SPDS0010 Drywell Temperature

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	DW TEMP
Point ID:	SPDS0010
Plant Spec Point Desc:	DRYWELL TEMPERATURE - COMPOSED
Generic/Cond Desc:	Drywell Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	
Alarm/Trip Set Points:	High at 160 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 25. SP TEMP SPDS0016 Suppression Pool Temperature

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	SP TEMP
Point ID:	SPDS0016
Plant Spec Point Desc:	SUPPR PL WTR TEMP - COMPOSED
Generic/Cond Desc:	Suppression Pool Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	30
Maximum Instr Range:	230
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	16
How Processed:	Average
Sensor Locations:	Around Circumference of Torus
Alarm/Trip Set Points:	High at 95 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	There are only 2 inputs actually scanned by the computer. Each of these 2 are made of 8 individual sensors that are hardware averaged.

ERDS point number 26. SP LEVEL SPDS0013 Suppression Pool Water Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	SP LEVEL
Point ID:	SPDS0013
Plant Spec Point Desc:	SUPPL PL WTR LVL (IN) - COMPOSED
Generic/Cond Desc:	Suppression Pool Water Level
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	N/A
Minimum Instr Range:	-181.45
Maximum Instr Range:	58.55
Zero Point Reference:	
Reference Point Notes:	
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Weighted Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	Low at -6.25 Inches, High at -1.0 Inches
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	Y
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 27. H2 CONC SPDS0017 Drywell or Torus Hydrogen Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	H2 CONC
Point ID:	SPDS0017
Plant Spec Point Desc:	DRYWELL H2 - COMPOSED
Generic/Cond Desc:	Drywell or Torus Hydrogen Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	20
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average
Sensor Locations:	N/A
Alarm/Trip Set Points:	High at 2.40 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	There are 2 sensors that can be switched between the Torus and Drywell. Normally 1 is set to each.

ERDS point number 28. O2 CONC 76-43 Drywell or Torus Oxygen Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	O2 CONC
Point ID:	76-43
Plant Spec Point Desc:	DRYWELL OXYGEN CONCENTRATION
Generic/Cond Desc:	Drywell or Torus Oxygen Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 29. CST LEVEL 2-161 Condensate Storage Tank Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	CST LEVEL
Point ID:	2-161
Plant Spec Point Desc:	CST #3 (UNIT 2) LEVEL
Generic/Cond Desc:	Condensate Storage Tank Level
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	32
Zero Point Reference:	
Reference Point Notes:	
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	Y
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 30. WIND SPEED MET005 Wind Speed - Upper Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET005
Plant Spec Point Desc:	91M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 31. WIND SPEED MET012 Wind Speed - Intermediate Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET012
Plant Spec Point Desc:	46M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Intermediate Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 32. WIND SPEED MET019 Wind Speed - Lower Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET019
Plant Spec Point Desc:	10M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 33. WIND DIR MET003 Wind Direction - Upper Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET003
Plant Spec Point Desc:	91M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 34. WIND DIR MET010 Wind Direction - Intermed. Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET010
Plant Spec Point Desc:	46M VECTOP WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Intermed. Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 35. WIND DIR MET019 Wind Direction - Lower Level

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET019
Plant Spec Point Desc:	10M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 36. STAB CLASS Air Stability

Date:	12/02/91
Reactor Unit:	BF2
Data feeder:	1
NRC ERDS Parameter:	STAB CLASS
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Air Stability
Analog/Digital:	
Engr Units/Dig States:	STABA
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	N/A
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

SEQUOYAH UNIT 1 - ERDS DATA POINT LIBRARY

1.	NI POWER RNG		
2.	NI INTER RNG		
3.	NI SOURC RNG		
4.	RLAC VES LEV	UL6000	RVLIS LOWER RANGE AVERAGE
5.	TEMP CORE EX	UT1003	CORE EXIT TEMP MAX
6.	SUB MARGIN	UT1005	MIN SUBCOOL
7.	CORE FLOW		
8.	SG LEVEL 1/A	UL1001	SG 1 NR LEVEL AVG
9.	SG LEVEL 2/B	UL1002	SG 2 NR LEVEL AVG
10.	SG LEVEL 3/C	UL1003	SG 3 NR LEVEL AVG
11.	SG LEVEL 4/D	UL1004	SG 4 NR LEVEL AVG
12.	SG PRESS 1/A	UP1002	SG 1 MS PRESSURE AVG
13.	SG PRESS 2/B	UP1003	SG 2 MS PRESSURE AVG
14.	SG PRESS 1/C	UP1004	SG 3 MS PRESSURE AVG
15.	SG PRESS 4/D	UP1005	SG 4 MS PRESSURE AVG
16.	MN FD FL 1/A	UF1000	SG 1 FW FLOW AVG
17.	MN FD FL 2/B	UF1001	SG 2 FW FLOW AVG
18.	MN FD FL 3/C	UF1002	SG 3 FW FLOW AVG
19.	MN FD FL 4/D	UF1003	SG 4 FW FLOW AVG
20.	AX FW FL 1/A	1-FM3-163B	STM GEN 1 AFW INLET FLOW
21.	AX FW FL 2/B	1-FM3-155B	STM GEN 2 AFW INLET FLOW
22.	AX FW FL 3/C	1-FM3-147B	STM GEN 3 AFW INLET FLOW
23.	AX FW FL 4/D	1-FM3-170B	STM GEN 4 AFW INLET FLOW
24.	HL TEMP 1/A	1-TM68-1B	LP 1 HL WID RNG TEMP
25.	HL TEMP 2/B	1-TM68-24B	LP 2 HL WID RNG TEMP
26.	HL TEMP 3/C	1-TM68-43B	LP 3 HL WID RNG TEMP
27.	HL TEMP 4/D	1-TM68-65B	LP 4 HL WID RNG TEMP
28.	CL TEMP 1/A	1-TE68-18	LP 1 CL WID RNG TEMP
29.	CL TEMP 2/B	1-TE68-41	LP 2 CL WID RNG TEMP
30.	CL TEMP 3/C	1-TE68-60	LP 3 CL WID RNG TEMP
31.	CL TEMP 4/D	1-TE68-83	LP 4 CL WID RNG TEMP
32.	RCS PRESSURE	UP1000	RCS WID PRESS AVG
33.	PRZR LEVEL	UL1005	PRZR LEV AVG
34.	RCS CHG/MU	UF1016	NET CHG FLO
35.	HP SI FLOW	UF1010	SI FLOW TOTAL
36.	LP SI FLOW	UF1011	RHR FLO TO TOTAL COLD LEG
37.	CNTMT SMP NR		
38.	CNTMT SMP WR	UL1011	CNTMT SUMP LEV AVG
39.	EFF GAS RAD		
40.	EFF LIQ RAD		
41.	COND A/E RAD	1-RE90-119	COND VAC PUMP AIR EXH RAD MON
42.	CNTMNT RAD	UR6021	UPPER CONTAINMENT RADIATION
43.	CNTMNT RAD	UR6022	LOWER CONTAINMENT RADIATION
44.	RCS LTDN RAD	1-RE90-104	LETDOWN RAD
45.	MAIN SL 1/A	1-RM90-421	MN STEAM LINE 1 RAD LEV
46.	MAIN SL 2/B	1-RM90-422	MN STEAM LINE 2 RAD LEV
47.	MAIN SL 3/C	1-RM90-423	MN STEAM LINE 3 RAD LEV
48.	MAIN SL 4/D	1-RM90-424	MN STEAM LINE 4 RAD LEV
49.	SG BD RAD 1A		
50.	SG BD RAD 2B		
51.	SG BD RAD 3C		
52.	SG BD RAD 4D		
53.	CTMNT PRESS	UP6000	CNTMT PRESSURE AVERAGE
54.	CTMNT TEMP	UT2000	CONTAINMENT TEMP AVG
55.	H2 CONC	UY1005	H2 CONC AVG
56.	BWST LEVEL		

57.	WIND SPEED	MET005	91M VECTOR WIND SPEED (1HR AVG)
58.	WIND SPEED	MET012	46M VECTOR WIND SPEED (1HR AVG)
59.	WIND SPEED	MET019	10M VECTOR WIND SPEED (1HR AVG)
60.	WIND SPEED	MET003	91M VECTOR WIND DIR (1HR AVG)
61.	WIND DIR	MET010	46M VECTOR WIND DIR (1HR AVG)
62.	WIND DIR	MET017	10M VECTOR WIND DIR (1HR AVG)
63.	STAB CLASS		

ERDS point number 1. NI POWER RNG Reactor Power

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: NI POWER RNG
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Reactor Power

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg: N/A

Unique System Desc:

ERDS point number 2. NI INTER RNG Reactor Power - Intermediate Rng

Date: 12/02/91
Reactor Unit: SS1
Data feeder: 1
NRC ERDS Parameter: NI INTER RNG
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Reactor Power - Intermediate Rng

Analog/Digital A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 3. NI SOURC RNG Reactor Power - Source Range

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: NI SOURC RNG
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Reactor Power - Source Range

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 4. REAC VES LEV UL6000 Reactor Vessel Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	REAC VES LEV
Point ID:	UL6000
Plant Spec Point Desc:	RVLIS LOWER RANGE AVERAGE
Generic/Cond Desc:	Reactor Vessel Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 50 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 5. TEMP CORE EX UT1003 Highest Core Exit Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	UT1003
Plant Spec Point Desc:	CORE EXIT TEMP MAX
Generic/Cond Desc:	Highest Core Exit Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Note:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 700 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 6. SUB MARGIN UT1005 Saturation Temp. - Highest CET

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SUB MARGIN
Point ID:	UT1005
Plant Spec Point Desc:	MIN SUBCOOL
Generic/Cond Desc:	Saturation Temp. - Highest CET
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 15 DEGF, High at 130 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 7. CORE FLOW Total Reactor Coolant Flow

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: CORE FLOW
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Total Reactor Coolant Flow

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 8. SG LEVEL 1/A UL1001 Steam Generator 1 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	UL1001
Plant Spec Point Desc:	SG 1 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 1 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 9. SG LEVEL 2/B UL1002 Steam Generator 2 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	UL1002
Plant Spec Point Desc:	SG 2 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 2 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 10. SG LEVEL 3/C UL1003 Steam Generator 3 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 3/C
Point ID:	UL1003
Plant Spec Point Desc:	SG 3 NR LEVEL AV3
Generic/Cond Desc:	Steam Generator 3 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 11. SG LEVEL 4/D UL1004 Steam Generator 4 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	UL1004
Plant Spec Point Desc:	SG 4 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 4 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 12. SG PRESS 1/A UP1002 Steam Generator 1 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 1/A
Point ID:	UP1002
Plant Spec Point Desc:	SG 1 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 1 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 13 SG PRESS 2/B UP1003 Steam Generator 2 Pressure

Date:	12/02/91
Reactor Unit:	SS1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 2/B
Point ID:	UP1003
Plant Spec Point Desc:	SG 2 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 2 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 14. SG PRESS 1/C UP1004 Steam Generator 3 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 1/C
Point ID:	UP1004
Plant Spec Point Desc:	SG 3 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 3 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 15. SG PRESS 4/D UP1005 Steam Generator 4 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 4/D
Point ID:	UP1005
Plant Spec Point Desc:	SG 4 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 4 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 16. MN FD FL 1/A UF1000 Stm Gen 1 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SS1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 1/A
Point ID:	UF1000
Plant Spec Point Desc:	SG 1 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 1 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS Point Number 17. MN FD FL 2/B UF1001 Stm Gen 2 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 2/B
Point ID:	UF1001
Plant Spec Point Desc:	SG 2 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 2 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 1f. MN FD FL 3/C UF1f02 Stm Gen 3 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 3/C
Point ID:	UF1002
Plant Spec Point Desc:	SG 3 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 3 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 19. MN FD FL 4/D UF1003 Stm Gen 4 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 4/D
Point ID:	UF1003
Plant Spec Point Desc:	SG 4 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 4 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 20. AX FW FL 1/A 1-FM3-163B Stm Gen 1 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 1/A
Point ID:	1-FM3-163B
Plant Spec Point Desc:	STM GEN 1 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 1 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Tr ρ Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 21. AX FW FL 2/B 1-FM3-155B Stm Gen 2 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 2/B
Point ID:	1-FM3-155B
Plant Spec Point Desc:	STM GEN 2 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 2 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 02. AX FW FL 3/C 1-FM3-147B Stm Gen 3 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 3/C
Point ID:	1-FM3-147B
Plant Spec Point Desc:	STM GEN 3 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 3 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 23. AX FW FL 4/D 1-FM3-170B Stm Gen 4 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 4/D
Point ID:	1-FM3-170B
Plant Spec Point Desc:	STM GEN 4 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 4 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 24. HL TEMP 1/A 1-TM68-1[illegible] Stm Gen 1 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	1-TM68-1B
Plant Spec Point Desc:	LP 1 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 1 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 25. HL TEMP 2/B 1-TM68-24B Stm Gen 2 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	1-TM68-24B
Plant Spec Point Desc:	LP 2 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 2 Inlet Temperature
Analog/Digital:	A
Engr Units Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level.	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 26. HL TEMP 3/C 1-TM68-43B Stm Gen 3 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 3/C
Point ID:	1-TM68-43B
Plant Spec Point Desc:	LP 3 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 3 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Location:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Reference Leg:	
Plant System Desc:	

ERDS point number 27. HL TEMP 4/D 1-TM68-65B Stm Gen 4 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 4/D
Point ID:	1-TM68-65B
Plant Spec Point Desc:	LP 4 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 4 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 28. CL TEMP 1/A 1-TE68-18 Stm Gen 1 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	1-TE68-18
Plant Spec Point Desc:	LP 1 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 1 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 29. CL TEMP 2/B 1-TE68-41 Stm Gen 2 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	1-TE68-41
Plant Spec Point Desc:	LP 2 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 2 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 30. CL TEMP 3/C 1-TE68-60 Stm Gen 3 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 3/C
Point ID:	1-TE68-60
Plant Spec Point Desc:	LP 3 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 3 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 31. CL TEMP 4/D 1-TE68-83 Stm Gen 4 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 4/D
Point ID:	1-TE68-83
Plant Spec Point Desc:	LP 4 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 4 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 32. RCS PRESSURE UP1000 Reactor Coolant System Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	UP1000
Plant Spec Point Desc:	RCS WID PRESS AVG
Generic/Cond Desc:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 33. PRZR LEVEL UL1005 Primary System Pressurizer Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	UL1005
Plant Spec Point Desc:	PRZR LEV AVG
Generic/Cond Desc:	Primary System Pressurizer Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 12 %, High at 60 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 34. RCS CHG/MU UF1016 Primary System Charging / Makeup

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	UF1016
Plant Spec Point Desc:	NET CHG FLO
Generic/Cond Desc:	Primary System Charging / Makeup
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	-200
Maximum Instr Range:	176
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 35. HP SI FLOW UF1010 High Pressure Safety Inj. Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HP SI FLOW
Point ID:	UF1010
Plant Spec Point Desc:	SI FLOW TOTAL
Generic/Cond Desc:	High Pressure Safety Inj. Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	1600
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 36. LP SI FLOW UF1011 Low Pressure Safety Inj. Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	LP SI FLOW
Point ID:	UF1011
Plant Spec Point Desc:	RHR FLO TO TOTAL COLD LEG
Generic/Cond Desc:	Low Pressure Safety Inj. Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	11000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 37. CNTMT SMP NR Containment Sump Narrow Rng Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMT SMP NR
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Containment Sump Narrow Rng Lvl
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 38. CNTMT SMP WR UL1011 Containment Sump Wide Rng Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC EPDS Parameter:	CNTMT SMP WR
Point ID:	UL1011
Plant Spec Point Desc:	CNTMT SUMP LEV AVG
Generic/Cond Desc:	Containment Sump Wide Rng Lvl
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 39. EFF GAS RAD Radioactivity of Released Gasses

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 40. EFF LIQ RAD Radioactivity of Released Liquid

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc	Radioactivity of Released Liquid
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 41. COND A/E RAD 1-RE90-119 Cndsr Air Ejector Radioactivity

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	COND A/E RAD
Point ID:	1-RE90-119
Plant Spec Point Desc:	COND VAC PUMP AIR EXH RAD MON
Generic/Cond Desc:	Cndsr Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	
Minimum Instr Range:	10
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SENSOR
Sensor Locations:	
Alarm/Trip Set Points:	High at 78000 CPM
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 42. CNTMNT RAD UR6021 Containment Radiation Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	UR6021
Plant Spec Point Desc:	UPPER CONTAINMENT RADIATION
Generic/Cond Desc:	Containment Radiation Level
Analog/Digital:	A
Engr Units/Dig States:	DKCM
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 43. CNTMNT RAD UR6022 Lower Containment Radiation Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	UR6022
Plant Spec Point Desc:	LOWER CONTAINMENT RADIATION
Generic/Cond Desc:	Lower Containment Radiation Lvl
Analog/Digital:	A
Engr Units/Dig States:	DKCM
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 44. RCS LTDN RAD 1-RE90-104 RCS Letdown Line Radiation Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	1-RE90-104
Plant Spec Point Desc:	LETDOWN RAD
Generic/Cond Desc:	RCS Letdown Line Radiation Level
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	
Minimum Instr Range:	10
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 500000 CPM
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 45. MAIN SL 1/A 1-RM90-421 Stm Gen 1 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 1/A
Point ID:	1-RM90-421
Plant Spec Point Desc:	MN STEAM LINE 1 RAD LEV
Generic/Cond Desc:	Stm Gen 1 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 46. MAIN SL 2/B 1-RM90-422 Stm Gen 2 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 2/B
Point ID:	1-RM90-422
Plant Spec Point Desc:	MN STEAM LINE 2 RAD LEV
Generic/Cond Desc:	Stm Gen 2 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 47. MAIN SL 3/C 1-RM90-423 Stm Gen 3 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 3/C
Point ID:	1-RM90-423
Plant Spec Point Desc:	MN STEAM LINE 3 RAD LEV
Generic/Cond Desc:	Stm Gen 3 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 48. MAIN SL 4/D 1-RM90-424 Stm Gen 4 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 4/D
Point ID:	1-RM90-424
Plant Spec Point Desc:	MN STEAM LINE 4 RAD LEV
Generic/Cond Desc:	Stm Gen 4 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 49. SG BD RAD 1A Stm Gen 1 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 1A
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 1 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 50. SG BD RAD 2B Stm Gen 2 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 2B
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 2 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 51. SG BD RAD 3C Stm Ge. 3 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 3C
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 3 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 52. SG BD RAD 4D Stm Gen 4 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 4D
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 4 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig Status:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 53. CTMNT PRESS UP6000 Containment Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	UP6000
Plant Spec Point Desc:	CNTMT PRESSURE AVERAGE
Generic/Cond Desc:	Containment Pressure
Ana /Digital:	A
Eng Units/Dig States:	PSIG
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 54. CTMNT TEMP UT2000 Containment Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	UT2000
Plant Spec Point Desc:	CONTAINMENT TEMP AVG
Generic/Cond Desc:	Containment Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 60 DEGF, High at 130 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 55. H2 CONC UY1005 Containment H2 Concentration

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	H2 CONC
Point ID:	UY1005
Plant Spec Point Desc:	H2 CONC AVG
Generic/Cond Desc:	Containment H2 Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 10 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 56. BWST LEVEL Borated Water Storage Tank Level

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: BWST LEVEL
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Borated Water Storage Tank Level

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 57. WIND SPEED MET005 Wind Speed - Upper Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET005
Plant Spec Point Desc:	91M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 58. WIND SPEED MET012 Wind Speed - Intermediate Level

Date:	12/05/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET012
Plant Spec Point Desc:	46M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Intermediate Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 59. WIND SPEED MET019 Wind Speed - Lower Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET019
Plant Spec Point Desc:	10M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 60. WIND SPEED MET003 Wind Direction - Upper Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET003
Plant Spec Point Desc:	91M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 61. WIND DIR MET010 Wind Direction - Intermed. Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET010
Plant Spec Point Desc:	46M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Intermed. Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 62. WIND DIR MeT017 Wind Direction - Lower Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET017
Plant Spec Point Desc:	10M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 63. STAB CLASS Air Stability

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	STAB CLASS
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Air Stability
Analog/Digital:	
Engr Units/Dig States:	STABA
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

SEQUOYAH UNIT 2 - ERDS DATA POINT LIBRARY

1.	NI POWER RNG		
2.	NI INTFR RNG		
3.	NI SOURC RNG		
4.	REAC VES LEV	UL6000	RVLIS LOWER RANGE AVERAGE
5.	TEMP CORE EX	UT1003	CORE EXIT TEMP MAX
6.	SUB MARGIN	UT1005	MIN SUBCOOL
7.	CORE FLOW		
8.	SG LEVEL 1/A	UL1001	SG 1 NR LEVEL AVG
9.	SG LEVEL 2/B	UL1002	SG 2 NR LEVEL AVG
10.	SG LEVEL 3/C	UL1003	SG 3 NR LEVEL AVG
11.	SG LEVEL 4/D	UL1004	SG 4 NR LEVEL AVG
12.	SG PRESS 1/A	UP1002	SG 1 MS PRESSURE AVG
13.	SG PRESS 2/B	UP1003	SG 2 MS PRESSURE AVG
14.	SG PRESS 1/C	UP1004	SG 3 MS PRESSURE AVG
15.	SG PRESS 4/D	UP1005	SG 4 MS PRESSURE AVG
16.	MN FD FL 1/A	UF1000	SG 1 FW FLOW AVG
17.	MN FD FL 2/B	UF1001	SG 2 FW FLOW AVG
18.	MN FD FL 3/C	UF1002	SG 3 FW FLOW AVG
19.	MN FD FL 4/D	UF1003	SG 4 FW FLOW AVG
20.	AX FW FL 1/A	2-FM3-163B	STM GEN 1 AFW INLET FLOW
21.	AX FW FL 2/B	2-FM3-155B	STM GEN 2 AFW INLET FLOW
22.	AX FW FL 3/C	2-FM3-147B	STM GEN 3 AFW INLET FLOW
23.	AX FW FL 4/D	2-FM3-170B	STM GEN 4 AFW INLET FLOW
24.	HL TEMP 1/A	2-TM68-1B	LP 1 HL WID RNG TEMP
25.	HL TEMP 2/B	2-TM68-24B	LP 2 HL WID RNG TEMP
26.	HL TEMP 3/C	2-TM68-43B	LP 3 HL WID RNG TEMP
27.	HL TEMP 4/D	2-TM68-65B	LP 4 HL WID RNG TEMP
28.	CL TEMP 1/A	2-TE68-18	LP 1 CL WID RNG TEMP
29.	CL TEMP 2/B	2-TE68-41	LP 2 CL WID RNG TEMP
30.	CL TEMP 3/C	2-TE68-60	LP 3 CL WID RNG TEMP
31.	CL TEMP 4/D	2-TE68-83	LP 4 CL WID RNG TEMP
32.	RCS PRESSURE	UP1000	RCS WID PRESS AVG
33.	PRZR LEVEL	UL1005	PRZR LEV AVG
34.	RCS CHG/MU	UF1016	NET CHG FLO
35.	HP SI FLOW	UF1010	SI FLOW TOTAL
36.	LP SI FLOW	UF1011	RHR FLO TO TOTAL COLD LEG
37.	CNTMT SMP NR		
38.	CNTMT SMP WR	UL1011	CNTMT SUMP LEV AVG
39.	EFF GAS RAD		
40.	EFF LIQ RAD		
41.	COND A/E RAD	2-RE90-119	COND VAC PUMP AIR EXH RAD MON
42.	CNTMNT RAD	UR6021	UPPER CONTAINMENT RADIATION
43.	CNTMNT RAD	UR6022	LOWER CONTAINMENT RADIATION
44.	RCS LTDN RAD	2-RE90-104	LETDOWN RAD
45.	MAIN SL 1/A	2-RM90-421	MN STEAM LINE 1 RAD LEV
46.	MAIN SL 2/B	2-RM90-422	MN STEAM LINE 2 RAD LEV
47.	MAIN SL 3/C	2-RM90-423	MN STEAM LINE 3 RAD LEV
48.	MAIN SL 4/D	2-RM90-424	MN STEAM LINE 4 RAD LEV
49.	SG BD RAD 1A		
50.	SG BD RAD 2B		
51.	SG BD RAD 3C		
52.	SG BD RAD 4D		
53.	CTMNT PRESS	UP6000	CNTMT PRESSURE AVERAGE
54.	CTMNT TEMP	UT2000	CONTAINMENT TEMP AVG
55.	H2 CONC	UY1005	H2 CONC AVG
56.	BWST LEVEL		

57.	WIND SPEED	MET005	91M VECTOR WIND SPEED (1HR AVG)
58.	WIND SPEED	MET012	46M VECTOR WIND SPEED (1HR AVG)
59.	WIND SPEED	MET019	10M VECTOR WIND SPEED (1HR AVG)
60.	WIND SPEED	MET003	91M VECTOR WIND DIR (1HR AVG)
61.	WIND DIR	MET010	46M VECTOR WIND DIR (1HR AVG)
62.	WIND DIR	MET017	10M VECTOR WIND DIR (1HR AVG)
63.	STAB CLASS		

ERDS point number 1. NI POWER RNG Reactor Power

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	NI POWER RNG
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Reactor Power
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	

ERDS point number 2. NI INTER RNG Reactor Power - Intermediate Rng

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: NI INTER RNG
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Reactor Power - Intermediate Rng

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 3. NI SOURC RNG Reactor Power - Source Range

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: NI SOURC RNG
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Reactor Power - Source Range

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID powe: cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 4. REAC VES LEV UL6000 Reactor Vessel Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	REAC VES LEV
Point ID:	UL6000
Plant Spec Point Desc:	RVLIS LOWER RANGE AVERAGE
Generic/Cond Desc:	Reactor Vessel Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Num of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 50 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 5. TEMP CORE EX UT1003 Highest Core Exit Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	UT1003
Plant Spec Point Desc:	CORE EXIT TEMP MAX
Generic/Cond Desc:	Highest Core Exit Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Point:	High at 700 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 6. SUB MARGIN UT1005 Saturation Temp. - Highest CET

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SUB MARGIN
Point ID:	UT1005
Plant Spec Point Desc:	MIN SUBCOOL
Generic/Cond Desc:	Saturation Temp. - Highest CET
Analog/Digital:	A
Engr Units/Tag Notes:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 15 DEGF, High at 130 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 7. CORE FLOW Total Reactor Coolant Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CORE FLOW
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Total Reactor Coolant Flow
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 8. SG LEVEL 1/A UL1001 Steam Generator 1 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	UL1001
Plant Spec Point Desc:	SG 1 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 1 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Note#:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 9. SG LEVEL 2/B UL1002 Steam Generator 2 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	UL1002
Plant Spec Point Desc:	SG 2 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 2 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 10. SG LEVEL 3/C UL1003 Steam Generator 3 Water Level

Date:	12/02/91
Reactor Unit:	SF1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 3/C
Point ID:	UL1003
Plant Spec Point Desc:	SG 3 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 3 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 11. SG LEVEL 4/D UL1004 Steam Generator 4 Water Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	UL1004
Plant Spec Point Desc:	SG 4 NR LEVEL AVG
Generic/Cond Desc:	Steam Generator 4 Water Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 25 %, High at 70 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 12. SG PRESS 1/A UP1002 Steam Generator 1 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 1/A
Point ID:	UP1002
Plant Spec Point Desc:	SG 1 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 1 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 13. SG PRESS 2/B UP1003 Steam Generator 2 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 2/B
Point ID:	UP1003
Plant Spec Point Desc:	SG 2 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 2 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 14. SG PRESS 1/C UP1004 Steam Generator 3 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 1/C
Point ID:	UP1004
Plan Spec Point Desc:	SG 3 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 3 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 15. SG PRESS 4/D UP1005 Steam Generator 4 Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG PRESS 4/D
Point ID:	UP1005
Plant Spec Point Desc:	SG 4 MS PRESSURE AVG
Generic/Cond Desc:	Steam Generator 4 Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 600 PSIG, High at 1200 PSIG
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 16. MN FD FL 1/A UF1000 Stm Gen 1 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 1/A
Point ID:	UF1000
Plant Spec Point Desc:	SG 1 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 1 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Inst. Range:	0
Maximum Inst. Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 17. MN FD FL 2/B UF1001 Stm Gen 2 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 2/B
Point ID:	UF1001
Plant Spec Point Desc:	SG 2 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 2 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 18. MN FD FL 3/C UF1002 Stm Gen 3 Main Feedwater Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 3/C
Point ID:	UF1002
Plant Spec Point Desc:	SG 3 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 3 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 19. MN FD FL 4/D UF1003 Stm Gen 4 Main Feedwater Flow

Date:	02/91
Reactor Unit:	1
Data feeder:	1
NRC ERDS Parameter:	MN FD FL 4/D
Point ID:	UF1003
Plant Spec Point Desc:	SG 4 FW FLOW AVG
Generic/Cond Desc:	Stm Gen 4 Main Feedwater Flow
Analog/Digital:	A
Engr Units/Dig States:	KLB/HR
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	4500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 4500 KLB/HR
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 20. AX FW FL 1/A 2-FM3-163B Stm Gen 1 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 1/A
Point ID:	2-FM3-163B
Plant Spec Point Desc:	STM GEN 1 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 1 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 21. AX FW FL 2/B 2-FM3-155B Stm Gen 2 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 2/B
Point ID:	2-FM3-155B
Plant Spec Point Desc:	STM GEN 2 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 2 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 22. AX FW FL 3/C 2-FM3-147B Stm Gen 3 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SU1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 3/C
Point ID:	2-FM3-147B
Plant Spec Point Desc:	STM GEN 3 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 3 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 23. AX FW FL 4/D 2-FM3-170B Stm Gen 4 Auxiliary FW Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	AX FW FL 4/D
Point ID:	2-FM3-170B
Plant Spec Point Desc:	STM GEN 4 AFW INLET FLOW
Generic/Cond Desc:	Stm Gen 4 Auxiliary FW Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	440
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 24. HL TEMP 1/A 2-TM68-1B Stm Gen 1 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	2-TM68-1B
Plant Spec Point Desc:	LP 1 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 1 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 25. HL TEMP 2/B 2-TM68-24B Stm Gen 2 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	2-TM68-24B
Plant Spec Point Desc:	LP 2 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 2 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum I. Range:	700
Zero Poin eference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System Desc:

ERDS point number 26. HL TEMP 3/C 2-TM68-43B Stm Gen 3 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 3/C
Point ID:	2-TM68-43B
Plant Spec Point Desc:	LP 3 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 3 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 27. HL TEMP 4/D 2-TM68-65B Stm Gen 4 Inlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HL TEMP 4/D
Point ID:	2-TM68-65B
Plant Spec Point Desc:	LP 4 HL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 4 Inlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 28. CL TEMP 1/A 2-TE68-18 Stm Gen 1 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	2-TE68-18
Plant Spec Point Desc:	LP 1 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 1 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 29. CL TEMP 2/B 2-TE68-41 Stm Gen 2 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	2-TE68-41
Plant Spec Point Desc:	LP 2 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 2 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 30. CL TEMP 3/C 2-TE68-60 Stm Gen 3 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 3/C
Point ID:	2-TE68-60
Plant Spec Point Desc:	LP 3 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 3 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 31. CL TEMP 4/D 2-TE6f-83 Stm Gen 4 Outlet Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CL TEMP 4/D
Point ID:	2-TE68-83
Plant Spec Point Desc:	LP 4 CL WID RNG TEMP
Generic/Cond Desc:	Stm Gen 4 Outlet Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
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:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 32. RCS PRESSURE UP1000 Reactor Coolant System Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	UP1000
Plant Spec Point Desc:	RCS WID PRESS AVG
Generic/Cond Desc:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
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:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 33. PRZR LEVEL UL1005 Primary System Pressurizer Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	UL1005
Plant Spec Point Desc:	PRZR LEV AVG
Generic/Cond Desc:	Primary System Pressurizer Level
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 12 %, High at 60 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 34. RCS CHG/MU UF1016 Primary System Charging / Makeup

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	UF1016
Plant Spec Point Desc:	NET CHG FLO
Generic/Cond Desc:	Primary System Charging / Makeup
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	-200
Maximum Instr Range:	176
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 35. HP SI FLOW UF1010 High Pressure Safety Inj. Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	HP SI FLOW
Point ID:	UF1010
Plant Spec Point Desc:	SI FLOW TOTAL
Generic/Cond Desc:	High Pressure Safety Inj. Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	1600
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 36. LP SI FLOW UF1011 Low Pressure Safety Inj. Flow

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	LP SI FLOW
Point ID:	UF1011
Plant Spec Point Desc:	RHR FLO TO TOTAL COLD LEG
Generic/Cond Desc:	Low Pressure Safety Inj. Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	11000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 37. CNTMT SMP NR Containment Sump Narrow Rng Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMT SMP NR
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Containment Sump Narrow Rng Lvl
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 38. CNTMT SMP WR UL1011 Containment Sump Wide Rng Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMT SMP WR
Point ID:	UL1011
Plant Spec Point Desc:	CNTMT SUMP LEV AVG
Generic/Cond Desc:	Containment Sump Wide Rng Lvl
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 39. EFF GAS RAD Radioactivity of Released Gasses

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 40. EFF LIQ RAD Radioactivity of Released Liquid

Date:	12/02/91
Reactor Unit:	SE1
Data feedur:	1
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Radioactivity of Released Liquid
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	

Unique System '

ERDS point number 41. COND A/E RAD 2-RE90-119 Cndsr Air Ejector Radioactivity

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	COND A/E RAD
Point ID:	2-RE90-119
Plant Spec Point Desc:	COND VAC PUMP AIR EXH RAD MON
Generic/Cond Desc:	Cndsr Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	
Minimum Instr Range:	10
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SENSOR
Sensor Locations:	
Alarm/Trip Set Points:	High at 78000 CPM
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 42. CNTMNT RAD UR6021 Containment Radiation Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	UR6021
Plant Spec Point Desc:	UPPER CONTAINMENT RADIATION
Generic/Cond Desc:	Containment Radiation Level
Analog/Digital:	A
Engr Units/Dig States:	DKCM
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 43. CNTMNT RAD UR6022 Lower Containment Radiation Lvl

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	UR6022
Plant Spec Point Desc:	LOWER CONTAINMENT RADIATION
Generic/Cond Desc:	Lower Containment Radiation Lvl
Analog/Digital:	A
Engr Units/Dig States:	DKCM
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 44. RCS LTDN RAD 2-RE90-104 RCS Letdown line Radiation (zv:1

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	2-RE90-104
Plant Spec Point Desc:	LETDOWN RAD
Generic/Cond Desc:	RCS Letdown Line Radiation Level
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	
Minimum Instr Range:	10
Maximum Instr Range:	10000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 50000 CPM
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensati:	
Level Reference Leg:	

Unique Sy: Desc:

ERDS point number 45. MAIN SL 1/A 2-RM90-421 Stm Gen 1 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 1/A
Point ID:	2-RM90-421
Plant Spec Point Desc:	MN STEAM LINE 1 RAD LEV
Generic/Cond Desc:	Stm Gen 1 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	MI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Location:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 46. MAIN SL 2/B 2-RM90-422 Stm Gen 2 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 2/B
Point ID:	2-RM90-422
Plant Spec Point Desc:	MN STEAM LINE 2 RAD LEV
Generic/Cond Desc:	Stm Gen 2 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 47. MAIN SL 3/C 2-RM90-423 Stm Gen 3 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 3/C
Point ID:	2-RM90-423
Plant Spec Point Desc:	MN STEAM LINE 3 RAD LEV
Generic/Cond Desc:	Stm Gen 3 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 48. MAIN SL 4/D 2-RM90-424 Stm Gen 4 Steam Line Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	MAIN SL 4/D
Point ID:	2-RM90-424
Plant Spec Point Desc:	MN STEAM LINE 4 RAD LEV
Generic/Cond Desc:	Stm Gen 4 Steam Line Rad Level
Analog/Digital:	A
Engr Units/Dig States:	uCI/CC
Engr Units Conversion:	
Minimum Instr Range:	3.72 E-4
Maximum Instr Range:	3.72 E4
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 49. SG BD RAD 1A Stm Gen 1 Blowdown Rad Level

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: SG BD RAD 1A
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Stm Gen 1 Blowdown Rad Level

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 50. SG BD RAD 2B Stm Gen 2 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 2B
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 2 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 51. SG BD RAD 3C Stm Gen 3 Blowdown Rad Level

Date: 12/02/91
Reactor Unit: SE1
Data feeder: 1
NRC ERDS Parameter: SG BD RAD 3C
Point ID:
Plant Spec Point Desc:
Generic/Cond Desc: Stm Gen 3 Blowdown Rad Level

Analog/Digital: A
Engr Units/Dig States:
Engr Units Conversion:
Minimum Instr Range:
Maximum Instr Range:
Zero Point Reference: N/A
Reference Point Notes: N/A

PROC or SENS: P
Number of Sensors: 1
How Processed:
Sensor Locations:
Alarm/Trip Set Points:

NID power cutoff level: N/A
NID power cut-on level: N/A
Instrument Failure Mode:
Temperature Compensation:
Level Reference Leg:

Unique System Desc:

ERDS point number 52. SG BD RAD 4D Stm Gen 4 Blowdown Rad Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	SG BD RAD 4D
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Stm Gen 4 Blowdown Rad Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 53. CTMNT PRESS UP6000 Containment Pressure

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	UP6000
Plant Spec Point Desc:	CNTMT PRESSURE AVERAGE
Generic/Cond Desc:	Containment Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 54. CTMNT TEMP UT2000 Containment Temperature

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	UT2000
Plant Spec Point Desc:	CONTAINMENT TEMP AVG
Generic/Cond Desc:	Containment Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	Low at 60 DEGF, High at 130 DEGF
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 55. H2 CONC UY1005 Containment H2 Concentration

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	H2 CONC
Point ID:	UY1005
Plant Spec Point Desc:	H2 CONC AVG
Generic/Cond Desc:	Containment H2 Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	High at 10 %
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 56. BWST LEVEL Borated Water Storage Tank Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	BWST LEVEL
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Borated Water Storage Tank Level
Analog/Digital:	A
Engr Units/Dig States:	
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	
Temperature Compensation:	
Level Reference Leg:	
Unique System Desc:	

ERDS point number 57. WIND SPEED MET005 Wind Speed - Upper Level

Date:	12/03/91
Reactor Unit:	SU1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET005
Plant Spec Point Desc:	91M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 58. WIND SPEED MET012 Wind Speed - Intermediate Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET012
Plant Spec Point Desc:	46M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Intermediate Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 59. WIND SPEED MET019 Wind Speed - Lower Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET019
Plant Spec Point Desc:	10M VECTOR WIND SPEED (1HR AVG)
Generic/Cond Desc:	Wind Speed - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 60. WIND SPEED MET003 Wind Direction - Upper Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND SPEED
Point ID:	MET003
Plant Spec Point Desc:	91M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Upper Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 91 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 61. WIND DIR MET010 Wind Direction - Intermed. Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET010
Plant Spec Point Desc:	46M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Intermed. Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 46 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 62. WIND DIR MET017 Wind Direction - Lower Level

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	WIND DIR
Point ID:	MET017
Plant Spec Point Desc:	10M VECTOR WIND DIR (1HR AVG)
Generic/Cond Desc:	Wind Direction - Lower Level
Analog/Digital:	A
Engr Units/Dig States:	DEGTO
Engr Units Conversion:	
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	
Sensor Locations:	At the 10 Meter Level of the Met Tower
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A

Unique System Desc:

ERDS point number 63. STAB CLASS Air Stability

Date:	12/02/91
Reactor Unit:	SE1
Data feeder:	1
NRC ERDS Parameter:	STAB CLASS
Point ID:	
Plant Spec Point Desc:	
Generic/Cond Desc:	Air Stability
Analog/Digital:	
Engr Units/Dig States:	STABA
Engr Units Conversion:	
Minimum Instr Range:	
Maximum Instr Range:	
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	
Sensor Locations:	
Alarm/Trip Set Points:	No Alarms
NID power cutoff level:	N/A
NID power cut-on level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation:	
Level Reference Leg:	N/A
Unique System Desc:	