CP&L

Carolina Power & Light Company

JUN 09 1992

SERIAL: NLS-92-140

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NOS. 1 AND 2
DOCKET NOS. 50-325 AND 50-324/LICENSE NOS. DPR-71 AND DPR-62
EMERGENCY RESPONSE DATA SYSTEM - SURVEY RESPONSE

Gentlemen:

The purpose of this letter is to provide Carolina Power & Light Company's communications description and survey questionnaire information regarding the Emergency Response Data System for the Brunswick Steam Electric Plant, Units 1 and 2 (BSEP1&2). This survey, the Plant Attribute Library (PAL), is provided in Enclosure 1.

Also provided is the Data Point Library (DPL) for BSEP1&2. Enclosures 2 and 3, respectively, provide this information.

Should you have any questions regarding this matter, please contact Mr. Fred Emerson at (919) 546-7573.

Yours very truly,

David C. McCarthy

David C. McCarthy
Manager
Nuclear Licensing Section

DBB/jbw

Enclosures

cc: Mr. S. D. Ebneter
Mr. R. Lo
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ENCLOSURE 1

PLANT ATTRIBUTE LIBRARY

BRUNSWICK STEAM ELECTRIC PLANT

SITE

I. Contacts

Note: Please provide name, title, mailing address, and phone number.

A. Survey Coordinator (i.e., contact for later clarification of questionnaire answers):

Mr. Eugene O. Eagle, Senior Engineer (919) 457-2287
Carolina Power & Light
Brunswick Steam Electric Plant, NED -- Trailor #107
P.O. Box 10429
Southport, NC 28461-0429

B. Computer Hardware Specialist(s):

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C. Systems Software Specialist(s):

Mr. Eugene O. Eagle, Senior Engineer
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D. Application-level Software Specialist(s):

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E. Telephone Systems Specialist(s):

Mr. Wayne Pearce, Manager of Site Information Services, 919-457-3386
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Brunswick Steam Electric Plant
P.O. Box 10429
Southport, NC 28461-0429

II. ERDS Communications Description

Brunswick Steam Electric Plant takes no exception to the Section II of NUREG-1394, Rev. 1.

III. Selection Of Data Feeders

A. How many data feeders are there (six maximum)?

At Brunswick Steam Electric Plant, there is one data feeder per unit, for a total of two.

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

(1) a short description of the categories of data points it will provide (e.g., met, rad, or plant data points, by unit) and

(2) the rationale for selecting it if another system can also provide its categories of data points.

(1) Each data feeders will provide all data points for the corresponding unit, including met, rad, and plant data. In addition, each data feeder will provide the reactor building and turbine building rad points associated with gaseous effluent release for the other unit.

(2) The single data feeder per unit approach was selected because the existing hardware configuration channelled all the information needed by the Safety Parameter Display System through the selected computer system.

C. Which data feeder is the site time determining feeder? This should be the feeder which is providing the majority of the data points.

Each data feeder is the time determining feeder for its associated unit. Although the times between the individual units' data feeders are expected to be reasonably close, there is no true time synchronization between them.

III. Data Feeders Information BSEP 1

Note: A new Section IV must be filled out for each feeder system selected

General Questions

1. Identification of Data Feeder

   a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the word forming it.

      ERFIS – Emergency Response Facility Information System

   b. Is this the site time determining feeder?

      Yes, for Brunswick Steam Electric Plant, Unit 1.

   c. How often will this feeder transmit an update set to the ERDS (in seconds)?

      Once every 15 seconds.

2. Hardware/Software Environment

   a. Identify the manufacturer and model number of the data feeder hardware.

      Digital Equipment Corporation, VAX8600 w/Terminal Servers

   b. Identify the operating system.

      VAX VMS 4.7

   c. What method of timekeeping in implemented on this feeder system (Daylight Savings, Standard, Greenwich)?

      Daylight Savings

   d. In what time zone is this feeder located?

      Eastern

3. Data Communication Details

a. Can this data feeder provide asynchronous serial data communication (RS-232-C) with full-modem control?

Yes

b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

c. Can this feeder transmit at a serial baud of 2400 bps? If not, at what baud rate can it transmit?

Yes

d. Does the operating system support XON/XOFF flow control?

Yes

1. Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?

No

e. If it is feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why?

Not applicable.

f. Do any ports currently exist for the ERDS linkup?

Yes

1. If not, is it possible to add additional ports?

Not applicable.

2. If yes, will the port be used solely by the ERDS or shared with other non-emergency-time users? Give details.

Normally, the port assigned for use by the ERDS will be reserved for the sole use of the ERDS. This would not exclude the occasional use of the port as required to test and ensure satisfactory operation.

4. Data Feeder Physical Environment and Management

a. Where is the data feeder located in terms of the TSC, EOF, and control room?

The data feeder is located in the EOF portion of the EOF/TSC building at Brunswick Steam Electric Plant. The data feeders for both units are housed in the same room. The EOF/TSC building is onsite but outside the protected area.

b. Is the data feeder protected from loss of supply of electricity?

Yes

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

Yes

1. If so, how many hours a day is the feeder attended?

The Shift Technical Advisor is available 24 hours to activate the ERDS. Unless called in, personnel who conduct maintenance or testing activities would normally only be available during normal business hours.

III. Data Feeders Information BSEP 2

Note: A new Section IV must be filled out for each feeder system selected.

General Questions

1. Identification of Data Feeder

   a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the word forming it.

      ERFIS – Emergency Response Facility Information System

   b. Is this the site time determining feeder?

      Yes, for Brunswick Steam Electric Plant, Unit 2.

   c. How often will this feeder transmit an update set to the ERDS (in seconds)?

      Once every 15 seconds.

2. Hardware/Software Environment

   a. Identify the manufacturer and model number of the data feeder hardware.

      Digital Equipment Corporation, VAX8600 w/Terminal Servers

   b. Identify the operating system.

      VAX VMS 4.7

   c. What method of timekeeping in implemented on this feeder system (Daylight Savings, Standard, Greenwich)?

      Daylight Savings

   d. In what time zone is this feeder located?

      Eastern

3. Data Communication Details

a. Can this data feeder provide asynchronous serial data communication (RS-232-C) with full-modem control?

Yes

b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

c. Can this feeder transmit at a serial baud of 2400 bps? If not, at what baud rate can it transmit?

Yes

d. Does the operating system support XON/XOFF flow control?

Yes

1. Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?

No

e. If it is feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why?

Not applicable.

f. Do any ports currently exist for the ERDS linkup?

Yes

1. If not, is it possible to add additional ports?

Not applicable.

2. If yes, will the port be used solely by the ERDS or shared with other non-emergency-time users? Give details.

Normally, the port assigned for use by the ERDS will be reserved for the sole use of the ERDS. This would not exclude the occasional use of the port as required to test and ensure satisfactory operation.

4. Data Feeder Physical Environment and Management

a. Where is the data feeder located in terms of the TSC, EOF, and control room?

The data feeder is located in the EOF portion of the EOF/TSC building at Brunswick Steam Electric Plant. The data feeders for both units are housed in the same room. The EOF/TSC building is onsite but outside the protected area.

b. Is the data feeder protected from loss of supply of electricity?

Yes

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

Yes

1. If so, how many hours a day is the feeder attended?

The Shift Technical Advisor is available 24 hours to activate the ERDS. Unless called in, personnel who conduct maintenance or testing activities would normally only be available during normal business hours.

ENCLOSURE 2

DATA POINT LIBRARY

BRUNSWICK STEAM ELECTRIC PLANT

UNIT 1

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	C51C0010
Plant Spec Point Desc.:	RX VALIDATED POWER--READOUT
Generic/Cond Desc.:	Nuclear Instruments, Power Range
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (APRM reading); 1% = 24.36 MWt
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.125E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	6 (APRM inputs)
How Processed:	APRM Weighted average * Gain Adj Factor
Sensor Locations:	APRM signals to Control Room meters
Alarm/Trip Set Points:	LOW = 0.300E+1
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Gain Adj Factor is processed from various heat-balance related sensors. APRM input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI INTER RNG
Point ID:	N/A
Plant Spec Point Desc.:	N/A
Generic/Cond Desc.:	Nuclear Instruments, Intermediate Range
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	N/A
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	This parameter is not monitored at BK1.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	EK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA021
Plant Spec Point Desc.:	SRM A COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 12-33.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "A" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA022
Plant Spec Point Desc.:	SRM B COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 28-41.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "B" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA023
Plant Spec Point Desc.:	SRM C COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 36-25.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "C" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA024
Plant Spec Point Desc.:	SRM D COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 20-17.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "D" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	B21C0010
Plant Spec Point Desc.:	RPV VALIDATED WTR LEVEL--READOUT
Generic/Cond Desc.:	Reactor Vessel Water Level
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	Linear (RPV water level)
Minimum Instr Range:	-0.150E+03
Maximum Instr Range:	+0.550E+03
Zero Point Reference:	TAF
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	15 (RPV level inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Level transmitters on RB 20' & 50' el.
Alarm/Trip Set Points:	LOW = 0.163E+03; HIGH = 0.208E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	The processing compensates for Drywell and Reactor Building temperatures, and Reactor pressure, calibration conditions, and Recirculation pump operating status. RPV water level input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	C51C8003
Plant Spec Point Desc.:	TOTAL FEEDWATER FLOW SMOOTHED
Generic/Cond Desc.:	Feedwater Flow into the Reactor System
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversion:	Square root (feedwater flow)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.120E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2 (feedwater flow inputs)
How Processed:	Sum smoothed, density compensated flows
Sensor Locations:	FE @ #5 FW heater outlet; FT @ TB 20'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes smoothing with a 30 second time constant and compensation for feedwater temperature and reactor pressure. Feed flow input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC FLOW
Point ID:	E51FA004
Plant Spec Point Desc.:	RCIC PUMP DISCHARGE FLOW
Generic/Cond Desc.:	Reactor Core Isolation Cooling Flow
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.500E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	HIGH = 0.410E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RCIC flow input point defaults to actual value when input exceeds signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESS
Point ID:	B21C0210
Plant Spec Point Desc.:	RPV VALIDATED PRESSURE--READOUT
Generic/Cond Desc.:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	Linear (RPV pressure)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.150E+04
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	11 (RPV pressure inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Pressure transmitters on RB 20' & 50'el
Alarm/Trip Set Points:	HIGH = 0.1045E+04
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for COOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RPV pressure input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	HPCI FLOW
Point ID:	E41FA001
Plant Spec Point Desc.:	HPCI PUMP DISCHARGE FLOW
Generic/Cond Desc.:	High Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.500E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	HIGH = 0.430E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	HPCI flow input point defaults to actual value when input exceeds signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	E11FA005
Plant Spec Point Desc.:	RHR LOOP A SYSTEM FLOW
Generic/Cond Desc.:	Low Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before Torus or DW Spray: FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RHR A flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	E11FA006
Plant Spec Point Desc.:	RHR LOOP B SYSTEM FLOW
Generic/Cond Desc.:	Low Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before Torus or DW Spray; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RHR B flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	E21FA001
Plant Spec Point Desc.:	CORE SPRAY PUMP A FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Core Spray A flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	E21FA002
Plant Spec Point Desc.:	CORE SPRAY PUMP B FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Core Spray B flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW FD SMP LV
Point ID:	N/A
Plant Spec Point Desc.:	N/A
Generic/Cond Desc.:	Drywell Floor Drain Sump Level
Analog/Digital:	N/A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	N/A
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	This parameter is not monitored at BK1.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0303
Plant Spec Point Desc.:	RB ROOF NOB GAS RAD CACAT-12643
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U1 RB vent; sensor @ RB 166'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB rad input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB1) = D17R0303 * VA_FA004 * CONT1000
	ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	VA_FA004
Plant Spec Point Desc.:	U-1 RX BLDG ROOF VENT FLOW
Generic/Cond Desc.:	Reactor Building Vent Flow Rate
Analog/Digital:	A
Engr Units/Dig States:	KSCFM
Engr Units Conversion:	Linear
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.200E+03
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:	LOW = 0.200E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB flow input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB1) = D17R0303 * VA_FA004 * CONT1000

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	CONT1000
Plant Spec Point Desc.:	U-1 RB VENT MON EFFIC FAC
Generic/Cond Desc.:	RB Vent Rad Monitor Efficiency
Analog/Digital:	A
Engr Units/Dig States:	(see below)
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Equated to constant
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Engineering units are (μCI/SEC)/(CFM*CPM). Radiation monitor efficiency changes with calibration. EFF_GAS_RAD(RB1) = D17R0303 * VA_FA004 * CONT1000

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0306
Plant Spec Point Desc.:	U2-RB ROOF NOB GAS RAD
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U2 RB vent; sensor @ RB 166'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB rad input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB2) = D17R0306 * VA_FA104 * CONT101 ODCM ensures compliance with 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	VA_FA104
Plant Spec Point Desc.:	U-2 RX BLDG ROOF VENT FLOW
Generic/Cond Desc.:	Reactor Building Vent Flow Rate
Analog/Digital:	A
Engr Units/Dig States:	KSCFM
Engr Units Conversion:	Linear
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.200E+03
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:	LOW = 0.200E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB flow input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB2) = D17R0306 * VA_FA104 * CONT10

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	CONT1010
Plant Spec Point Desc.:	U-2 RB VENT MON EFFIC FAC
Generic/Cond Desc.:	RB Vent Rad Monitor Efficiency
Analog/Digital:	A
Engr Unit: Dig States:	(see below)
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Equated to constant
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Engineering units are (μCI/SEC)/(CFM*CPM). Radiation monitor efficiency changes with calibration. EFF_GAS_RAD(RB2) = D17R0306 * VA_FA104 * CONT1010

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BR1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0307
Plant Spec Point Desc.:	TURB BLDG VENT RAD STAT D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	µCI/S
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+13
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U1 TB vent; sensor @ CTB 29'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. U1 TB vent radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0309
Plant Spec Point Desc.:	U2 TB VENT RAD STAT 2D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	µCI/S
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+13
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U2 TB vent; sensor @ CTB 29'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. U2 TB vent radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0311
Plant Spec Point Desc.:	STACK EFFLUENT RAD STAT D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	µCI/S
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+14
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to main stack; sensor @ DGB 6'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. Stack radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC EPDS Parameter:	EFF LIQ RAD
Point ID:	D17R0401
Plant Spec Point Desc.:	SERVICE WTR RAD STAT D12RE-N008
Generic/Cond Desc.:	Radioactivity of Released Liquids
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	RB
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. Sevice water rad input point defaults to appropriate limit range value when input exceeds signal range. Up to 5 pumps may be in service w/flow=about 8000 gpm/pump. Sensor efficiency is 0.406E-06 µCI/ml/cps.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17E0210
Plant Spec Point Desc.:	SJAE RAD STAT
Generic/Cond Desc.:	Condenser Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	2
Zero Point Reference:	COMPLX
Reference Point Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the two SJAE rad alarm points: D17R0201 and D17R0202. SJAE radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17R0201
Plant Spec Point Desc.:	SJAE RAD MON A STAT D12RE-N004A
Generic/Cond Desc.:	Condenser Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	TB
Alarm/Trip Set Points:	HIGH = Variable per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. SJAE radiation input point defaults to the appropriate range limit value when input exceed signal range. Sensor efficiency, units of (μCI/sec)/(mR/hr·cfm) changes weekly with gas mix. Limits are based conservatively on the worst gas mix.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17R0202
Plant Spec Point Desc.:	SJAE RAD MON B STAT D12RE-N004B
Generic/Cond Desc.:	Condenser Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	TB
Alarm/Trip Set Points:	HIGH = Variable per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. SJAE radiation input point defaults to the appropriate range limit value when input exceed signal range. Sensor efficiency, units of (μCI/sec)/(mR/hr-cfm) changes weekly with gas mix. Limits are based conservatively on the worst gas mix.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC EKDS Parameter:	DW RAD
Point ID:	D17E0611
Plant Spec Point Desc.:	PRI CNTMT RAD STAT
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	2
Zero Point Reference:	COMPLX
Reference Point Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation Fo. DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the four drywell rad alarm points: D17R0610, D17R0611, D17R0612 and D17R0613. DW radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0610
Plant Spec Point Desc.:	PC HI RNG 30' RAD STAT D22RM4195
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SYNS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 30' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0611
Plant Spec Point Desc.:	PC HI RNG 57' RAD STAT D22RM4196
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 57' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0612
Plant Spec Point Desc.:	PC HI RNG 23' RAD STAT D22RM4197
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 23' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0613
Plant Spec Point Desc.:	PC HI RNG 57' RAD STAT D22RM4198
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 57' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17E0110
Plant Spec Point Desc.:	MSL RADIATION STAT
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	2
Zero Point Reference:	COMPLX
Reference Point Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the 4 main steam line rad alarm points: D17R0101, D17R0102, D17R0103 and D17R0104. MSL radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0101
Plant Spec Point Desc.:	MSL A RAD STATUS D12RE-N006A
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Eng. Units/Dig States:	MR/HR
Eng. Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0102
Plant Spec Point Desc.:	MSL B RAD STATUS D12RE-N006B
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	C.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0103
Plant Spec Point Desc.:	MSL C RAD STATUS D12RE-N006C
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensatio For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0104
Plant Spec Point Desc.:	MSL D RAD STATUS D12RE-N006D
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outbd. 4 isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW PRESS
Point ID:	D23C0010
Plant Spec Point Desc.:	DRYWELL VALIDATED PRESS--READOUT
Generic/Cond Desc.:	Drywell Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	Linear (Drywell pressure)
Minimum Instr Range:	-0.500E+01
Maximum Instr Range:	0.245E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4 (Drywell pressure inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	PT located @ RB 24'el.
Alarm/Trip Set Points:	HIGH = 0.180E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell pressure input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	DW TEMP
Point ID:	D23C0310
Plant Spec Point Desc.:	DRYWELL TEMPERATURE READOUT
Generic/Cond Desc.:	Drywell Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	Telemetry from Supp. Pool Temp. Mon. Sys
Minimum Instr Range:	0.320E+02
Maximum Instr Range:	0.350E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	13 (Drywell temperature inputs)
How Processed:	Regional-weighted or arithmetic average
Sensor Locations:	TE's in drywell between 10' and 92' el
Alarm/Trip Set Points:	HIGH = 0.300E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Arithmetic average is used as a backup for the regionally-weighted average.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	SP TEMP
Point ID:	D23C0210
Plant Spec Point Desc.:	POOL TEMP--TREND/BAR/READOUT
Generic/Cond Desc.:	Suppression Pool Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	Telemetry from Supp. Pool Temp. Mon. Sys
Minimum Instr Range:	0.320E+02
Maximum Instr Range:	0.212E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	24 (Suppression pool temperature inputs)
How Processed:	Regional-weighted or arithmetic average
Sensor Locations:	TE's in torus @ various azimuths
Alarm/Trip Set Points:	HIGH = 0.950E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Arithmetic average is backup for regional-weighted average; maximum pool temp counts as one region.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERF Parameter:	SF LEVEL
Point ID:	G43C0010
Plant Spec Point Desc.:	SUPP POOL VALIDATED LEVEL
Generic/Cond Desc.:	Suppression Pool Water Level
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	Linear (Suppression Pool water level)
Minimum Instr Range:	-0.10E+02
Maximum Instr Range:	0.600E+01
Zero Point Reference:	COMPLX
Reference Point Notes:	Zero is a 20' above mean sea level
PROC or SENS:	P
Number of Sensors:	3 (Suppression pool level inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Level transmitters located @ RB 13' el
Alarm/Trip Set Points:	LOW = -0.258E+01; HIGH = -0.225E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	DRY
Unique System Desc.:	Suppression pool level input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BR1
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	CACX1200
Plant Spec Point Desc.:	PC H2 CONC
Generic/Cond Desc.:	Drywell or Torus Hydrogen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (H2 concentration)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2 (Hydrogen concentration inputs)
How Processed:	Max. corrected reading w/valve line-up
Sensor Locations:	Detectors @ RB 20' el.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes the application of correction factors and compensates for temperature and pressure. H2 conc. inputs default to actual values when inputs exceed signal ranges. H2 sample lines run to DW 100', 50' & 6'; Torus -1'el.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	O2 CONC
Point ID:	CACX1210
Plant Spec Point Desc.:	PC O2 CONC
Generic/Cond Desc.:	Drywell or Torus Oxygen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (O2 concentration)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.250E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC e ~%NS:	P
Number of Sensors:	2 (Oxygen concentration inputs)
How Processed:	Max. corrected reading w/valve line-up
Sensor Locations:	Detectors @ RB 20' el.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes the application of correction factors and compensates for temperature and pressure. O2 conc. inputs default to actual values when inputs exceed signal ranges. O2 sample lines run to DW 100', 50' & 6'; Torus -1'el.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	CST LEVEL
Point ID:	CO_LA005
Plant Spec Point Desc.:	CONDENSATE STORAGE TANK LEVEL
Generic/Cond Desc.:	Condensate Storage Tank Level
Analog/Digital:	A
Engr Units/Dig States:	FTDEC
Engr Units Conversion:	Linear (CST level); 1 ft = 15625 gallons
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.320E+02
Zero Point Reference:	TNKBOT
Reference Point Notes:	Tank bottom is 20' above mean sea level.
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	CST tank
Alarm/Trip Set Points:	OW = 0.120E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	DRY
Unique System Desc.:	CST tank level points defaults to actual value when input exceeds signal range. Each unit's 500,000 gallons capacity tank can be cross connected to the other unit. A standpipe reserves 100,000 gallons for use by HPCI and RCIC.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	WE_MA001
Plant Spec Point Desc.:	UPPER WIND SPEED
Generic/Cond Desc.:	Wind Speed at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.100E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 104.6 meters above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	WE_MA006
Plant Spec Point Desc.:	LOWER WIND SPEED
Generic/Cond Desc.:	Wind Speed at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.100E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 11.5 meters above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	WE_MA0G3
Plant Spec Point Desc.:	UPPER WIND DIRECTION
Generic/Cond Desc.:	Wind Direction at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E 00
Maximum Instr Range:	0.360E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 104.6 meter above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	WE_MA004
Plant Spec Point Desc.:	LOWER WIND DIRECTION
Generic/Cond Desc.:	Wind Direction at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.360E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
w Processed:	N/A
nsor Locations:	Met Tower at 11.5 meters above base.
arm/Tr.; Set Points:	N/A
Detector Power Supply ut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System De.. .:	
	The Met tower base is located 1400' NE of
	reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK1
Data Feeder:	N/A
NRC ERDS Parameter:	STAB CLASS
Point ID:	WE_MC001
Plant Spec Point Desc.:	NUMERIC PASQUILL STABILITY CLASS
Generic/Cond Desc.:	Air Stability at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	STABI
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	COMPLX
Reference Point Notes:	Zero means dTemp average was out-of-range.
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Weighted-average of 2 Met Tower inputs
Sensor Locations:	Met Tower @ 10.2 and 103.2 above base
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The two differential temperature inputs are equally weighted in the average. The dTemp range is -5 to +10 DEG C/100M. The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

ENCLOSURE 3

DATA POINT LIBRARY

BRUNSWICK STEAM ELECTRIC PLANT

UNIT 2

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	C51C0010
Plant Spec Point Desc.:	RX VALIDATED POWER--READOUT
Generic/Cond Desc.:	Nuclear Instruments, Power Range
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (APRM reading); 1% = 24.36 MWt
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.125E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	6 (APRM inputs)
How Processed:	APRM Weighted average * Gain Adj Factor
Sensor Locations:	APRM signals to Control Room meters
Alarm/Trip Set Points:	LOW = 0.300E+1
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Gain Adj Factor is processed from various heat-balance related sensors. APRM input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI INTER RNG
Point ID:	N/A
Plant Spec Point Desc.:	N/A
Generic/Cond Desc.:	Nuclear Instruments, Intermediate Range
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	N/A
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	This parameter is not monitored at BK2.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA021
Plant Spec Point Desc.:	SRM A COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 12-33.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "A" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit.	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA022
Plant Spec Point Desc.:	SRM B COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 28-41.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "B" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA023
Plant Spec Point Desc.:	SRM C COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 36-25.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "C" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	C51NA024
Plant Spec Point Desc.:	SRM D COUNT RATE
Generic/Cond Desc.:	Nuclear Instruments, Source Range
Analog/Digital:	A
Engr Units/Dig States:	C/SEC
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	SRM is at core location 20-17.
Alarm/Trip Set Points:	LOW = 0.500E+01; HIGH = 0.500E+06
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Signal is the same that drives the "D" SRM meter in the control room. SRM point defaults to appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	B21C0010
Plant Spec Point Desc.:	RPV VALIDATED WTR LEVEL--READOUT
Generic/Cond Desc.:	Reactor Vessel Water Level
Analog/Digital:	A
Engr Units/Dig States:	IN
Engr Units Conversion:	Linear (RPV water level)
Minimum Instr Range:	-0.150E+03
Maximum Instr Range:	+0.550E+03
Zero Point Reference:	TAF
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	15 (RPV level inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Level transmitters on RB 20' & 50' el.
Alarm/Trip Set Points:	LOW = 0.163E+03; HIGH = 0.208E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc.:	The processing compensates for Drywell and Reactor Building temperatures, and Reactor pressure, calibration conditions, and Recirculation pump operating status. RPV water level input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	C51C8003
Plant Spec Point Desc.:	TOTAL FEEDWATER FLOW SMOOTHED
Generic/Cond Desc.:	Feedwater Flow into the Reactor System
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversion:	Square root (feedwater flow)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.120E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2 (feedwater flow inputs)
How Processed:	Sum smoothed, density compensated flows
Sensor Locations:	FE @ #5 FW heater outlet; FT @ TB 20'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes smoothing with a 30 second time constant and compensation for feedwater temperature and reactor pressure. Feed flow input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC FLOW
Point ID:	E51FA004
Plant Spec Point Desc.:	RCIC PUMP DISCHARGE FLOW
Generic/Cond Desc.:	Reactor Core Isolation Cooling Flow
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.500E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	HIGH = 0.410E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RCIC flow input point defaults to actual value when input exceeds signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESS
Point ID:	B21C0210
Plant Spec Point Desc.:	RPV VALIDATED PRESSURE--READOUT
Generic/Cond Desc.:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	Linear (RPV pressure)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.150E+04
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	11 (RPV pressure inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Pressure transmitters on RB 20' & 50'el
Alarm/Trip Set Points:	HIGH = 0.1045E+04
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RPV pressure input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	HPCI FLOW
Point ID:	E41FA001
Plant Spec Point Desc.:	HPCI PUMP DISCHARGE FLOW
Generic/Cond Desc.:	High Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.500E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	HIGH = 0.430E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	HPCI flow input point defaults to actual value when input exceeds signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	E11FA005
Plant Spec Point Desc.:	RHR LOOP A SYSTEM FLOW
Generic/Cond Desc.:	Low Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before Torus or DW Spray; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RHR A flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	E11FA006
Plant Spec Point Desc.:	RHR LOOP B SYSTEM FLOW
Generic/Cond Desc.:	Low Pressure Coolant Injection Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before Torus or DW Spray; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	RHR B flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	E21FA001
Plant Spec Point Desc.:	CORE SPRAY PUMP A FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Core Spray A flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	E21FA002
Plant Spec P. . Desc.:	CORE SPRAY PUMP B FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow
Analog/Digital:	A
Engr Units/Dig States:	KGPM
Engr Units Conversion:	Square root
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	FE before test flow line; FT @ RB 17'el
Alarm/Trip Set Points:	N/A
Ni Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Core Spray B flow input point defaults to the actual value when input exceeds the signal range. Temperature correction curve for flow from the DP transmitter does not exist.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW FD SMP LV
Point ID:	N/A
Plant Spec Point Desc.:	N/A
Generic/Cond Desc.:	Drywell Floor Drain Sump Level
Analog/Digital:	N/A
Engr Units/Dig States:	IN
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	N/A
How Processed:	N/A
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	This parameter is not monitored at BK2.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	2&2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0303
Plant Spec Point Desc.:	RB ROOF NOB GAS RAD CACAT-12643
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U2 RB vent; sensor @ RB 166'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB rad input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB2) = D17R0303 * VA_FA104 * CONT1010 ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	VA_FA104
Plant Spec Point Desc.:	U-2 RX BLDG ROOF VENT FLOW
Generic/Cond Desc.:	Reactor Building Vent Flow Rate
Analog/Digital:	A
Engr Units/Dig States:	KSCFM
Engr Units Conversion:	Linear
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.200E+03
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:	LOW = 0.200E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB flow input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB2) = D17R0303 * VA_FA104 * CONT1010

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	CONT1010
Plant Spec Point Desc.:	U-2 RB VENT MON EFFIC FAC
Generic/Cond Desc.:	RB Vent Rad Monitor Efficiency
Analog/Digital:	A
Engr Units/Dig States:	(see below)
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Equated to constant
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Engineering units are (μCI/SEC)/(CFM*CPM). Radiation monitor efficiency changes with calibration. EFF_GAS_RAD(RB2) = D17R0303 * VA_FA104 * CONT1010

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0306
Plant Spec Point Desc.:	U1-RB ROOF NOB GAS RAD
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U1 RB vent; sensor @ RB 166'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB rad input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB1) = D17R0306 * VA_FA004 * CONT1000 ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BF2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	VA_FA004
Plant Spec Point Desc.:	U-2 RX BLDG ROOF VENT FLOW
Generic/Cond Desc.:	Reactor Building Vent Flow Rate
Analog/Digital:	A
Engr Units/Dig States:	KSCFM
Engr Units Conversion:	Linear
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.200E+03
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:	LOW = 0.200E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	RB flow input point defaults to appropriate range limit values, when input exeeds signal range. EFF_GAS_RAD(RB1) = D17R0306 * VA_FA004 * CONT1000

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	FFF GAS RAD
Point ID:	CONT1000
Plant Spec Point Desc.:	U-1 RB VENT MON EFFIC FAC
Generic/Cond Desc.:	RB Vent Rad Monitor Efficiency
Analog/Digital:	A
Engr Units/Dig States:	(see below)
Engr Units Conversion:	N/A
Minimum Instr Range:	N/A
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Equated to constant
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Engineering units are (μCI/SEC)/(CFM*CPM). Radiation monitor efficiency changes with calibration. EP_GAS_RAD(RP1) = D17R0306 * VA_FA004 * CONT1000

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0307
Plant Spec Point Desc.:	TURB BLDG VENT RAD STAT D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	µCI/S
Engr Units Conversion:	Anti-log-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+13
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U2 TB vent; sensor @ CTB 29'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. U2 TB vent radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0309
Plant Spec Point Desc.:	U1 TB VENT RAD STAT 1D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	μCI/S
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+13
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to U1 TB vent; sensor @ CTB 29'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. U1 TB vent radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	D17R0311
Plant Spec Point Desc.:	STACK EFFLUENT RAD STAT D12-MS80
Generic/Cond Desc.:	Radioactivity of Released Gasses
Analog/Digital:	A
Engr Units/Dig States:	μCI/S
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+02
Maximum Instr Range:	0.100E+14
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Line to main stack; sensor @ DGB 6'el
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. Stack radiation release input point defaults to the appropriate range limit value when input exceeds signal range.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	D17R0401
Plant Spec Point Desc.:	SERVICE WTR RAD STAT D12RE-N008
Generic/Cond Desc.:	Radioactivity of Released Liquids
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+00
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	RB
Alarm/Trip Set Points:	HIGH = Variable limits per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. Sevice water rad input point defaults to appropriate limit range value when input exceeds signal range. Up to 5 pumps may be in service w/flow=abt 8000 gpm/pump. Sensor efficiency is 0.406E-06 µCI/ml/cps.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17E0210
Plant Spec Point Desc.:	SJAE RAD STAT
Generic/Cond Desc.:	Condenser Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	2
Zero Point Reference:	COMPLX
Reference Poir Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the two SJAE rad alarm points: D17R0201 and D17R0202. SJAE radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17R0201
Plant Spec Point Desc.:	SJAE RAD MON A STAT D12RE-N004A
Generic/Cond Desc.:	Condenser Air Ejector Radioactivi
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	TB
Alarm/Trip Set Points:	HIGH = Variable per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. SJAE radiation input point defaults to the appropriate range limit value when input exceed signal range. Sensor efficiency, units of (μCI/sec)/(mR/hr·cfm) changes weekly with gas mix. Limits are based conservatively on the worst gas mix.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	D17R0202
Plant Spec Point Desc.:	SJAE RAD MON B STAT D12RE-N004B
Generic/Cond Desc.:	Condenser Air Ejector Radioactivity
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	TB
Alarm/Trip Set Points:	HIGH = Variable per ODCM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	ODCM also ensures compliance with T.S.: 3/4.11.1, 3/4.11.2, 3/4.11.4 and 3/4.12 & 10CFR20, 10CFR50 36a and App I., 40CFR190. SJAE radiation input point defaults to the appropriate range limit value when input exceed signal range. Sensor efficiency, units of (μCI/sec)/(mR/hr-cfm) changes weekly with gas mix. Limits are based conservatively on the worst gas mix.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17E0611
Plant Spec Point Desc.:	PRI CNTMT RAD STAT
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	
Zero Point Reference:	COMPLX
Reference Point Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the four drywell rad alarm points: D17R0610, D17R0611, D17R0612 and D17R0613. DW radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0610
Plant Spec Point Dasc.:	PC HI RNG 30' RAD STAT D22RM4195
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 30' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0611
Plant Spec Point Desc.:	PC HI RNG 57' RAD STAT D22RM4196
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 57' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0612
Plant Spec Point Desc.:	PC HI RNG 23' RAD STAT D22RM4197
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 23' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERFNCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	D17R0613
Plant Spec Point Desc.:	PC HI RNG 57' RAD STAT D22RM4198
Generic/Cond Desc.:	Radiation Level in the Drywell
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+08
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	In Drywell @ RB 57' el.
Alarm/Trip Set Points:	HIGH = 0.100E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Farameter:	MN STEAM RAD
Point ID:	D17E0110
Plant Spec Point Desc.:	MSL RADIATION STAT
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	N/A
Engr Units Conversion:	Tristate
Minimum Instr Range:	0
Maximum Instr Range:	2
Zero Point Reference:	COMPLX
Reference Point Notes:	0 = Normal; 1 = Caution; 2 = Alarm
PROC or SENS:	P
Number of Sensors:	0
How Processed:	Alarm status checked
Sensor Locations:	N/A
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Value represents the more limiting status of the 4 main steam line rad alarm points: D17R0101, D17R0102, D17R0103 and D17R0104. MSL radiation input points default to the appropriate range limit values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0101
Plant Spec Point Desc.:	MSL A RAD STATUS D12RE-N006A
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0102
Plant Spec Point Desc.:	MSL B RAD STATUS D12RE-N006B
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0103
Plant Spec Point Desc.:	MSL C RAD STATUS D12RE-N006C
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen Injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D17R0104
Plant Spec Point Desc.:	MSL D RAD STATUS D12RE-N006D
Generic/Cond Desc.:	Radiation Level of the Main Steam Line
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	Antilog-10
Minimum Instr Range:	0.100E+01
Maximum Instr Range:	0.100E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	Alarm checked
Sensor Locations:	Near outboard isolat. valve @ RB 50'el
Alarm/Trip Set Points:	HIGH = Variable per Tech. Specs.
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Technical Specifications limits are based on background radiation which can change frequently due to Hydrogen injection. Main Steam Line radiation input point defaults to the appropriate range limit value when input exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW PRESS
Point ID:	D23C0010
Plant Spec Point Desc.:	DRYWELL VALIDATED PRESS--READOUT
Generic/Cond Desc.:	Drywell Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	Linear (Drywell pressure)
Minimum Instr Range:	-0.500E+01
Maximum Instr Range:	0.245E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4 (Drywell pressure inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	PT located @ RB 24'el.
Alarm/Trip Set Points:	HIGH = 0.180E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Drywell pressure input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	DW TEMP
Point ID:	D23C0310
Plant Spec Point Desc.:	DRYWELL TEMPERATURE READOUT
Generic/Cond Desc.:	Drywell Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	Telemetry from Supp. Pool Temp. Mon. Sys
Minimum Instr Range:	0.320E+02
Maximum Instr Range:	0.350E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	13 (Drywell temperature inputs)
How Processed:	Regional-weighted or arithmetic average
Sensor Locations:	TE's in drywell between 10' and 92' el
Alarm/Trip Set Points:	HIGH = 0.300E+03
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Arithmetic average is used as a backup for the regionally-weighted average.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	SP TEMP
Point ID:	D23C0210
Plant Spec Point Desc.:	POOL TEMP--TREND/BAR/READOUT
Generic/Cond Desc.:	Suppression Pool Temperature
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	Telemetry from Supp. Pool Temp. Mon. Sys
Minimum Instr Range:	0.320E+02
Maximum Instr Range:	0.212E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	24 (Suppression pool temperature inputs)
How Processed:	Regional-weighted or arithmetic average
Sensor Locations:	TE's in torus @ various azimuths
Alarm/Trip Set Points:	HIGH = 0.950E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Arithmetic average is backup for regional-weighted average; maximum pool temp counts as one region.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	SP LEVEL
Point ID:	G43C0010
Plant Spec Point Desc.:	SUPP POOL VALIDATED LEVEL
Generic/Cond Desc.:	Suppression Pool Water Level
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	Linear (Suppression Pool water level)
Minimum Instr Range:	-0.10E+02
Maximum Instr Range:	0.600E+01
Zero Point Reference:	COMPLX
Reference Point Notes:	Zero is a 20' above mean sea level
PROC or SENS:	P
Number of Sensors:	5 (Suppression pool level inputs)
How Processed:	Accuracy-weighted average
Sensor Locations:	Level transmitters located @ RB 13' el
Alarm/Trip Set Points:	LOW = -0.258E+01; HIGH = -0.225E+01
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	DRY
Unique System Desc.:	Suppression pool level input points default to actual values when inputs exceed signal ranges.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	CACX1200
Plant Spec Point Desc.:	PC H2 CONC
Generic/Cond Desc.:	Drywell or Torus Hydrogen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (H2 concentration)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.300E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2 (Hydrogen concentration inputs)
How Processed:	Max. corrected reading w/valve line-up
Sensor Locations:	Detectors @ RB 20' el.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes the application of correction factors and compensates for temperature and pressure. H2 conc. inputs default to actual values when inputs exceed signal ranges. H2 sample lines run to DW 100', 50' & 6'; Torus -1'el.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	O2 CONC
Point ID:	CACX1210
Plant Spec Point Desc.:	PC O2 CONC
Generic/Cond Desc.:	Drywell or Torus Oxygen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	Linear (O2 concentration)
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.250E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2 (Oxygen concentration inputs)
How Processed:	Max. corrected reading w/valve line-up
Sensor Locations:	Detectors @ RB 20' el.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	Processing includes the application of correction factors and compensates for temperature and pressure. O2 conc. inputs default to actual values when inputs exceed signal ranges. O2 sample lines run to DW 100', 50' & 6'; Torus -1'el.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	CST LEVEL
Point ID:	CO_LA005
Plant Spec Point Desc.:	CONDENSATE STORAGE TANK LEVEL
Generic/Cond Desc.:	Condensate Storage Tank Level
Analog/Digital:	A
Engr Units/Dig States:	FTDEC
Engr Units Conversion:	Linear (CST level); 1 ft = 15625 gallons
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.320E+02
Zero Point Reference:	TNKBOT
Reference Point Notes:	Tank bottom is 20' above mean sea level.
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	CST tank
Alarm/Trip Set Points:	LOW = 0.120E+02
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW/HIGH
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	DRY
Unique System Desc.:	CST tank level points defaults to actual value when input exceeds signal range. Each unit's 500,000 gallons capacity tank can be cross connected to the other unit. A standpipe reserves 100,000 gallons for use by HPCI and RCIC.

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	WE_MA001
Plant Spec Point Desc.:	UPPER WIND SPEED
Generic/Cond Desc.:	Wind Speed at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.100E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 104.6 meters above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	WE_MA006
Plant Spec Point Desc.:	LOWER WIND SPEED
Generic/Cond Desc.:	Wind Speed at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.100E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 11.5 meters above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	WE_MA003
Plant Spec Point Desc.:	UPPER WIND DIRECTION
Generic/Cond Desc.:	Wind Direction at the Reactor Site
Analog/Digital:	A
Engr Units. Eng States:	DEGFR
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.360E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 104.6 meter above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE F?

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	WE_MA004
Plant Spec Point Desc.:	LOWER WIND DIRECTION
Generic/Cond Desc.:	Wind Direction at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.360E+03
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Met Tower at 11.5 meters above base.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level

DATA POINT LIBRARY REFERENCE FILE

Date:	05/15/92
Reactor Unit:	BK2
Data Feeder:	N/A
NRC ERDS Parameter:	STAB CLASS
Point ID:	WE_MC001
Plant Spec Point Desc.:	NUMERIC PASQUILL STABILITY CLASS
Generic/Cond Desc.:	Air Stability at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	STABI
Engr Units Conversion:	Telemetry from Meteorological Tower
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	0.700E+01
Zero Point Reference:	COMPLX
Reference Point Notes:	Zero means dTemp average was out-of-range.
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Weighted-average of 2 Met Tower inputs
Sensor Locations:	Met Tower @ 10.2 and 103.2 above base
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A, need ≥ 2 inputs for GOOD
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc.:	The two differential temperature inputs are equally weighted in the average. The dTemp range is -5 to +10 DEG C/100M. The Met tower base is located 1400' NE of reactor complex & 20' above mean sea level