

PHILADELPHIA ELECTRIC COMPANY

NUCLEAR GROUP HEADQUARTERS

955-65 CHESTERBROOK BLVD.

WAYNE, PA 19087-5691

(215) 640-6000

NUCLEAR ENGINEERING & SERVICES DEPARTMENT

February 19, 1992

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NPF-85

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

SUBJECT: Peach Bottom Atomic Power Station, Units 2 and 3
Limerick Generating Station, Units 1 and 2
Completion of Survey and Data Point Library
Reference File

REFERENCE: (1) Letter from J. R. Jolicoeur (USNRC) to
P. B. Blackiston (PECo), dated June 5, 1990

Dear Sir:

In response to the Reference 1 letter, attached is a copy of a completed survey and data point library reference file for Peach Bottom Atomic Station, Units 2 and 3, and Limerick Generating Station, Units 1 and 2. It is our understanding that this information will be used in the implementation of the PECo specific Emergency Response Data System (ERDS) interface and data base.

If you have any questions, please contact us.

Very truly yours,



G. J. Beck, Manager
Licensing Section

Attachment or Enclosure

cc: T. T. Martin, Administrator, Region I, USNRC
J. J. Lyash, USNRC Senior Resident Inspector, PBAPS
T. J. Kenny, USNRC Senior Resident Inspector, LGS

9203030317 920219
PDR ADOCK 05000277
F PDR

AO 26 11

bcc: R. A. Burricelli, Public Service Electric & Gas
T. M. Gerusky, Commonwealth of Pennsylvania
R. I. McLean, State of Maryland
H. C. Schwemm, Atlantic Electric
C. D. Schaefer, Delmarva Power & Light Company
D. M. Smith - 52C-7
D. B. Miller, Jr. - PB, SMO-1
G. M. Leitch - LGS, SMB1-1
D. R. Helwig - 63C-1
K. P. Powers - PB, A4-1S
J. B. Cotton - 53A-1
R. N. Charles - 51A-1
V. W. Cwietniewicz - LGS, LTC1-1
J. A. Basilio/TRL - 52A-5
A. A. Fulvio - PB, A4-1S
A. E. Daugherty - PB,
A. R. Diederich - 62A-3
R. M. Krich - 52A-5
G. J. Madsen - LGS, SSB3-4
A. D. Dycus/ISEG - PB, A3-1S
ISEG - LGS, SMB3-2
C. J. McDermott - MO, S13-1
J. T. Robb - 62C-3
J. W. Austin - PB, A4-4N
J. D'Aulerio - 51B-1
F. J. Ginfrieda - TSC2-2
C. J. Olenick - A4-4N
M. A. Olivera - 51B-1
W. T. Curry - 51B-1
N. Yost - PB
Commitment Coordinator - 52A-5
Correspondence Control Desk - 61B-3
Document Administration Center (DAC) - 61B-5

I. Contacts

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

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

Kiet B. Tieu
Philadelphia Electric Company
955 Chesterbrook Blvd. - 51B-1
Wayne, PA 19087

Title: Computer Engineer
Phone: (215) 640-6958

B. Computer Hardware Specialist(s):

SAME

C. Systems Software Specialist(s):

SAME

D. Application-level Software Specialist(s):

SAME

E. Telephone Systems Specialist(s):

SAME

III. Selection Of Data Feeders

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

One Data Feeder

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.

N/A

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

N/A

IV. Data Feeder Information

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 words forming it.

EPDS

Emergency Preparedness Data System

- b. Is this the site time determining feeder?

Yes

- c. What is the update frequency of this feeder (in seconds)?

30 seconds

2. Hardware/Software Environment

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

IBM Model 8595 - OKD

- b. Identify the operating system.

OS/2 Version 1.3

- c. What method of timekeeping is 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 rate 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 not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

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

YES

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

N/A

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

Solely by EPDS

4. Data Feeder Physical Environment and Management

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

Computer Room in ADMIN Building

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?

8 Hours

DATA POINT LIBRARY REFERENCE FILE

Date:	01/13/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	H004
Plant Spec Point Desc:	A RX PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEMS PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=1040 HIHI=1055 LO=915 LOLO=870
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	NOTE: LO AND LOLO ALARMS ARE APPLICABLE IN RUN MODE ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	H005
Plant Spec Point Desc:	B. RX PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=1040 HIHI=1055 LO=915 LOLO=870
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	NOTE: LO AND LOLO ALARMS ARE APPLICABLE IN RUN MODE ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	SPDS0201
Plant Spec Point Desc:	AVG RPV LVL COMPENSATED
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	-----
Minimum Instr Range:	-325
Maximum Instr Range:	371
Zero Point Reference:	TNKBOT
Reference Point Notes:	538" ABOVE VESSEL INVERT
PROC or SENS:	P
Number of Sensors:	6
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	COMPLX
Alarm/Trip Set Points:	HIHI=45" HI=29" LO=17"
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	YES
Level Reference Leg:	WET
Unique System Desc.:	THIS RANGE SELECTED AVERAGE SELECTS THE MOST ACCURATE HEALTHY LEVEL SIGNAL FOR DISPLAY. NORMALLY, NARROW RANGE (0" - 60") RX WATER LEVEL IS DISPLAYED. IF RX WATER LEVEL IS OUTSIDE THIS RANGE OR IF THE TRANSMITTER

FAILS, THEN WIDE RANGE (-175" - 60") RX WATER LEVEL IS DISPLAYED. IF LEVEL IS OUTSIDE THIS RANGE OR IF BOTH WIDE RANGE TRANSMITTERS FAIL, THEN ACTIVE FUEL ZONE (-325" - 60") RX WATER LEVEL IS DISPLAYED. IF LEVEL IS OUTSIDE THIS RANGE OR IF BOTH FUEL ZONE LEVEL TRANSMITTERS FAIL, THEN SHUTDOWN RANGE (-21" - 371") RX WATER LEVEL IS DISPLAYED. TOP OF SHROUD IS -95.4" INDICATED LEVEL. TOP OF ACTIVE FUEL IS -177.7" INDICATED LEVEL. BOTTOM OF ACTIVE FUEL IS -321.7" INDICATED LEVEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	SPDS1293
Plant Spec Point Desc:	TOTAL F/W FLO
Generic/Cond Desc.:	FEEDWATER FLOW INTO THE REACTOR SYSTEM
Analog/Digital:	A
Engr Units/Dig States:	M#/HR
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	21
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	SUM
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE SUM OF THE INDIVIDUAL REACTOR FEEDPUMP DISCHARGE FLOWS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	SPDS0200
Plant Spec Point Desc:	AVG NON-BYPASSED APRM PWR
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS. POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	% PWR
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	12
How Processed:	SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HIHI=RECIRC FLO BIASED SET POINT
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT DISPLAYS THE AVERAGE OF THE AVERAGE POWER RANGE MONITOR CHANNELS A THRU F. ANY CHANNEL THAT IS BYPASSED IS EXCLUDED FROM THE DISPLAYED AVERAGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURCE RNG
Point ID:	SPDS0222
Plant Spec Point Desc:	AVG INSERTED SRM COUNT RATE
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CT/SEC
Engr Units Conversion:	-----
Minimum Instr Range:	10^{-1}
Maximum Instr Range:	10^6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	8
How Processed:	SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	SPDS HEALTHY AVERAGE OF H018 - H021 (SOURCE RANGE CHANNELS A - D).

HOWEVER, ANY SRM THAT IS NOT INSERTED
IS REMOVED FROM THE HEALTHY AVERAGE.
IF ANY OF THE DIGITAL POINTS H026 AND
H029 (SRM PROBE POSITION A-D) ARE
EQUAL TO 0, THEN THAT SRM IS NOT
INSERTED AND CORRESPONDING SRM CHANNEL
IS ELIMINATED FROM THE HEALTH AVERAGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC FLOW
Point ID:	H054
Plant Spec Point Desc:	RCIC FLO
Generic/Cond Desc.:	REACTOR CORE ISOLATION COOLING FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	----
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	-----

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/2
NRC ERDS Parameter:	HPCI FLOW
Point ID:	H053
Plant Spec Point Desc:	HPCI FLO
Generic/Cond Desc.:	HIGH PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	6000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	-----

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	H055
Plant Spec Point Desc:	A CS LOOP FLO
Generic/Cond Desc.:	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	8000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE COMBINED FLOW OF CORE SPRAY PUMP 2AP37 AND 2CP37.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	H056
Plant Spec Point Desc:	B CS LOOP FLO
Generic/Cond Desc.:	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	8000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE COMBINED FLOW OF CORE SPRAY PUMP 2BP37 AND 2DP37.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	LPC1 FLOW
Point ID:	SPDS1274
Plant Spec Point Desc:	LPCI LOOP A FLOW
Generic/Cond Desc.:	LOW PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	SUBTRACTION
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT SUBTRACTS THE A RHR TEST/SPRAY FLOW FROM THE A RHR LOOP FLOW TO OBTAIN A LPCI FLOW. IF RHR LOOP A INBOARD ISOLATION VALVE MO-25A IS CLOSED THEN THIS POINT IS SET TO 0 GPM.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	SPDS1275
Plant Spec Point Desc:	LPCI LOOP B FLOW
Generic/Cond Desc.:	LOW PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	SUBTRACTION
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT SUBTRACTS THE B RHR TEST/SPRAY FLOW FROM THE B RHR LOOP FLOW TO OBTAIN B LPCI FLOW. IF RHR LOOP B INBOARD ISOLATION VALVE MO-25B IS CLOSED THEN THIS POINT IS SET TO 0 GPM.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	CST LEVEL
Point ID:	H050
Plant Spec Point Desc:	CST LVL
Generic/Cond Desc.:	CONDENSATE STORAGE TANK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	1FT = 5287.5 GALS
Minimum Instr Range:	0
Maximum Instr Range:	42
Zero Point Reference:	TNKBOT
Reference Point Notes:	0 FT=TNK BOTTOM
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	185" BELOW TNK BOTTOM
Alarm/Trip Set Points:	LOLO LEVEL AT 6 FT
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	TOTAL USABLE VOLUME OF THIS TANK IS 200,000 GALLONS WHICH IS 37.8 FT

INDICATED CST LEVEL. THE RCIC AND HPCI
PUMP'S SUCTION VALVES TRANSFER PUMP
SUCTION FROM THE CST TO TORUS AT 5.6 FEET
INDICATED CST LEVEL. THE CST CAN BE CROSS
CONNECTED TO THE REFUELING WATER STORAGE
TANK (450,000 GALS) AND/OR THE UNIT 3 CST
(200,000 GALS).

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW PRESS
Point ID:	SPDS0202
Plant Spec Point Desc:	AVE D/W PRESS RANGE SELECTED
Generic/Cond Desc.:	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	-----
Minimum Instr Range:	-2
Maximum Instr Range:	225
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	6
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.75 HIHI=2.0
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS RANGE SELECTED HEALTHY AVERAGE NORMALLY DISPLAYS THE OUTPUT OF A NARROW RANGE (-2.0 PSIG - 2.0 PSIG) TRANSMITTER.

IF THE TRANSMITTER FAILS OR D/W PRESSURE
IS ABOVE 2.0 PSIG THEN THE AVERAGE OF TWO
NARROW RANGE (-9.7 PSIG - 10.3 PSIG)
TRANSMITTERS IS DISPLAYED. IF BOTH THESE
TRANSMITTERS FAIL OR D/W PRESSURE IS
GREATER THAN 10.3 PSIG THEN THE OUTPUT OF
A WIDE RANGE (0 PSIG - 70 PSIG)
TRANSMITTER IS DISPLAYED. IF THIS
TRANSMITTER FAILS OR D/W PRESSURE IS
GREATER THAN 70 PSIG THEN THE AVERAGE OF
TWO WIDE RANGE (0 PSIG - 225 PSIG)
TRANSMITTERS IS DISPLAYED.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW TEMP
Point ID:	SPDS1289
Plant Spec Point Desc:	DRYWELL TEMPERATURE BULK AVG
Generic/Cond Desc.:	A DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	-----
Minimum Instr Range:	75
Maximum Instr Range:	550
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors	17
How Processed:	WEIGHTED AVERAGE
Sensor Locations:	210', 195', 170' AND 130' ELEV OF D/W
Alarm/Trip Set Points:	145° F HIGH
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS WEIGHTED AVERAGE IS COMPRISED OF THE FOLLOWING AVERAGES WITH THE WEIGHTS AS INDICATED: AVERAGE OF SIX TE'S MONITORING REACTOR HEAD AREA EXHAUST DUCTS AT 210' ELEV. ASSIGNED A WEIGHT OF 10%. AVERAGE OF FOUR

TE'S MONITORING AMBIENT AT 195' ELEV.
ASSIGNED A WEIGHT OF 2%. AVERAGE OF TWO
TE'S MONITORING AMBIENT AT 170' ELEV.
ASSIGNED A WEIGHT OF 26%. AVERAGE OF FOUR
TE'S MONITORING AMBIENT AT 130' ELEV.
AROUND THE REACTOR RECIRC P'MP MOTORS ASSIGNED
A WEIGHT OF 57%. ONE TE MONITORING AMBIENT
AT 135' ELEV. IN THE CRD AREA ASSIGNED A
WEIGHT OF 5%.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW FD SMP LV
Point ID:	H037
Plant Spec Point Desc:	D/W FLR DRN SUMP LVL
Generic/Cond Desc.:	DRYWELL FLOOR DRAIN SUMP LEVEL
Analog/Digital:	D
Engr Units/Dig States:	ON=HIHI OFF=NORM
Engr Units Conversion:	HIHI=119'4' ELEV
Minimum Instr Range:	-----
Maximum Instr Range:	-----
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	D/W FLOOR DRAIN SUMP
Alarm/Trip Set Points:	HIHI=119'4'ELEV
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THE SENSOR FOR THIS POINT OPERATES THE D/W FLOOR SUMP PUMPS AND INITIATES A HIHI ALARM. AT 119' ELEV., FIRST SUMP PUMP IS STARTED. AT 119' 4", THE SECOND SUMP PUMP IS STARTED AND THE HIHI ALARM IS INITIATED. FLOOR ELEV. IS 119' 11' AND SUMP BOTTOM ELEV IS 117' 3".

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	SPDS1278
Plant Spec Point Desc:	AVG DRYWELL CAD HYDROGEN
Generic/Cond Desc.:	DRYWELL HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% H2
Lngr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	20
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.5% HIHI=5.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD DRYWELL HYDROGEN SENSORS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONG
Point ID:	SPDS1276
Plant Spec Point Desc:	AVG TORUS CAD HYDROGEN
Generic/Cond Desc.:	TORUS HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% H2
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	20
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.5% HIHI=5.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE OF TWO CAD TORUS AIRSPACE HYDROGEN SENSORS

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	02 CONC
Point ID:	SPDS1279
Plant Spec Point Desc:	AVG DRYWELL CAD OXYGEN
Generic/Cond Desc.:	DRYWELL OXYGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% 02
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=4.0% HIHI=6.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD DRYWELL OXYGEN SENSORS,

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	02 CONC
Point ID:	SPDS1277
Plant Spec Point Desc:	AVG TORUS CAD OXYGEN
Generic/Cond Desc.:	TORUS OXYGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% 02
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=4.0% HIHI=6.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD TORUS AIRSPACE OXYGEN SENSORS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
N&C ERDS Parameter:	SP TEMP
Point ID:	SPDS0030
Plant Spec Point Desc:	AVG TORUS TEMP
Generic/Cond Desc.:	SUPPRESSION POOL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	-----
Minimum Instr Range:	30
Maximum Instr Range:	230
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	26
How Processed:	AVERAGE
Sensor Locations:	97 FT ELEV
Alarm/Trip Set Points:	HI=95°F HIHI=110°F
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE AVERAGE OF 26 RESISTANCE TEMPERATURE DETECTORS THAT ARE EVENLY SPACED AROUND THE INSIDE RADIUS OF THE TORUS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	SP LEVEL
Point ID:	SPDS0223
Plant Spec Point Desc:	AVG TORUS LVL NR OR WR
Generic/Cond Desc.:	SUPPRESSION POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	21
Zero Point Reference:	TNKBOT
Reference Point Notes:	1FT INDICATED=1FT ABOVE TORUS BOTTOM
PROC or SENS:	P
Number of Sensors:	4
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	110 FT ELEV (TORUS)
Alarm/Trip Set Points:	LOW LEVEL AT 14.6FT
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO NARROW RANGE (13.7 FT - 15.7 FT) TRANSMITTERS. IF BOTH NARROW RANGE TRANSMITTERS FAIL OR IF TORUS LEVEL IS ABOVE 15.7 FT OR BELOW 13.7 FT, THEN THE DISPLAYED VALUE IS THE AVERAGE OF TWO WIDE RANGE (1.0 FT - 21.0 FT) TRANSMITTERS.

DATA POINT LIBRARY REFERENCE FILE

Date: 01/14/92
 Reactor Unit: PE2
 Data Feeder: N/A
 NRC ERDS Parameter: MN STEAM RAD
 Point ID: D524
 Plant Spec Point Desc: A1 CH ISL HI RAD
 Generic/Cond Desc.: RADIATION LEVEL OF THE MAIN STEAM LINE
 Analog/Digital: D
 Engr Units/Dig States: ON=TRIP OFF=RESET
 Engr Units Conversion: -----
 Minimum Instr Range: 1.0 MR/HR
 Maximum Instr Range: 1×10^6 MR/HR
 Zero Point Reference: -----
 Reference Point Notes: -----
 PROC or SENS: S
 Number of Sensors: 1
 How Processed: -----
 Sensor Locations: MN STM TUNNEL 155FT NEAR OUTOARD MSIV'S
 Alarm/Trip Set Points: 1.5 X FULL PWR BACKGROUND
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Leg: -----
 Unique System Desc.: MAIN STEAM HI RAD A1. TRIP INDICATED RAD
 LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5
 TIMES NORMAL FULL POWER BACKGROUND. PART OF
 2 OUT OF 4 LOGIC THAT CLOSES THE INBOARD AND
 OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D525
Plant Spec Point Desc:	B1 CH MSL HI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1 X 10 ⁶ MR/HR
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL POWER BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD B1. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSSES INBOARD AND OUTBOARD MSIV'S

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Print ID:	D526
Plant Spec Point Desc:	A2 CH MSL HI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1X10 ⁶ MR/HR
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL PWR BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD A2. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSSES INBOARD AND OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC EFDS Parameter:	MN STEAM RAD
Point ID:	D52,
Plant Spec Point Desc:	B2 CH MSL HI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1 X 10 ⁰ MR/HR
Zero Point Reference:	-----
Referenc Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STEAM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL POWER BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD B2. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSSES INBOARD AND OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	TO81
Plant Spec Point Desc:	D/W HI RAD CH 1~
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135F. ELEV. DRYWELL HI RAD CHANNEL 1.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	T061
Plant Spec Point Desc:	D/W HI RAD CH 2
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135FT ELEV. DRYWELL HI RAD CHANNEL 2.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	TO62
Plant Spec Point Desc:	D/W HI RAD CH 3
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135 FT ELEV. DRYWELL HI RAD CHANNEL 3.

DATA POINT LIBRARY REFERENCE FILE

Date: 01/14/92
 Reactor Unit: PE2
 Data Feeder: N/A
 NRC ERDS Parameter: DW RAD
 Point ID: T063
 Plant Spec Point Desc: D/W HI RAD CH 4
 Generic/Cond Desc.: RADIATION LEVEL IN THE DRYWELL
 Analog/Digital: A
 Engr Units/Dig States: REM/HR
 Engr Units Conversion: -----
 Minimum Instr Range: 1
 Maximum Instr Range: 10⁸
 Zero Point Reference: -----
 Reference Point Notes: -----
 PROC or SENS: S
 Number of Sensors: 1
 How Processed: -----
 Sensor Locations: -----
 Alarm/Trip Set Points: H1=400REM/HR H1H1=4000 REM/HR
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Leg: -----
 Unique System Desc.: MONITORS D/W RADIATION AT 135 FT ELEV.
 DRYWELL HI RAD CHANNEL 4.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	M002
Plant Spec Point Desc:	OG RAD (SJAE DISCH)
Generic/Cond Desc.:	CONDENSER AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁶
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	OFF GAS SAMPLE PIPE 20T4T
Alarm/Trip Set Points:	HI=100 MR/HR HIHI=700 MR/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS RADIOACTIVITY OF STEAM JET AIR EJECTORS DISCHARGE PRIOR TO ENTERING OFF-GAS RECOMBINER AND HOLDUP.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	SPDS1287
Plant Spec Point Desc:	AVG MAIN STACK RAD - NR OR WR
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	-----
Minimum Instr Range:	1.0
Maximum Instr Range:	1×10^{12}
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	NEAR TOP OF MAIN STACK
Alarm/Trip Set Points:	HI=300 CPS HIHI=5300 CPS
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE MAIN STACK RAD NARROW RANGE OR WIDE RANGE. THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO LOW RANGE (.1 CPS - 10^6 CPS) RADIATION MONITORS. IF BOTH LOW RANGE

MONITORS FAIL OR IF MAIN STACK
RAD LEVEL EXCEEDS 10^6 CPS, THEN
THE DISPLAYED VALUE IS FROM A HIGH
RANGE (10^5 CPS - 10^{11} CPS)
RADIATION MONITOR. A SAMPLE OF
MAIN STACK DISCHARGE IS DRAWN FROM
AN ISOKINETIC PROBE LOCATED NEAR
THE TOP OF THE MAIN STACK.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	SPDS1288
Plant Spec Point Desc:	AVG VENT STACK RAD - NR or WR
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CDM
Engr Units Conversion:	-----
Minimum Instr Range:	10
Maximum Instr Range:	1×10^{14}
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	NEAR TOP OF VENT STACK
Alarm/Trip Set Points:	HIHI=100,000 CPM
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE ROOF VENT STACK NR OR WR. THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO LOW RANGE (10^0 CPM - 10^8 CPM) RADIATION MONITORS. IF BOTH LOW

RANGE MONITORS FAIL OR IF VENT
STACK RAD LEVEL EXCEEDS 10^8 CPM,
THEN THE DISPLAYED VALUE IS FROM A
HIGH RANGE (10^7 CPM - 10^{13} CPM)
RADIATION MONITOR. A SAMPLE OF
VENT STACK DISCHARGE IS DRAWN FROM
ISOKINETIC NOZZLES LOCATED NEAR
THE TOP OF THE VENT STACK.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	M004
Plant Spec Point Desc:	RADWASTE LIQ EFFLUENT RAD
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUIDS
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	-----
Minimum Instr Range:	10 ¹
Maximum Instr Range:	10 ⁶
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	RADWASTE DISPOSAL DISCHARGE LINE
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	RADWASTE LIQUID EFFLUENT RAD MONITORS RADWASTE DISCHARGE RADIATION LEVEL TO DISCHARGE CANAL. CLOSSES DISCHARGE ISOLATION VALVE ON HIGH RAD LEVEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	R007
Plant Spec Point Desc:	TOWER 2 WIND SPEED 320'
Generic/Cond Desc.:	WIND SPEED AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	TOWER 2 320 FT ELEV.
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	TOWER 2 WIND SPEED AT 320' ELEV.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	R006
Plant Spec Point Desc:	TOWER 2 WIND DIR 320'
Generic/Cond Desc.:	WIND DIRECTION AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	IF GREATER THAN 360 SUBTRACT 360 FOR DIR
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	TOWER 2 320 FT ELEV.
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	TOWER 2 WIND DIRECTION AT 320' ELEV.

DATA POINT LIBRARY REFERENCE FILE

Date: 1/17/92

Reactor Unit: PE2

Data Feeder: N/A

NRC ERDS Parameter: STAB CLASS

Point ID: RO08

Plant Spec Point Desc: TOWER 2 SIGMA THETA 320'

Generic/Cond Desc.: AIR STABILITY AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEG

Engr Units Conversion: -----

Minimum Instr Range: 0

Maximum Instr Range: 99

Zero Point Reference: -----

Reference Point Notes: -----

PROC or SENS: S

Number of Sensors: 1

How Processed: -----

Sensor Locations: TOWER 2 320 FT. ELEV.

Alarm/Trip Set Points: -----

NI Detector Power Supply
Cut-off Power Level: -----

NI Detector Power Supply
Turn-on Power Level: -----

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters: -----

Level Reference Leg: -----

Unique System Desc.: TOWER 2 SIGMA THETA AT 320' ELEV.
THIS POINT DISPLAYS THE MEAN
DEVIATION OF TOWER 2 WIND
DIRECTION AT 320 FT. ELEV. OVER
THE PRECEDING 15 MINUTES.

I. Contacts

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

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

Kiet B. Tieu
Philadelphia Electric Company
955 Chesterbrook Blvd. - 51B-1
Wayne, PA 19087

Title: Computer Engineer
Phone: (215) 640-6958

B. Computer Hardware Specialist(s):

SAME

C. Systems Software Specialist(s):

SAME

D. Application-level Software Specialist(s):

SAME

E. Telephone Systems Specialist(s):

SAME

III. Selection Of Data Feeders

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

One Data Feeder

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.

N/A

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

N/A

IV. Data Feeder Information

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 words forming it.

EPDS

Emergency Preparedness Data System

- b. Is this the site time determining feeder?

Yes

- c. What is the update frequency of this feeder (in seconds)?

30 seconds

2. Hardware/Software Environment

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

IBM Model 8595 - OKD

- b. Identify the operating system.

OS/2 Version 1.3

- c. What method of timekeeping is 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 rate 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 not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

- g. Do any ports currently exist for the ERDS linkup?

YES

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

N/A

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

Solely by EPDS

4. Data Feeder Physical Environment and Management

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

Computer Room in ADMIN Building

- 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?

8 Hours

DATA POINT LIBRARY REFERENCE FILE

Date:	01/13/92
Reactor Unit:	PE3
Data Encoder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	H304
Plant Spec Point Desc:	A RX PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEMS PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	---
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=1040 HIHI=1055 LO=915 LOLO=870
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	NOTE: LO AND LOLO ALARMS ARE APPLICABLE IN RUN MODE ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	H305
Plant Spec Point Desc:	B. RX PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=1040 HIHI=1055 LO=915 LOLO=870
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	NOTE: LO AND LOLO ALARMS ARE APPLICABLE IN RUN MODE ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	SPDS0501
Plant Spec Point Desc:	AVG RPV LVL COMPENSATED
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	-----
Minimum Instr Range:	-325
Maximum Instr Range:	371
Zero Point Reference:	TNKBOT
Reference Point Notes:	538" ABOVE VESSEL INVERT
PROC or SENS:	P
Number of Sensors:	6
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	COMPLX
Alarm/Trip Set Points:	HIHI=45" HI=29" LO=17"
VI Detector Power Supply Cut-off Power Level:	-----
VI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	YES
Level Reference Leg:	WET
Unique System Desc.:	THIS RANGE SELECTED AVERAGE SELECTS THE MOST ACCURATE HEALTHY LEVEL SIGNAL FOR DISPLAY. NORMALLY, NARROW RANGE (0" - 60") RX WATER LEVEL IS DISPLAYED. IF RX WATER LEVEL IS OUTSIDE THIS RANGE OR IF THE TRANSMITTER

FAILS, THEN WIDE RANGE (-175" - 60") RX WATER LEVEL IS DISPLAYED. IF LEVEL IS OUTSIDE THIS RANGE OR IF BOTH WIDE RANGE TRANSMITTERS FAIL, THEN ACTIVE FUEL ZONE (-325" - 60") RX WATER LEVEL IS DISPLAYED. IF LEVEL IS OUTSIDE THIS RANGE OR IF BOTH FUEL ZONE LEVEL TRANSMITTERS FAIL, THEN SHUTDOWN RANGE (-21" - 371") RX WATER LEVEL IS DISPLAYED. TOP OF SHROUD IS -95.4" INDICATED LEVEL. TOP OF ACTIVE FUEL IS -177.7" INDICATED LEVEL. BOTTOM OF ACTIVE FUEL IS -321.7" INDICATED LEVEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	SPDS1593
Plant Spec Point Desc:	TOTAL F/W FLO
Generic/Cond Desc.:	FEEDWATER FLOW INTO THE REACTOR SYSTEM
Analog/Digital:	A
Engr Units/Dig States:	M#/HR
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	21
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	SUM
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE SUM OF THE INDIVIDUAL REACTOR FEEDPUMP DISCHARGE FLOWS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	SPDS0500
Plant Spec Point Desc:	AVG NON-BYPASSED APRM PWR
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS. POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	% PWR
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	12
How Processed:	SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HIHI=RECIRC FLO BIASED SET POINT
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT DISPLAYS THE AVERAGE OF THE AVERAGE POWER RANGE MONITOR CHANNELS A THRU F. ANY CHANNEL THAT IS BYPASSED IS EXCLUDED FROM THE DISPLAYED AVERAGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURCE RNG
Point ID:	SPDS0522
Plant Spec Point Desc:	AVG INSERTED SRM COUNT RATE
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS, SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CT/SEC
Engr Units Conversion:	-----
Minimum Instr Range:	10^{-1}
Maximum Instr Range:	10^6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	8
How Processed:	SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	SPDS HEALTHY AVERAGE OF H018 - H021 (SOURCE RANGE CHANNELS A - D).

HOWEVER, ANY SRM THAT IS NOT INSERTED
IS REMOVED FROM THE HEALTHY AVERAGE.
IF ANY OF THE DIGITAL POINTS H026 AND
H029 (SRM PROBE POSITION A-D) ARE
EQUAL TO 0, THEN THAT SRM IS NOT
INSERTED AND CORRESPONDING SRM CHANNEL
IS ELIMINATED FROM THE HEALTH AVERAGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC FLOW
Point ID:	H354
Plant Spec Point Desc:	RCIC FLO
Generic/Cond Desc.:	REACTOR CORE ISOLATION COOLING FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	-----

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/2
NRC ERDS Parameter:	HPCI FLOW
Point ID:	H353
Plant Spec Point Desc:	HPCI FLO
Generic/Cond Desc.:	HIGH PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	6000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	-----

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	H355
Plant Spec Point Desc:	A CS LOOP FLO
Generic/Cond Desc.:	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	8000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE COMBINED FLOW OF CORE SPRAY PUMP 2AP37 AND 2CP37.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	FE3
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	H356
Plant Spec Point Desc:	B CS LOOP FLO
Generic/Cond Desc.:	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	8000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE COMBINED FLOW OF CORE SPRAY PUMP 2BP37 AND 2DP37.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	LPC1 FLOW
Point ID:	SPDS1574
Plant Spec Point Desc:	LPCI LOOP A FLOW
Generic/Cond Desc.:	LOW PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	3
Number of Sensors:	3
How Processed:	SUBTRACTION
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT SUBTRACTS THE A RHR TEST/SPRAY FLOW FROM THE A RHR LOOP FLOW TO OBTAIN A LPCI FLOW. IF RHR LOOP A INBOARD ISOLATION VALVE MO-25A IS CLOSED THEN THIS POINT IS SET TO 0 GPM.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	SPDS1575
Plant Spec Point Desc:	LPCI LOOP B FLOW
Generic/Cond Desc.:	LOW PRESSURE COOLING INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25000
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	SUBTRACTION
Sensor Locations:	-----
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT SUBTRACTS THE B RHR TEST/SPRAY FLOW FROM THE B RHR LOOP FLOW TO OBTAIN B LPCI FLOW. IF RHR LOOP B INBOARD ISOLATION VALVE MO-25B IS CLOSED THEN THIS POINT IS SET TO 0 GPM.

DATA POINT LIBRARY REFERENCE FILE

Date: 01/14/92
 Reactor Unit: PE3
 Data Feeder: N/A
 NRC ERDS Parameter: CST LEVEL
 Point ID: H350
 Plant Spec Point Desc: CST LVL
 Generic/Cond Desc.: CONDENSATE STORAGE TANK LEVEL
 Analog/Digital: A
 Engr Units/Dig States: FEET
 Engr Units Conversion: 1FT = 5287.5 GALS
 Minimum Instr Range: 0
 Maximum Instr Range: 42
 Zero Point Reference: TNKBOT
 Reference Point Notes: 0 FT=TNK BOTTOM
 PROC or SENS: S
 Number of Sensors: 1
 How Processed: -----
 Sensor Locations: 185" BELOW TNK BOTTOM
 Alarm/Trip Set Points: LOLO LEVEL AT 6 FT
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Leg: -----
 Unique System Desc.: TOTAL USABLE VOLUME OF THIS TANK IS
 200,000 GALLONS WHICH IS 37.8 FT

INDICATED CST LEVEL. THE RCIC AND HPCI
PUMP'S SUCTION VALVES TRANSFER PUMP
SUCTION FROM THE CST TO TORUS AT 5.6 FEET
INDICATED CST LEVEL. THE CST CAN BE CROSS
CONNECTED TO THE REFUELING WATER STORAGE
TANK (450,000 GALS) AND/OR THE UNIT 3 CST
(200,000 GALS).

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW PRESS
Point ID:	SPDS0502
Plant Spec Point Desc:	AVE D/W PRESS RANGE SELECTED
Generic/Cond Desc.:	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	-----
Minimum Instr Range:	-2
Maximum Instr Range:	225
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	6
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.75 HIHI=2.0
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS RANGE SELECTED HEALTHY AVERAGE NORMALLY DISPLAYS THE OUTPUT OF A NARROW RANGE (-2.0 PSIG - 2.0 PSIG) TRANSMITTER.

IF THE TRANSMITTER FAILS OR D/W PRESSURE IS ABOVE 2.0 PSIG THEN THE AVERAGE OF TWO NARROW RANGE (-9.7 PSIG - 10.3 PSIG) TRANSMITTERS IS DISPLAYED. IF BOTH THESE TRANSMITTERS FAIL OR D/W PRESSURE IS GREATER THAN 10.3 PSIG THEN THE OUTPUT OF A WIDE RANGE (0 PSIG - 70 PSIG) TRANSMITTER IS DISPLAYED. IF THIS TRANSMITTER FAILS OR D/W PRESSURE IS GREATER THAN 70 PSIG THEN THE AVERAGE OF TWO WIDE RANGE (0 PSIG - 225 PSIG) TRANSMITTERS IS DISPLAYED.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW TEMP
Point ID:	SPDS1589
Plant Spec Point Desc:	DRYWELL TEMPERATURE BULK AVG
Generic/Cond Desc.:	A DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	-----
Minimum Instr Range:	75
Maximum Instr Range:	550
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	17
How Processed:	WEIGHTED AVERAGE
Sensor Locations:	210', 195', 170' AND 130' ELEV OF D/W
Alarm/Trip Set Points:	145° F HIGH
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS WEIGHTED AVERAGE IS COMPRISED OF THE FOLLOWING AVERAGES WITH THE WEIGHTS AS INDICATED: AVERAGE OF SIX TE'S MONITORING REACTOR HEAD AREA EXHAUST DUCTS AT 210' ELEV. ASSIGNED A WEIGHT OF 10%. AVERAGE OF FOUR

TE'S MONITORING AMBIENT AT 195' ELEV.
ASSIGNED A WEIGHT OF 2%. AVERAGE OF TWO
TE'S MONITORING AMBIENT AT 170' ELEV.
ASSIGNED A WEIGHT OF 26%. AVERAGE OF FOUR
TE'S MONITORING AMBIENT AT 130' ELEV.
AROUND THE REACTOR RECIRC PUMP MOTORS ASSIGNED
A WEIGHT OF 57%. ONE TE MONITORING AMBIENT
AT 135' ELEV. IN THE CRD AREA ASSIGNED A
WEIGHT OF 5%.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW FD S&P LV
Point ID:	H337
Plant Spec Point Desc:	D/W FLR DRN SUMP LVL
Generic/Cond Desc.:	DRYWELL FLOOR DRAIN SUMP LEVEL
Analog/Digital:	D
Engr Units/Dig States:	ON=HIHI OFF=NORM
Engr Units Conversion:	HIHI=119' 4' ELEV
Minimum Instr Range:	-----
Maximum Instr Range:	-----
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	D/W FLOOR DRAIN SUMP
Alarm/Trip Set Points:	HIHI=119' 4' ELEV
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THE SENSOR FOR THIS POINT OPERATES THE D/W FLOOR SUMP PUMPS AND INITIATES A HIHI ALARM. AT 119' ELEV., FIRST SUMP PUMP IS STARTED. AT 119' 4", THE SECOND SUMP PUMP IS STARTED AND THE HIHI ALARM IS INITIATED. FLOOR ELEV. IS 119' 11' AND SUMP BOTTOM ELEV IS 117' 3".

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	SPDS1578
Plant Spec Point Desc:	AVG DRYWELL CAD HYDROGEN
Generic/Cond Desc.:	DRYWELL HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% H2
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	20
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.5% HIHI=5.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD DRYWELL HYDROGEN SENSORS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONG
Point ID:	SPDS1576
Plant Spec Point Desc:	AVG TORUS CAD HYDROGEN
Generic/Cond Desc.:	TORUS HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% H2
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	20
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=0.5% HIHI=5.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
In-trument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE OF TWO CAD TORUS AIRSPACE HYDROGEN SENSORS

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	O2 CONC
Point ID:	SPDS1579
Plant Spec Point Desc:	AVG DRYWELL CAD OXYGEN
Generic/Cond Desc.:	DRYWELL OXYGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% O2
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	25
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=4.0% HIHI=6.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD DRYWELL OXYGEN SENSORS

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	O2 CONC
Point ID:	SPDS1577
Plant Spec Point Desc:	AVG TORUS CAD OXYGEN
Generic/Cond Desc.:	TORUS OXYGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	% O2
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=4.0% HIHI=6.0%
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGES TWO CAD TORUS AIRSPACE OXYGEN SENSORS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	SF TEMP
Point ID:	SPDS0330
Plant Spec Point Desc:	AVG TORUS TEMP
Generic/Cond Desc.:	SUPPRESSION POOL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	-----
Minimum Instr Range:	30
Maximum Instr Range:	230
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	26
How Processed:	AVERAGE
Sensor Locations:	97 FT ELEV
Alarm/Trip Set Points:	HI=95°F HIHI=110°F
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	-----
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS POINT IS THE AVERAGE OF 26 RESISTANCE TEMPERATURE DETECTORS THAT ARE EVENLY SPACE AROUND THE INSIDE RADIUS OF THE TORUS.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERD3 Parameter:	SP LEVEL
Point ID:	SPDS0523
Plant Spec Point Desc:	AVG TORUS LVL NR OR WR
Generic/Cond Desc	SUPPRESSION POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	21
Zero Point Reference:	TNKBOT
Reference Point Notes:	1FT INDICATED=1FT ABOVE TORUS BOTTOM
PROC or SENS:	P
Number of Sensors:	4
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	110 FT ELEV (TORUS)
Alarm/Trip Set Points:	LOW LEVEL AT 14.6" T
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO NARROW RANGE (13.7 FT - 15.7 FT) TRANSMITTERS. IF BOTH NARROW RANGE TRANSMITTERS FAIL OR IF TORUS LEVEL IS ABOVE 15.7 FT OR BELOW 13.7 FT, THEN THE DISPLAYED VALUE IS THE AVERAGE OF TWO WIDE RANGE (1.0 FT - 21.0 FT) TRANSMITTERS

DATA POINT LIBRARY REFERENCE FILE

Date: 01/14/92
 Reactor Unit: PE3
 Data Feeder: N/A
 NRC ERDS Parameter: MN STEAM RAD
 Point ID: D824
 Plant Spec Point Desc: A1 CH MSL HI RAD
 Generic/Cond Desc.: RADIATION LEVEL OF THE MAIN STEAM LINE
 Analog/Digital: D
 Engr Units/Dig States: ON=TRIP OFF=RESET
 Engr Units Conversion: -----
 Minimum Instr Range: 1.0 MR/HR
 Maximum Instr Range: 1×10^6 MR/HR
 Zero Point Reference: -----
 Reference Point Notes: -----
 PROC or SENS: S
 Number of Sensors: 1
 How Processed: -----
 Sensor Locations: MN STM TUNNEL 155FT NEAR OUTOARD MSIV'S
 Alarm/Trip Set Points: 1.5 X FULL PWR BACKGROUND
 NI Detector Power Supply
 Cut-off Power Level: -----
 NI Detector Power Supply
 Turn-on Power Level: -----
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: -----
 Level Reference Log: -----
 Unique System Desc.: MAIN STEAM HI RAD A1. TRIP INDICATED RAD
 LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5
 TIMES NORMAL FULL POWER BACKGROUND. PART OF
 2 OUT OF 4 LOGIC THAT CLOSSES THE INBOARD AND
 OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D825
Plant Spec Point Desc:	B1 CH MSL HI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1 X 10 ⁶ MR/HR
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL POWER BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD B1. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSSES INBOARD AND OUTBOARD MSIV'S

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D826
Plant Spec Point Desc:	A2 CH MSL EI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1X10 ⁶ MR/HR
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL PWR BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD A2. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSSES INBOARD AND OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	MN STEAM RAD
Point ID:	D827
Plant Spec Point Desc:	B2 CH MSL HI RAD
Generic/Cond Desc.:	RADIATION LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	D
Engr Units/Dig States:	ON=TRIP OFF=RESET
Engr Units Conversion:	-----
Minimum Instr Range:	1.0 MR/HR
Maximum Instr Range:	1 X 10 ⁰ MR/HR
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	MN STEAM TUNNEL 155FT NEAR OUTBOARD MSIV'S
Alarm/Trip Set Points:	1.5 X FULL POWER BACKGROUND
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MAIN STEAM HI RAD B2. TRIP INDICATES RAD LEVEL NEAR MAIN STEAM LINES HAS EXCEEDED 1.5 TIMES NORMAL FULL POWER BACKGROUND. PART OF 2 OUT OF 4 LOGIC THAT CLOSES INBOARD AND OUTBOARD MSIV'S.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	T381
Plant Spec Point Desc:	D/W HI RAD CH 1
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135F. ELEV. DRYWELL HI RAD CHANNEL 1.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	T361
Plant Spec Point Desc:	D/W HI RAD CH 2
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135FT ELEV. DRYWELL HI RAD CHANNEL 2.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	T362
Plant Spec Point Desc:	D/W HI RAD CH 3
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	HI=400 REM/HR HIHI=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135 FT ELEV. DRYWELL HI RAD CHANNEL 3.

DATA POINT LIBRARY REFERENCE FILE

Date:	01/14/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	T353
Plant Spec Point Desc:	D/W HI RAD CH 4
Generic/Cond Desc.:	RADIATION LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States:	REM/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁸
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	-----
Alarm/Trip Set Points:	H1=400REM/HR H1H1=4000 REM/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	MONITORS D/W RADIATION AT 135 FT ELEV. DRYWELL HI RAD CHANNEL 4.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	CND A/E RAD
Point ID:	M302
Plant Spec Point Desc:	OG RAD (SJAE DISCH)
Generic/Cond Desc.:	CONDENSER AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	-----
Minimum Instr Range:	1
Maximum Instr Range:	10 ⁶
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	OFF GAS SAMPLE PIPE 20T4T
Alarm/Trip Set Points:	HI=100 MR/HR HIHI=700 MR/HR
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Lag:	-----
Unique System Desc.:	MONITORS RADIOACTIVITY OF STEAM JET AIR EJECTORS DISCHARGE PRIOR TO ENTERING OFF-GAS RECOMBINER AND HOLDUP.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	SPDS1587
Plant Spec Point Desc:	AVG MAIN STACK RAD - NR OR WR
Generic/Word Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	-----
Minimum Instr Range:	1.0
Maximum Instr Range:	1×10^{12}
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	NEAR TOP OF MAIN STACK
Alarm/Trip Set Points:	HI=300 CPS HIHI=5300 CPS
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE MAIN STACK RAD NARROW RANGE OR WIDE RANGE. THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO LOW RANGE (.1 CPS - 10^6 CPS) RADIATION MONITORS. IF BOTH LOW RANGE

MONITORS FAIL OR IF MAIN STACK
RAD LEVEL EXCEEDS 10^6 CPS, THEN
THE DISPLAYED VALUE IS FROM A HIGH
RANGE (10^5 CPS - 10^{11} CPS)
RADIATION MONITOR. A SAMPLE OF
MAIN STACK DISCHARGE IS DRAWN FROM
AN ISOKINETIC PROBE LOCATED NEAR
THE TOP OF THE MAIN STACK.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	SPDS1588
Plant Spec Point Desc:	AVG VENT STACK RAD - NR or WR
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States:	CDM
Engr Units Conversion:	-----
Minimum Instr Range:	10
Maximum Instr Range:	1×10^{14}
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	P
Number of Sensors:	3
How Processed:	RANGE SELECTED AVERAGE
Sensor Locations:	NEAR TOP OF VENT STACK
Alarm/Trip Set Points:	HIHI=100,000 CPM
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	AVERAGE ROOF VENT STACK NR OR WR. THIS RANGE SELECTED AVERAGE NORMALLY DISPLAYS THE AVERAGE OF TWO LOW RANGE (10^1 CPM - 10^8 CPM) RADIATION MONITORS. IF BOTH LOW

RANGE MONITORS FAIL OR IF VENT
STACK RAD LEVEL EXCEEDS 10^8 CPM,
THEN THE DISPLAYED VALUE IS FROM A
HIGH RANGE (10^7 CPM - 10^{13} CPM)
RADIATION MONITOR. A SAMPLE OF
VENT STACK DISCHARGE IS DRAWN FROM
ISOKINETIC NOZZLES LOCATED NEAR
THE TOP OF THE VENT STACK.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	M304
Plant Spec Point Desc:	RADWASTE LIQ EFFLUENT RAD
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED LIQUIDS
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	-----
Minimum Instr Range:	10 ¹
Maximum Instr Range:	10 ⁶
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
Acc Processed:	-----
Sensor Locations:	RADWASTE DISPOSAL DISCHARGE LINE
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	RADWASTE LIQUID EFFLUENT RAD MONITORS RADWASTE DISCHARGE RADIATION LEVEL TO DISCHARGE CANAL. CLOSSES DISCHARGE ISOLATION VALVE ON HIGH RAD LEVEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	RO07
Plant Spec Point Desc:	TOWER 2 WIND SPEED 320'
Generic/Cond Desc.:	WIND SPEED AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	-----
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	TOWER 2 320 FT ELEV.
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	TOWER 2 WIND SPEED AT 320' ELEV.

DATA POINT LIBRARY REFERENCE FILE

Date:	1/15/92
Reactor Unit:	PE3
Data Feeder:	N/A
NPC ERDS Parameter:	WIND DIR
Point ID:	R006
Plant Spec Point Desc:	TOWER 2 WIND DIR 320'
Generic/Cond Desc.:	WIND DIRECTION AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEG
Engr Units Conversion:	IF GREATER THAN 360 SUBTRACT 360 FOR DIR
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	-----
Reference Point Notes:	-----
PROC or SENS:	S
Number of Sensors:	1
How Processed:	-----
Sensor Locations:	TOWER 2 320 FT ELEV.
Alarm/Trip Set Points:	-----
NI Detector Power Supply Cut-off Power Level:	-----
NI Detector Power Supply Turn-on Power Level:	-----
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	-----
Level Reference Leg:	-----
Unique System Desc.:	TOWER 2 WIND DIRECTION AT 320' ELEV.

DATA POINT LIBRARY REFERENCE FILE

Date: 1/17/92

Reactor Unit: PE3

Data Feeder: N/A

NRC ERDS Parameter: STAB CLASS

Point ID: R008

Plant Spec Point Desc: TOWER 2 SIGMA THETA 320'

Generic/Cond Desc.: AIR STABILITY AT THE REACTOR SITE

Analog/Digital: A

Engr Units/Dig States: DEG

Engr Units Conversion: -----

Minimum Instr Range: 0

Maximum Instr Range: 99

Zero Point Reference: -----

Reference Point Notes: -----

PROC or SENS: S

Number of Sensors: 1

How Processed: -----

Sensor Locations: TOWER 2 320 FT. ELEV.

Alarm/Trip Set Points: -----

NI Detector Power Supply
Cut-off Power Level: -----

NI Detector Power Supply
Turn-on Power Level: -----

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters: -----

Level Reference Leg: -----

Unique System Desc.: TOWER 2 SIGMA THETA AT 320' ELEV.
THIS POINT DISPLAYS THE MEAN
DEVIATION OF TOWER 2 WIND
DIRECTION AT 320 FT. ELEV. OVER
THE PRECEEDING 15 MINUTES.

I. Contacts

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

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

Bruce Eaton
Philadelphia Electric Company
Limerick Generating Station
P. O. Box 2300, MC TSC2-2
Pottstown, PA 19464-0920

Title: Programmer/Analyst
Phone: (215) 327-1200 Ext. 2639

B. Computer Hardware Specialist(s):

SAME

C. Systems Software Specialist(s):

SAME

D. Application-level Software Specialist(s):

SAME

E. Telephone Systems Specialist(s):

SAME

III. Selection Of Data Feeders

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

One Data Feeder

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.

N/A

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

N/A

IV. Data Feeder Information

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 words forming it.

EPDS

Emergency Preparedness Data System

- b. Is this the site time determining feeder?

Yes

- c. What is the update frequency of this feeder (in seconds)?

30 seconds

2. Hardware/Software Environment

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

IBM Model 8595 - OKD

- b. Identify the operating system.

OS/2 Version 1.3

- c. What method of timekeeping is 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 rate of 2400 bps? If not, at what baud rate can it transmit?

YES

- d. Does the operating system support XON/XOFF² 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 not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

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

YES

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

N/A

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

Solely by ERDS

4. Data Feeder Physical Environment and Management

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

TSC Computer Room

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?

8

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter(12 char):	NI POWER RNG
Point ID (12 char):	E1130
Plant Spec Point Desc(40 char):	APRM A FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	E1131
Plant Spec Point Desc(40 char):	APRM B FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	E1106
Plant Spec Point Desc(40 char):	APRM C FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W + 59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	E1107
Plant Spec Point Desc(40 char):	APRM D FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W + 59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Range Unit (LM1 or LM2):	LM1
Data Loader:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
File ID (12 char):	E1108
Point Desc(40 char):	APRM E FLUX
Desc(32 char):	NUCLEAR INSTRUMENTS, POW. RANGE
Unit:	A
g States(12 char):	%
Conversion(40 char):	LINEAR
Min. Range(10 char):	0.0
Maximum Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 9.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	E1132
Plant Spec Point Desc(40 char):	APRM F FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W + 59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOUPC RNG
Point ID (12 char):	E1109
Plant Spec Point Desc(40 char):	A SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1133
Plant Spec Point Desc(40 char):	B SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROU or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1110
Plant Spec Point Desc(40 char):	C SRM COUNT RATE
Generic/Cold Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1134
Plant Spec Point Desc(40 char):	D SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1114
Plant Spec Point Desc(40 char):	A SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1138
Plant Spec Point Desc(40 char):	B SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1115
Plant Spec Point Desc(40 char):	C SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0= FULL IN / 1= NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locaticus(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E1139
Plant Spec Point Desc(40 char):	D SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0= FULL IN / 1= NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

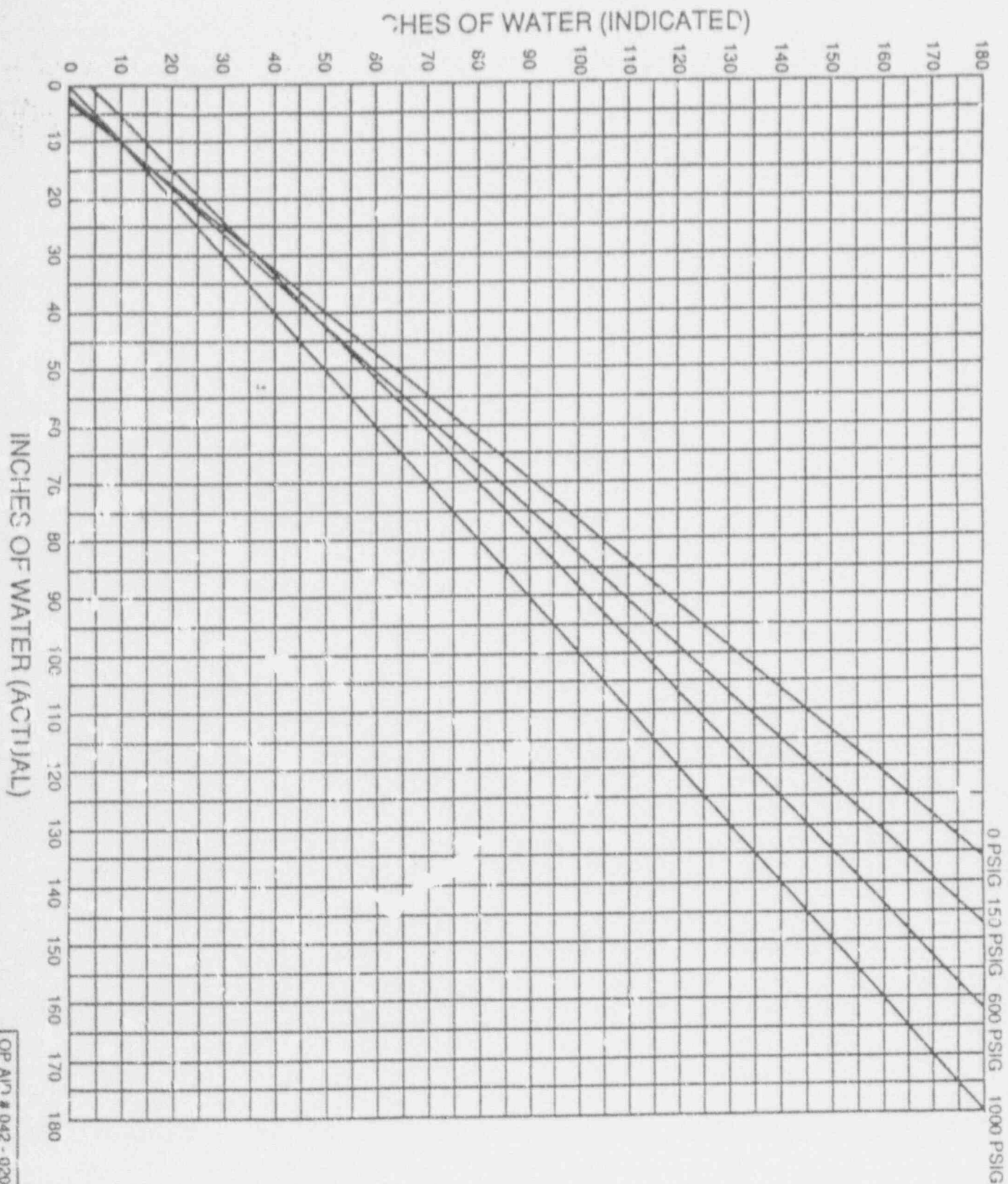
NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1240
Plant Spec Point Desc(40 char):	SHUTDOWN RANGE REACTOR LEVEL
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	370.0
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SHUTDOWN RANGE REACTOR LEVEL IS CALIBRATED FOR 120 DEGF WATER AT 0 PSIG IN VESSEL AND 80 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1239
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR LEVEL
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	180.0
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	UPSET RANGE LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

UPSET RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1419
Plant Spec Point Desc(40 char):	FUEL ZONE RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-350
Maximum Instr Range(10 char):	-100
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	FUEL ZONE RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 0 PSIG IN THE VESSEL AND DRYWELL WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

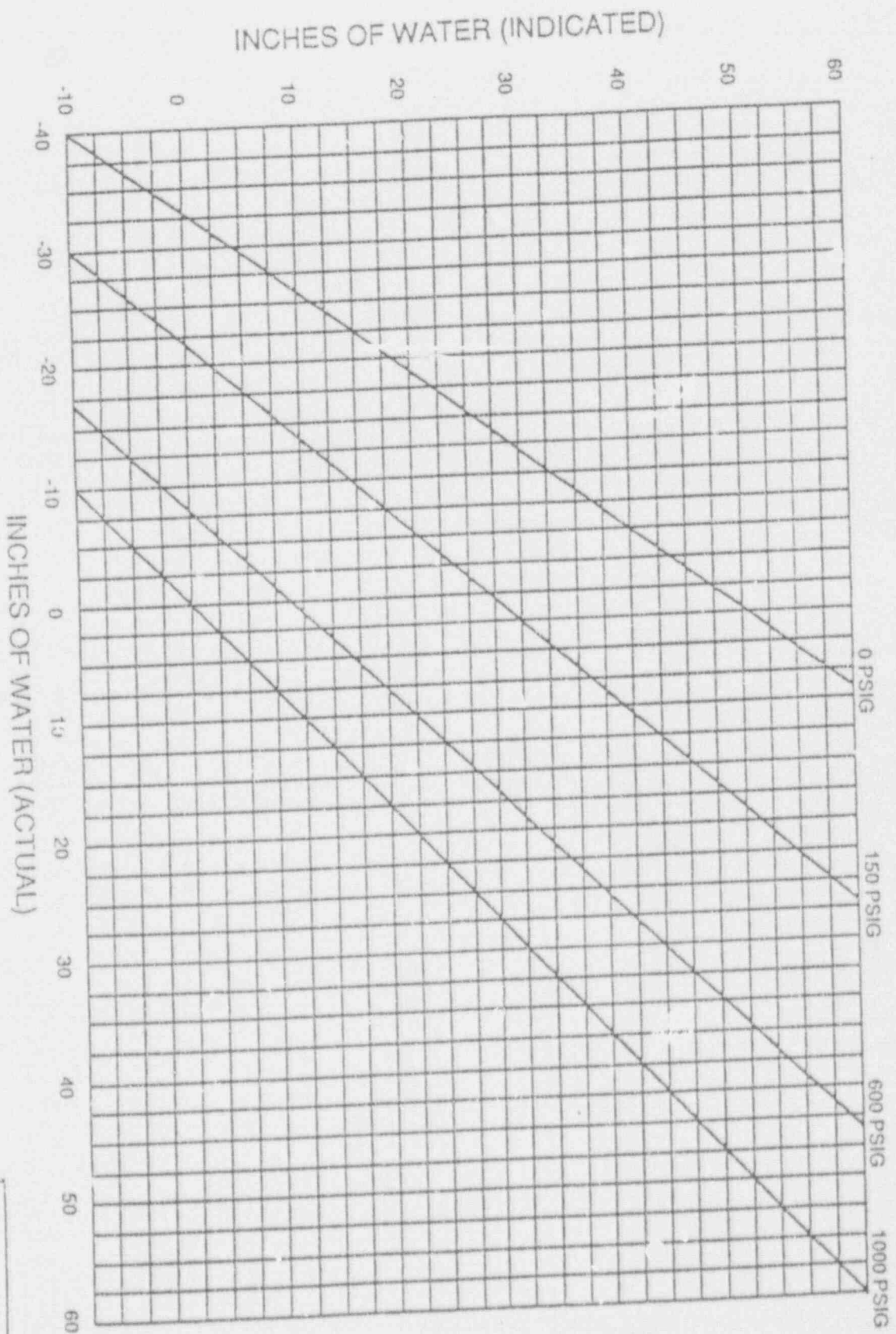
NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1339
Plant Spec Point Desc(40 char):	FUEL ZONE RANGE REACTOR LEVEL A
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-350
Maximum Instr Range(10 char):	-100
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	FUEL ZONE RANGE REACTOR LEVEL 'S CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 0 PSIG IN THE VESSEL AND DRYWELL WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1418
Plant Spec Point Desc(40 char):	WIDE RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-150
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LOW LEVEL ISOLATIONS AT -38" & -129"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	WIDE RANGE REACTOR LEVEL IS CALIBRATED FOR 1000 PSIG IN THE VESSEL, 135 DEGF IN THE DRYWELL AND 20 BTU/LB SUBCOOLING BELOW THE MIDDLE WATER LEVEL NOZZLE AND SATURATED CONDITIONS ABOVE THE MIDDLE WATER LEVEL NOZZLE WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161".

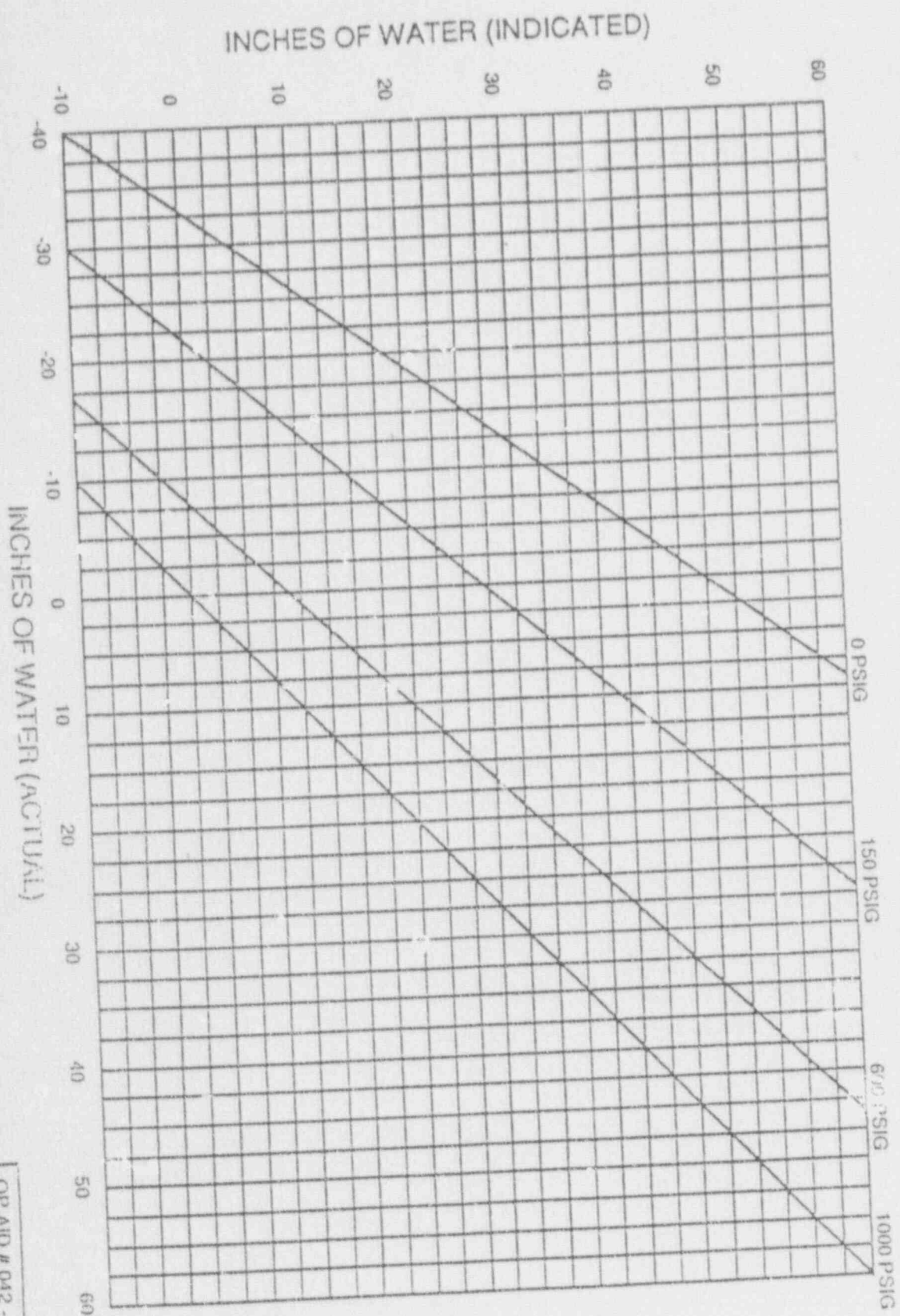
WIDE RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1338
Plant Spec Point Desc(40 char):	WIDE RANGE REACTOR LEVEL A
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-150
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LOW LEVEL ISOLATIONS AT -38" & -129"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	WIDE RANGE REACTOR LEVEL IS CALIBRATED FOR 1000 PSIG IN THE VESSEL, 135 DEGF IN THE DRYWELL, AND 20 BTU/LB SUBCOOLING BELOW THE MIDDLE WATER LEVEL NOZZLE AND SATURATED CONDITIONS ABOVE THE MIDDLE WATER LEVEL NOZZLE WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161".

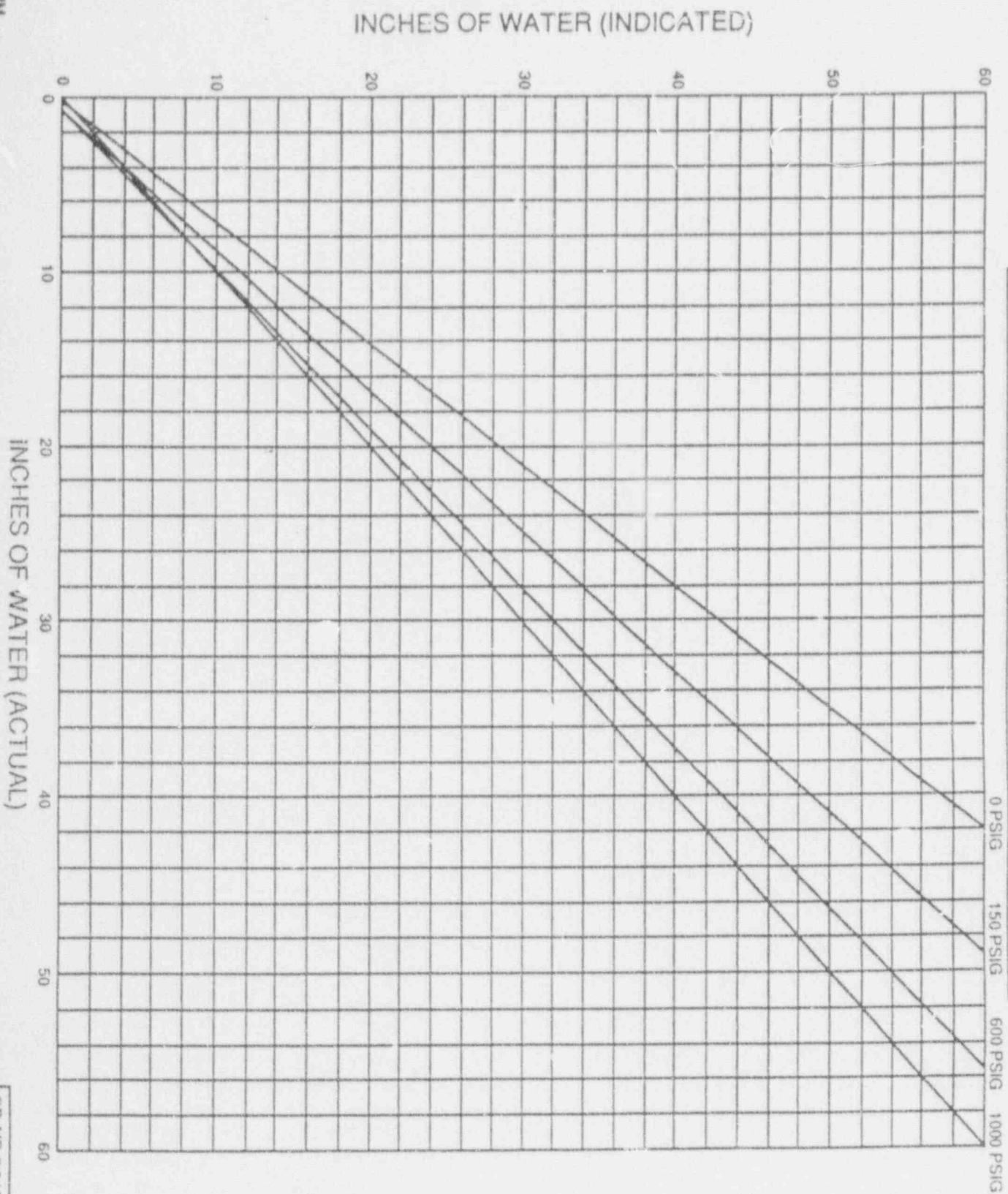
WIDE RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1238
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL C
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

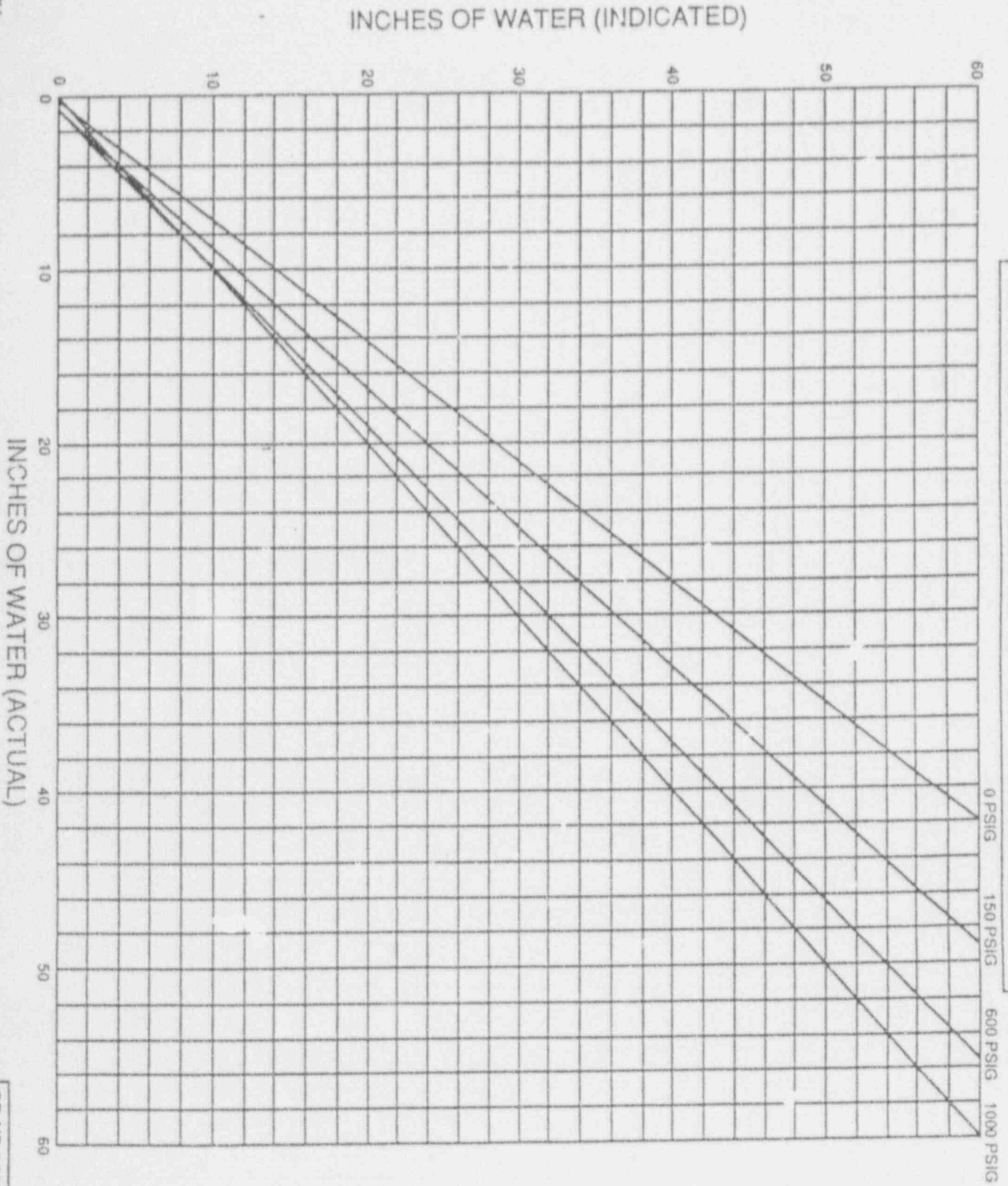
NARROW RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1237
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @35"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

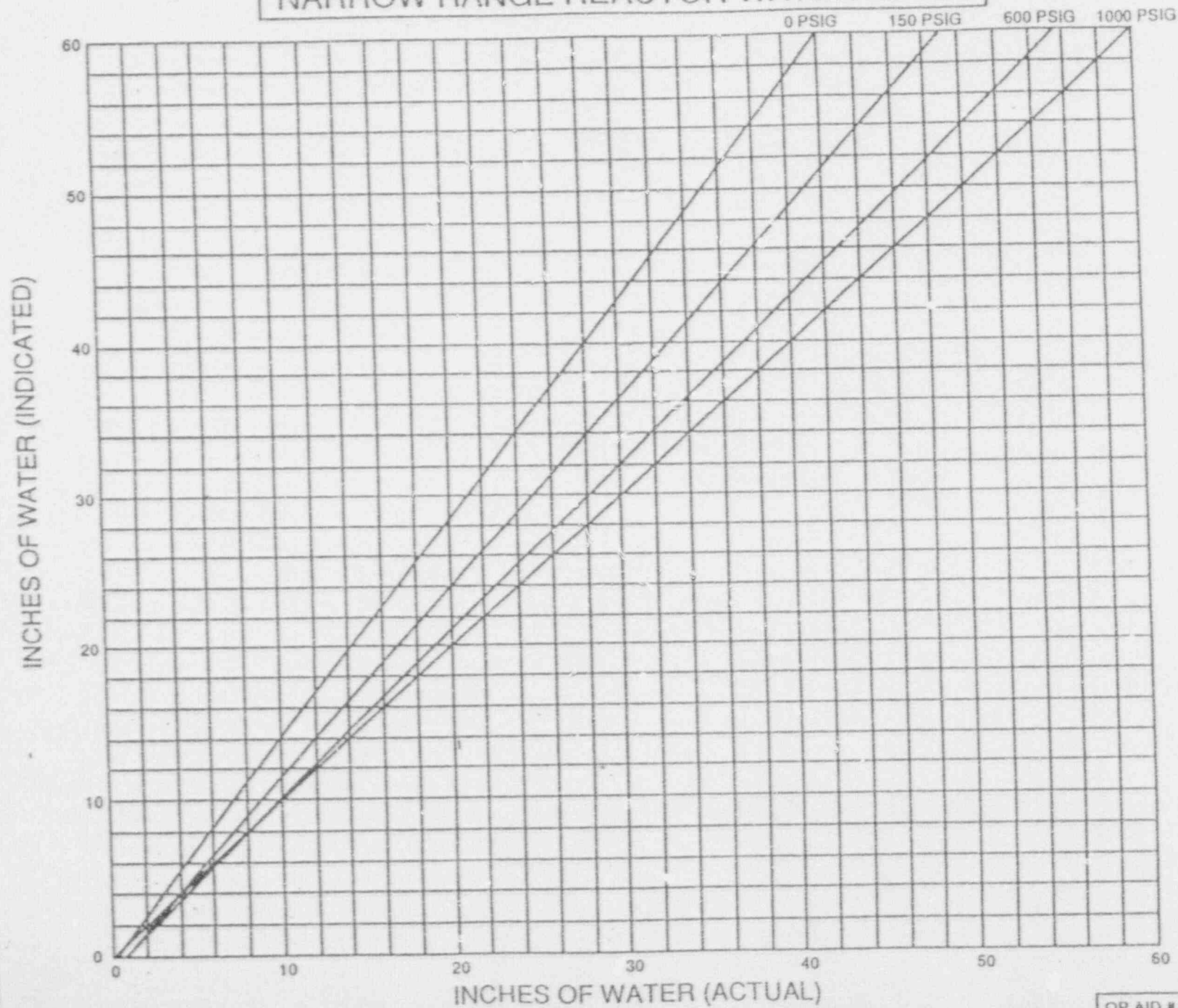
NARROW RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

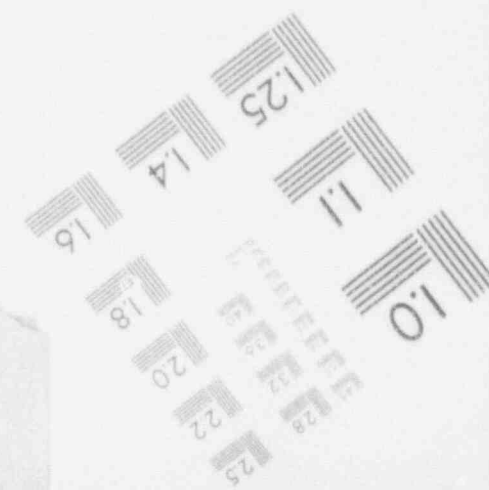
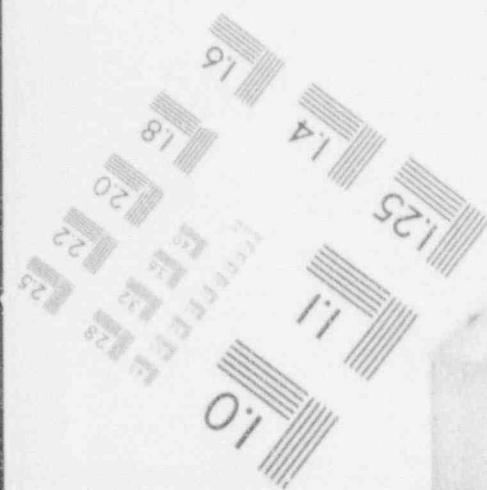
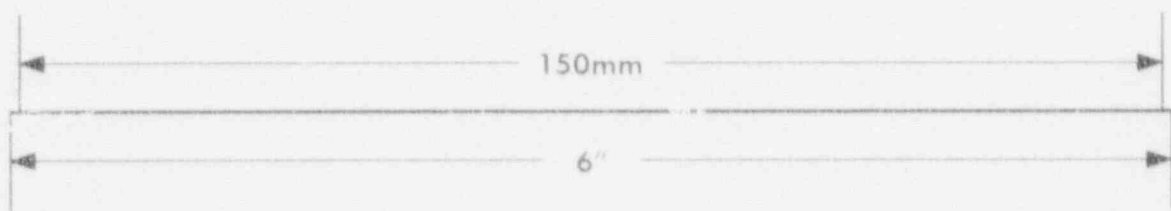
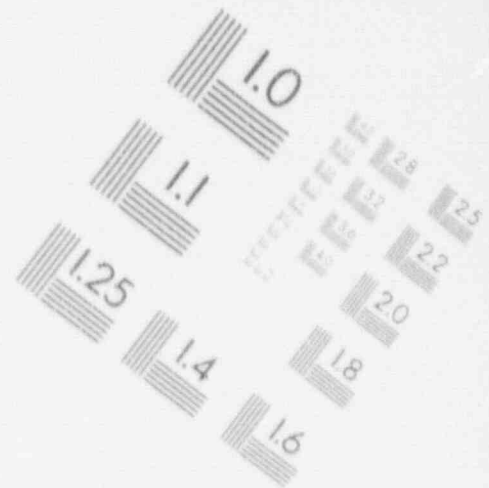
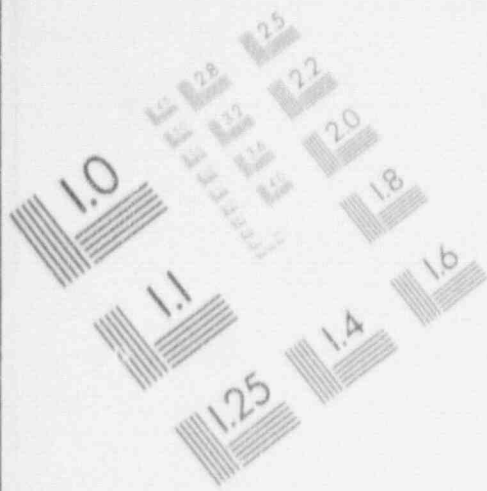
Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E1236
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL A
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

NARROW RANGE REACTOR WATER LEVEL



1

IMAGE EVALUATION
TEST TARGET (MT-3)



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	MAIN FD FLOW
Point ID (12 char):	E1241
Plant Spec Point Desc(40 char):	TOTAL FEEDWATER FLOW
Generic/Cond Desc(32 char):	FEEDWATER FLOW INTO REACTOR
Analog/Digital:	A
Engr Units/Dig States(12 char):	MLB/HR
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	21
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	LINEAR
Sensor Locations(40 char):	AFTER 6TH FW HEATERS
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	MAIN FEED FLOW IS THE SUMMATION OF THE 6TH FEEDWATER HEATER OUTLET FLOWS FOR THE THREE FEEDWATER LOOPS. RATED FEEDWATER FLOW IS 14 MLB/HR.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCIC FLOW
Point ID (12 char):	E1340
Plant Spec Point Desc(40 char):	RCIC SYSTEM FLOW
Generic/Cond Desc(32 char):	REACTOR CORE ISOLATION COOLING FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	GPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	700
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	RCIC PUMP DISCHARGE
Alarm/Trip Set Points(40 char):	LOW FLOW AT 95 GPM
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc (600 char):	RCIC AUTOMATICALLY STARTS ON LOW-LOW REACTOR LEVEL AT -38. RCIC STEAM ADMISSION VALVE CLOSES @ +54 INCHES RX WATER LEVEL. RCIC ISOLATES AT 64.5 PSIG RX PRESSURE. RATED FLOW IS 616 GPM.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E1234
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR PRESS
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	850
Maximum Instr Range(10 char):	1050
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	HIGH @ 1020, SCRAM HI @1037,SCRAM LOW @756
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E1430
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE B
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E1353
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE A
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5', LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	HPCI FLOW
Point ID (12 char):	E1420
Plant Spec Point Desc(40 char):	HPCI SYSTEM FLOW
Generic/Cond Desc(32 char):	HIGH PRESSURE COOLANT INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	6.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	PUMP DISCHARGE LINE
Alarm/Trip Set Points(40 char):	LOW @ 300 GPM, TRIP @ +54 INCHES
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	HPCI AUTOMATICALLY INITIATES ON LOW-LOW LEVEL @ -38 INCHES OR HIGH DRYWELL PRESSURE @ 1.68 PSIG. RATED AT 5600 GPM @ 1400 PSIG. DISCHARGE TO VESSEL VIA CORE SPRAY LOOP "B" AND FEEDWATER LINE "A". HPCI TRIPS ON DIV 2 OR 4 ISOLATION, HIGH TURB EXHAUST AT 150 PSIG, LOW STEAM LINE SUPPLY PRESSURE @15 INCHES VAC OR HI RX WATER LEVEL @ +54 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E1341
Plant Spec Point Desc(40 char):	A RHR SYSTEM FLOW
Generic/Cond Desc(33 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A RHR HEAT EXCHANGER
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E1421
Plant Spec Point Desc(40 char):	B RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINE
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B RHR HEAT EXCHANGER
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E1466
Plant Spec Point Desc(40 char):	C RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A RHR HT EXCHANGER CROSSTIE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E1506
Plant Spec Point Desc(40 char):	D RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B RHR HT EXCHANGER CROSSTIE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CR SPRAY FL
Point ID (12 char):	E1342
Plant Spec Point Desc(40 char):	A CORE SPRAY FLOW
Generic/Cond Desc(32 char):	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	8.8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A&C CS PPS ON DISCH PIPING
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CORE SPRAY AUTOMATICALLY INITIATES ON LOW-LOW-LOW REACTOR WATER LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH CORE SPRAY PUMP IS RATED AT 3175 GPM @ 145 PSIG. EACH CORE SPRAY LOOP CONSISTS OF 2 CORE SPRAY PUMPS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CR SPRAY FL
Point ID (12 char):	E1422
Plant Spec Point Desc(40 char):	B CORE SPRAY FLOW
Generic/Cond Desc(32 char):	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	8.8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B&D CS PPS ON DISCH PIPING
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CORE SPRAY AUTOMATICALLY INITIATES ON LOW-LOW REACTOR WATER LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH CORE SPRAY PUMP IS RATED AT 3175 GPM @ 145 PSIG. EACH CORE SPRAY LOOP CONSISTS OF 2 CORE SPRAY PUMPS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW FD SMP LV
Point ID (12 char):	E1192
Plant Spec Point Desc(40 char):	DRYWELL FLOOR DRAIN SUMP LEVEL
Generic/Cond Desc(32 char):	DRYWELL FLOOR DRAIN SUMP LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	GAL
Engr Units Conversion(40 char):	QUADRATIC
Minimum Instr Range(10 char):	5.567
Maximum Instr Range(10 char):	400.224
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF HV61-*11
Alarm/Trip Set Points(40 char):	19.5 INCHES INCREASING
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	DRYWELL FLOOR DRAIN SUMP CAPACITY IS 1080 GALLONS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	EFF GAS RAD
Point ID (12 char):	4TE076
Plant Spec Point Desc(40 char):	N STACK TOTAL EFFLUENT
Generic/Cond Desc(32 char):	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States(12 char):	MCI/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	
Maximum Instr Range(10 char):	
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	NORTH STACK SAMPLE GRID
Alarm/Trip Set Points(40 char):	ALERT @ 1.08E4 MC/S,HIGH @1.08E5 MC/S
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CND A/E RAD
Point ID (12 char):	E1088
Plant Spec Point Desc(40 char):	STEAM JET / IR EJECTOR RAD MON
Generic/Cond Desc(32 char):	CONDENSER AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States(12 char):	MR/HR
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1.0E6
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	BETWEEN AFTER CONDENSER & HOLDUP PIPE
Alarm/Trip Set Points(40 char):	1.47E4 MR/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NORMAL SAMPLE IS OBTAINED FROM GASEOUS RADWASTE-RECOMBINATION SYSTEM BETWEEN AFTER CONDENSER AND HOLDUP PIPE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	1RA191
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2 R/HR, 1 CPM
Maximum Instr Range(10 char):	1E8 R/HR, 1E6 CPM
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 258', AZIMUTH 330°
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	2RA191
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 258', 45° AZIMUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	3RA191
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
General / Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog / Digital:	A
Eng Units/Dig States(12 char):	R/HR
Eng Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEV 282', 210° AZIMOUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if N: provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	4RA191
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 272', 148° AZIMUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	MN STEAM RAD
Point id(12 char)	E1082
Plant Spec Point Desc(40 char):	MAIN STEAM RAD MON
Generic/Cond Desc(32 char):	RAD LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MR/HR
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1
Maximum Instr Range(10 char):	1.0E6
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	MN STM TUNNEL NEAR PRI CONTAINMENT
Alarm/Trip Set Points(40 char):	HI@1.5xNFPB,HI-HI@ 3XNFPB
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 3 x NFPB, ONE OF FOUR MONITORS GAMMA RADIATION LEVEL EXTERIOR TO THE MAIN STEAM LINES DOWNSTREAM OF MAIN STEAM ISOLATION VALVES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E1425
Plant Spec Point Desc(40 char):	NARROW RANGE DRYWELL PRESS
Generic/Cond Desc(32 char):	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5.0
Maximum Instr Range(10 char):	5.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL PRESSURE INSTRUMENTATION LINE
Alarm/Trip Set Points(40 char):	HI @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68 PSIG. PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E1423
Plant Spec Point Desc(40 char):	WIDE RANGE DRYWELL PRESS B
Generic/Cond Desc(32 char):	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5.0
Maximum Instr Range(10 char):	165
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DW PRESSURE INSTRUMENTATION LINE
Alarm/Trip Set Points(40 char):	HIGH @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68 PSIG. PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E1343
Plant Spec Point Desc(40 char):	WIDE RANGE DRYWELL PRESS A
Generic/Cond Desc(32 char):	DRYWELL PRESS
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5
Maximum Instr Range(10 char):	165
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	STANDBY GAS TREATMENT LINE
Alarm/Trip Set Points(40 char):	HIGH @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68. PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW TEMP
Point ID (12 char):	E1515
Plant Spec Point Desc(40 char):	DRYWELL ATMOSPHERE TEMP
Generic/Cond Desc(32 char):	DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	QUADRATIC
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	440
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 135 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 340 DEGF IN THE DRYWELL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW TEMP
Point ID (12 char):	E1658
Plant Spec Point Desc(40 char):	DRYWELL ATMOSPHERE TEMP
Generic/Cond Desc(32 char):	DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	CUBIC
Minimum Instr Range(10 char):	40
Maximum Instr Range(10 char):	440
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @135 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 380 DEGF IN THE DRYWELL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP TEMP
Point ID (12 char):	E1424
Plant Spec Point Desc(40 char):	SUPPRESSION POOL TEMP B
Generic/Cond Desc(32 char):	SUPPRESSION POOL TEMP
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	30
Maximum Instr Range(10 char):	230
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPPRESSION POOL AIR SPACE
Alarm/Trip Set Points(40 char):	HIGH @ 95 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 220 DEGF IN THE SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP TEMP
Point ID (12 char):	E1344
Plant Spec Point Desc(40 char):	SUPPRESSION POOL TEMP A
Generic/Cond Desc(32 char):	SUPPRESSION POOL TEMP
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG F
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	30
Maximum Instr Range(10 char):	230
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPPRESSION POOL AIR SPACE
Alarm/Trip Set Points(40 char):	HIGH @ 95 DEG F
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 220 DEGF IN THE SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E1680
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	20
Maximum Instr Range(10 char):	28
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 1.5 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 2,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E1602
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	20
Maximum Inst. Range(10 char):	26
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Sup. Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	13 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E1186
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL B
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	1 T
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	50
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC EFDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E1210
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL A
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	50
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	H2 CONC
Point ID (12 char):	B21V0065
Plant Spec Point Desc(40 char):	MAX H2
Generic/Cond Desc(32 char):	DRYWELL H2 CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	30
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	MAX OF 2 SENSORS
Sensor Locations(40 char):	SAMPLES FROM SUPPRESSION POOL OR DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 4%
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF TWO REDUNDANT SYSTEMS CAPABLE OF SAMPLING DRYWELL AND SUPPRESSION CHAMBER ATMOSPHERES. SAMPLES ARE TAKEN FROM DRYWELL, DRYWELL EXHAUST, SUPPRESSION POOL ATMOSPHERE AND SUPPRESSION POOL EXHAUST AND ARE RETURNED TO DRYWELL/SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	H2 CONC
Point ID (12 char):	B21V0064
Plant Spec Point Desc(40 char):	MAX O2
Generic/Cond Desc(32 char):	DRYWELL O2 CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	25
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	MAX OF 2 SENSORS
Sensor Locations(40 char):	SAMPLES FROM SUPPRESSION POOL OR DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 4%
NI Detector Power Supply Cut off Power Level(15 char):	N/A
NI Detector Power Supply Turn on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF TWO REDUNDANT SYSTEMS CAPABLE OF SAMPLING DRYWELL AND SUPPRESSION CHAMBER ATMOSPHERES. SAMPLES ARE TAKEN FROM DRYWELL, DRYWELL EXHAUST, SUPPRESSION POOL ATMOSPHERE AND SUPPRESSION POOL EXHAUST AND ARE RETURNED TO DRYWELL/SUPPRESSION POOL.

DATA POINT LIBRARY REFERENCE FILE

	12 / 18 / 91
Feeder Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CST LEVEL
Point ID (12 char):	E1083
Plant Spec Point Desc(40 char):	CONDENSATE STORAGE LEVEL
Generic Cond Desc(32 char):	COND STORAGE TK LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	45
Zero Point Reference(6 char):	TNKBOT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	CST
Alarm/Trip Set Points(40 char):	HIGH @ 128 FT 1 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CST CAPACITY IS 200,000 GAL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND SPEED
Point ID (12 char):	T1.SP.1
Plant Spec Point Desc(40 char):	TOWER 1 WIND SPEED
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MPH
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	ELEVATION 425' MSL
Alarm/Trip Set Point(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' N. OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF SITE WIND SPEED

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND SPEED
Point ID (12 char):	T2.SP.U
Plant Spec Point Desc(40 char):	TOWER 2 WIND SPEED
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MPH
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	ELEVATION 425' MSL
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. USED AS SECONDARY INDICATION OF SITE WIND SPEED

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDs Parameter (12 char):	WIND DIR
Point ID (12 char):	T1.DRI
Plant Spec Point Desc(40 char):	TOWER 1 DIRECTION
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF WIND DIRECTION.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T2.DR.U
Plant Spec Point Desc(40 char):	TOWER 2 DIRECTION
Generic/Cond Desc(32 char):	WIND DIR AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. USED AS SECONDARY INDICATION OF WIND DIRECTION.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T1.DT.UL
Plant Spec Point Desc(40 char):	TOWER 1 DELTA-TEMP
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	DIFFERENCE
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. THIS VALUE IS THE UPPER TOWER TEMPERATURE MINUS THE LOWER TOWER TEMPERATURE. USED AS PRIMARY INDICATION OF DELTA TEMPERATURE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T2.DT.UL
Plant Spec Point Desc(40 char):	TOWER 2 DELTA-TEMP
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	DIFFERENCE
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if o provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. THIS VALUE IS THE UPPER TOWER TEMPERATURE MINUS THE LOWER TOWER TEMPERATURE. USED AS SECONDARY INDICATION OF DELTA TEMPERATURE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T1.ST.I
Plant Spec Point Desc(40 char):	TOWER 1 SIGMA THETA
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	360
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	STD DEV OF HORIZONTAL WIND DIR
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. THIS VALUE IS A CALCULATED VALUE. USED AS PRIMARY INDICATION OF SIGMA THETA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM1
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T2.ST.1
Plant Spec Point Desc(40 char):	TOWER 2 SIGMA THETA
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	360
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	STD DEV OF HORIZONTAL WIND DIR
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. THIS VALUE IS A CALCULATED VALUE. USED AS SECONDARY INDICATION OF SIGMA THETA.

I. Contacts

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

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

Bruce Eaton
Philadelphia Electric Company
Limerick Generating Station
P. O. Box 2300, MC TSC2-2
Pottstown, PA 19464-0920

Title: Programmer/Analyst
Phone: (215) 327-1200 Ext. 2639

B. Computer Hardware Specialist(s):

SAME

C. Systems Software Specialist(s):

SAME

D. Application-level Software Specialist(s):

SAME

E. Telephone Systems Specialist(s):

SAME

III. Selection Of Data Feeders

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

One Data Feeder

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.

N/A

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

N/A

IV. Data Feeder Information

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 words forming it.

EPDS

Emergency Preparedness Data System

- b. Is this the site time determining feeder?

Yes

- c. What is the update frequency of this feeder (in seconds)?

30 seconds

2. Hardware/Software Environment

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

IBM Model 8595 - OKD

- b. Identify the operating system.

OS/2 Version 1.3

- c. What method of timekeeping is 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 rate 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 not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

N/A

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

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

YES

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

N/A

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

Solely by ERDS

4. Data Feeder Physical Environment and Management

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

TSC Computer Room

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?

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NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	B000
Plant Spec Point Desc(40 char):	APRM A FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RCCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	B001
Plant Spec Point Desc(40 char):	APRM B FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	B002
Plant Spec Point Desc(40 char):	APRM C FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	B003
Plant Spec Point Desc(40 char):	APRM D FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W + 59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	3004
Plant Spec Point Desc(40 char):	APRM E FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 21 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI POWER RNG
Point ID (12 char):	B005
Plant Spec Point Desc(40 char):	APRM F FLUX
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS, POWER RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	125.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN CORE
Alarm/Trip Set Points(40 char):	TRIP @ 0.58W+59%, MAX @ 116.5%, RUN MODE
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	AVERAGE POWER RANGE MONITOR. ONE OF SIX APRM'S. THIS APRM IS THE AVERAGE OF 22 LOCAL POWER RANGE MONITORS. CONTINUOUSLY MONITORS POWER PRODUCTION AND PROVIDES TRIP SIGNALS TO RPS, RRCS AND RMCS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURCE RNG
Point ID (12 char):	E2109
Plant Spec Point Desc(40 char):	A SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2133
Plant Spec Point Desc(40 char):	B SRM COUNT RATE
Generic/Cord Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2110
Plant Spec Point Desc(40 char):	C SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2134
Plant Spec Point Desc(40 char):	D SRM COUNT RATE
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States(12 char):	CPS
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1.0E-1
Maximum Instr Range(10 char):	1.0E+6
Zero Point Reference(6 char):	COMPLEX
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	IN VESSEL
Alarm/Trip Set Points(40 char):	2.0E5
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SOURCE RANGE MONITORS. ONE OF FOUR SRM'S. EACH DETECTOR EQUIPPED WITH MOTOR DRIVE MECH TO ALLOW INSERTION INTO/RETRACTION FROM CORE. CAPABLE OF PRODUCING RPS TRIP WITH SHORTING LINKS REMOVED. SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30 INCHES BELOW BOTTOM OF ACTIVE FUEL TO 18 INCHES ABOVE CORE MIDPLANE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2114
Plant Spec Point Desc(40 char):	A SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0= FULL IN / 1= NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PRGC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2138
Plant Spec Point Desc(40 char):	B SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PRGC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Se. Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2115
Plant Spec Point Desc(40 char):	C SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0= FULL IN / 1= NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	NI SOURC RNG
Point ID (12 char):	E2139
Plant Spec Point Desc(40 char):	D SRM POSITION
Generic/Cond Desc(32 char):	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	D
Engr Units/Dig States(12 char):	0 OR 1
Engr Units Conversion(40 char):	0=FULL IN / 1=NOT IN
Minimum Instr Range(10 char):	N/A
Maximum Instr Range(10 char):	N/A
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SHUTTLE TUBE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NI SOURCE RANGE MONITOR POSITION IS VARIABLE BETWEEN 30" BELOW BOTTOM OF ACTIVE FUEL TO 18" ABOVE MIDPLANE (FULL IN).

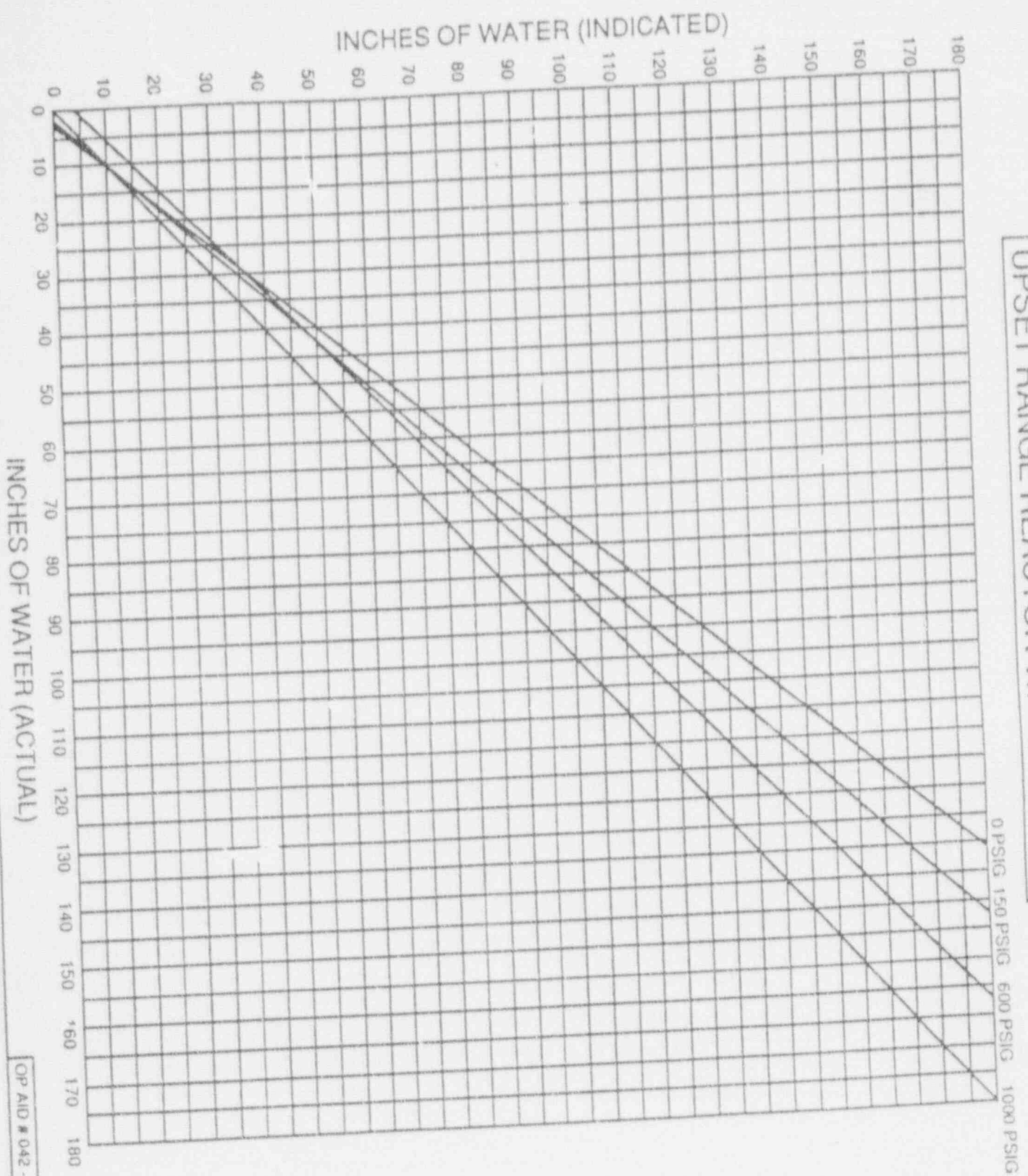
NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2240
Plant Spec Point Desc(40 char):	SHUTDOWN RANGE REACTOR LEVEL
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	370.0
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SHUTDOWN RANGE REACTOR LEVEL IS CALIBRATED FOR 120 DEGF WATER AT 0 PSIG IN VESSEL AND 80 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2239
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR LEVEL
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	180.0
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	UPSET RANGE LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

UPSET RANGE REACTOR WATER LEVEL



JPM

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2419
Plant Spec Point Desc(40 char):	FUEL ZONE RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-350
Maximum Instr Range(10 char):	-100
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, "no provide correction curve")):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	FUEL ZONE RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 0 PSIG IN THE VESSEL AND DRYWELL WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

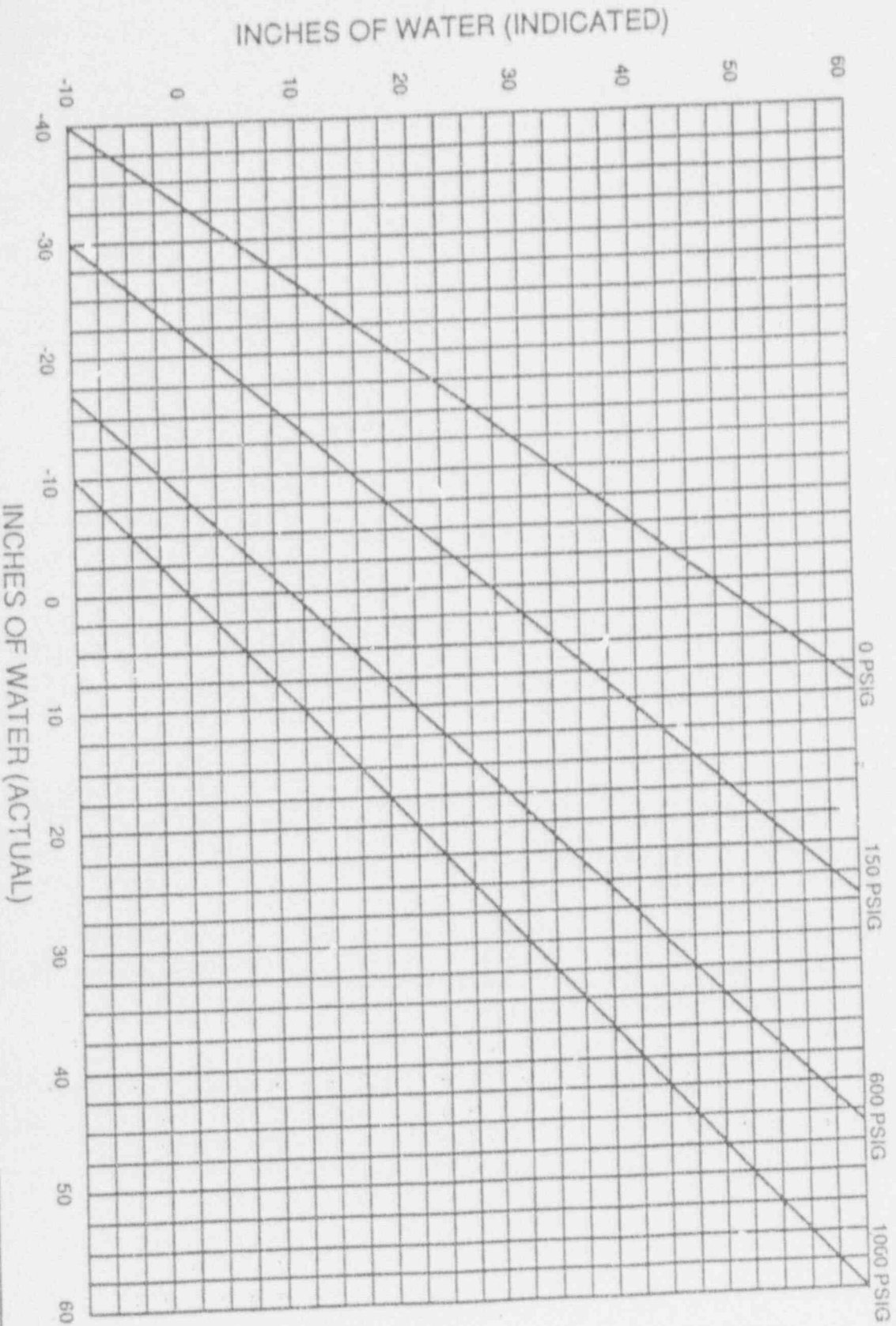
NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2339
Plant Spec Point Desc(40 char):	FUEL ZONE RANGE REACTOR LEVEL A
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-350
Maximum Instr Range(10 char):	-100
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	FUEL ZONE RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 0 PSIG IN THE VESSEL AND DRYWELL WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2418
Plant Spec Point Desc(40 char):	WIDE RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-150
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LOW LEVEL ISOLATIONS AT -38" & -129"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	WIDE RANGE REACTOR LEVEL IS CALIBRATED FOR 1000 PSIG IN THE VESSEL, 135 DEGF IN THE DRYWELL AND 20 BTU/LB SUBCOOLING BELOW THE MIDDLE WATER LEVEL NOZZLE AND SATURATED CONDITIONS ABOVE THE MIDDLE WATER LEVEL NOZZLE WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161".

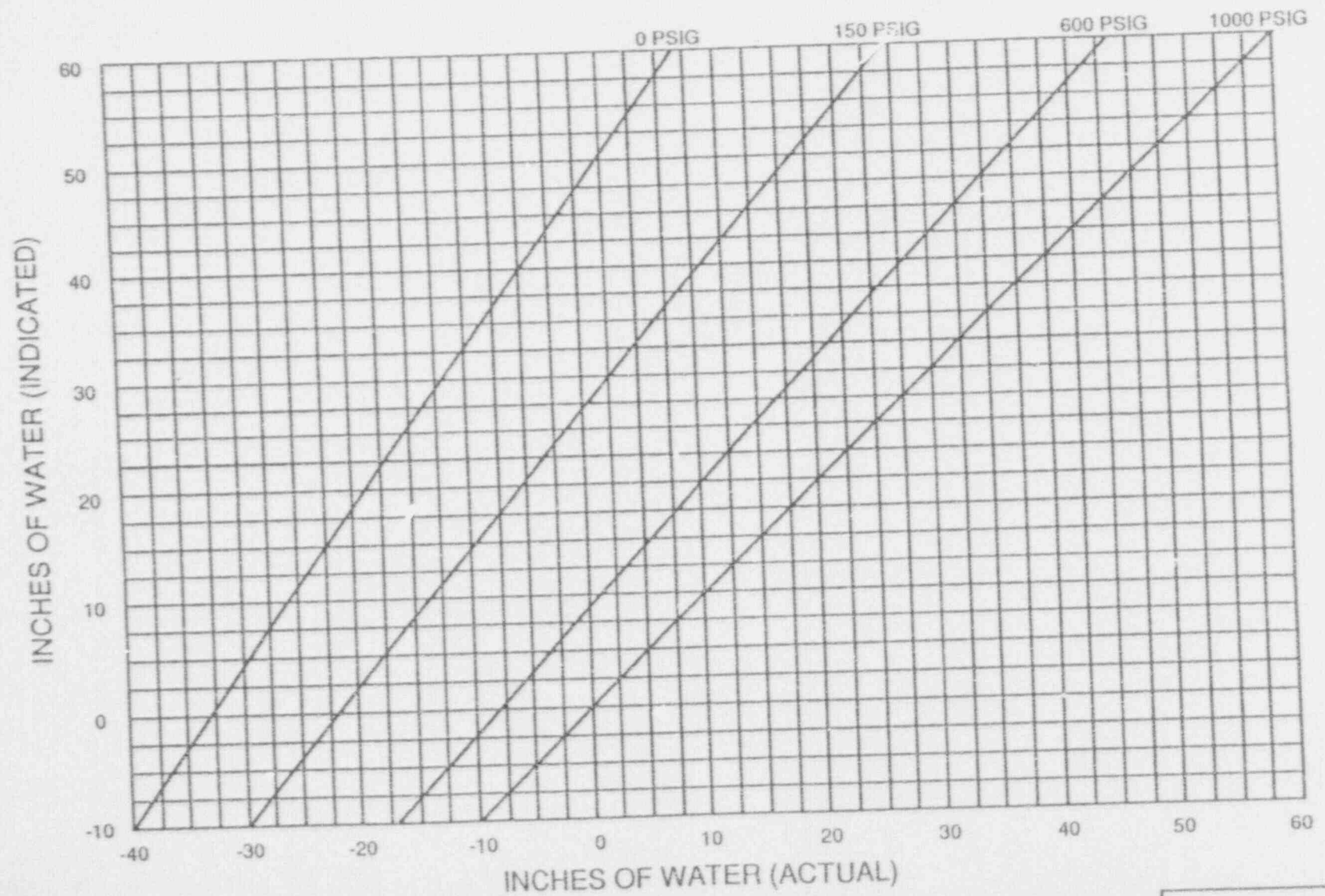
WIDE RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2338
Plant Spec Point Desc(40 char):	WIDE RANGE REACTOR LEVEL A
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-150
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LOW LEVEL ISOLATIONS AT -38" & -129"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	WIDE RANGE REACTOR LEVEL IS CALIBRATED FOR 1000 PSIG IN THE VESSEL, 135 DEGF IN THE DRYWELL AND 20 BTU/LB SUBCOOLING BELOW THE MIDDLE WATER LEVEL NOZZLE AND SATURATED CONDITIONS ABOVE THE MIDDLE WATER LEVEL NOZZLE WITH NO JET PUMP FLOW. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161".

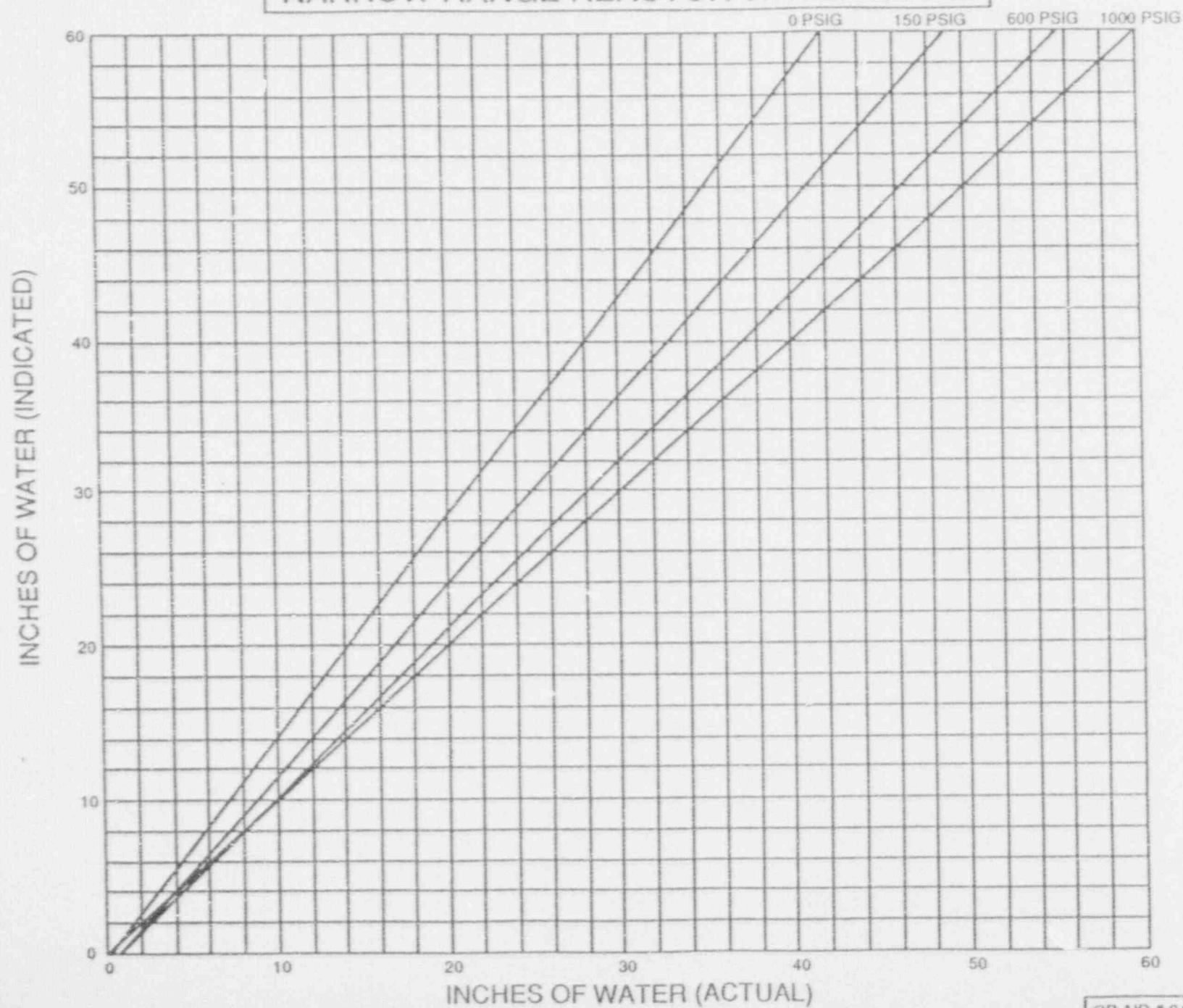
WIDE RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2238
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL C
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

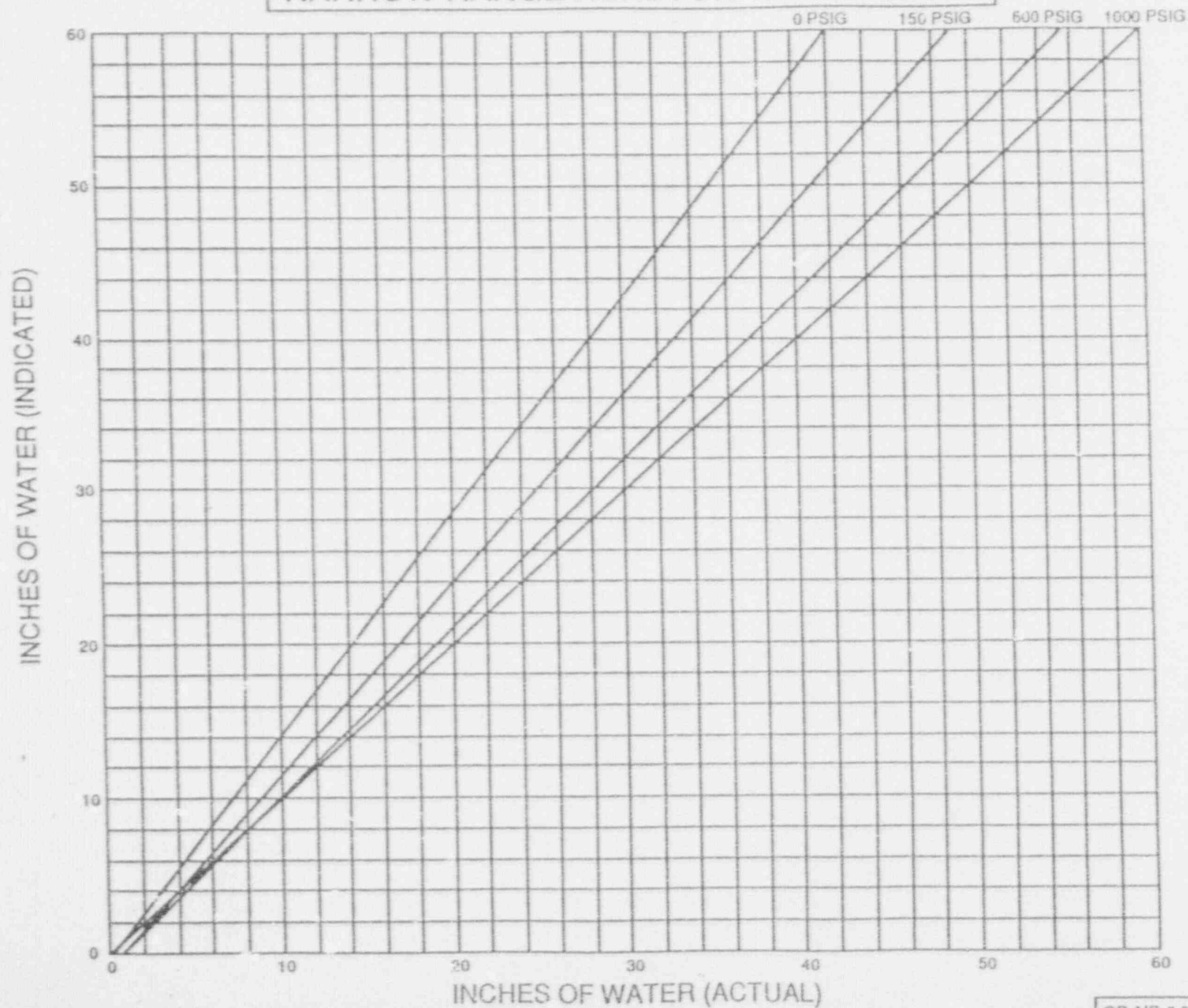
NARROW RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2237
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL B
Generic/Cond Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

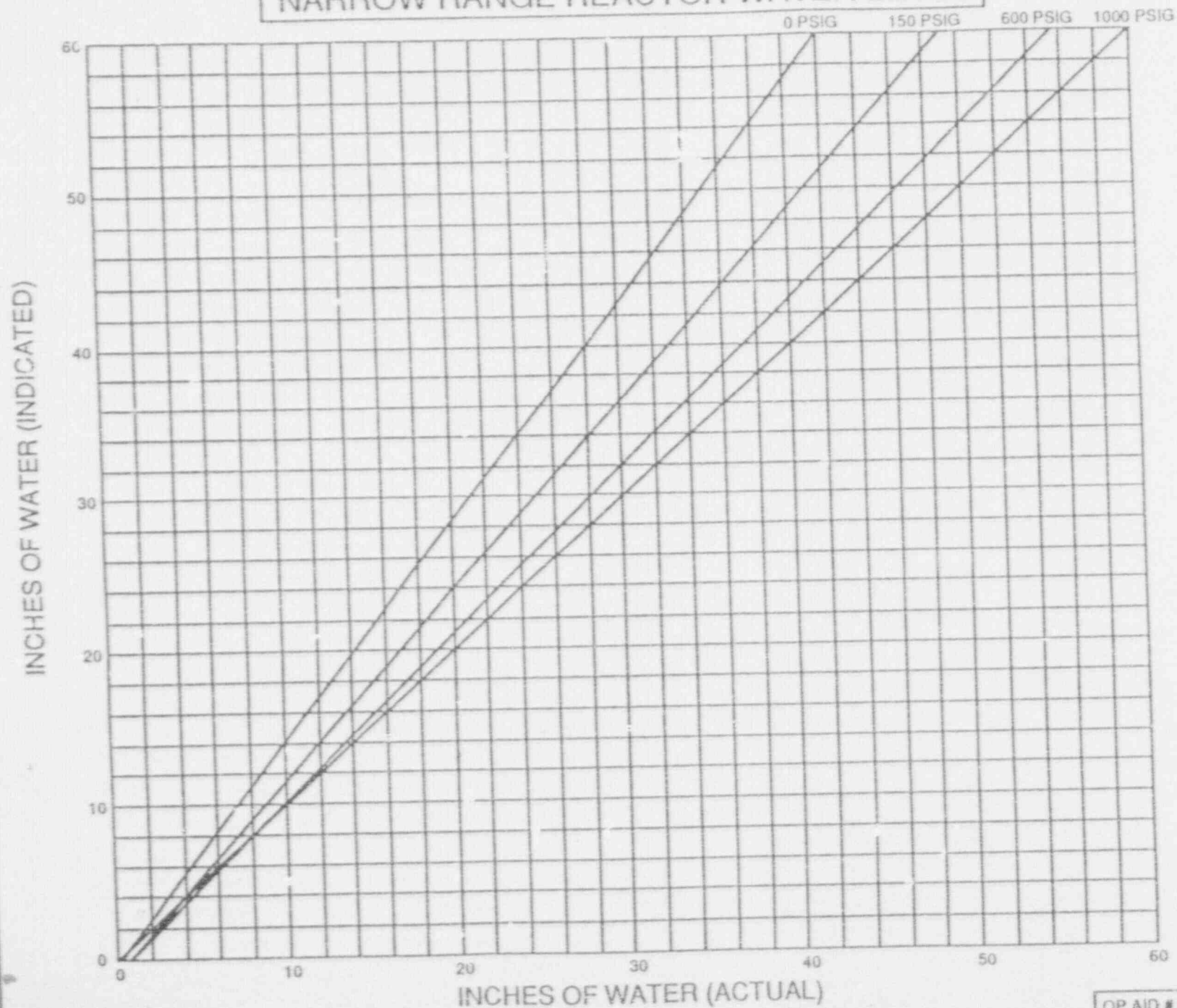
NARROW RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	REAC VES LVL
Point ID (12 char):	E2236
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR LEVEL A
Generic, and Desc(32 char):	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	INH2O
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	60
Zero Point Reference(6 char):	MSSKRT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	NARROW RANGE REACTOR LEVEL IS CALIBRATED FOR SATURATED WATER STEAM CONDITIONS AT 1000 PSIG IN THE VESSEL AND 135 DEGF IN THE DRYWELL. INSTRUMENT ZERO IS AT THE BOTTOM OF THE STEAM DRYER ASSEMBLY SKIRT WHICH IS 527.5 INCHES ABOVE VESSEL ZERO (VESSEL BOTTOM HEAD). TOP OF ACTIVE FUEL IS AT -161 INCHES. RPS SCRAM AT +12.5 INCHES, TURBINE TRIP AT +54 INCHES. NORNAL LEVEL AT +35 INCHES.

NARROW RANGE REACTOR WATER LEVEL



NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	MAIN FD FLOW
Point ID (12 char):	E2241
Plant Spec Point Desc(40 char):	TOTAL FEEDWATER FLOW
Generic/Cond Desc(32 char):	FEEDWATER FLOW INTO REACTOR
Analog/Digital:	A
Engr Units/Dig States(12 char):	MLB/HR
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	21
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	LINEAR
Sensor Locations(40 char):	AFTER 6TH FW HEATERS
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	MAIN FEED FLOW IS THE SUMMATION OF THE 6TH FEEDWATER HEATER OUTLET FLOWS FOR THE THREE FEEDWATER LOOPS. RATED FEEDWATER FLOW IS 14 MLB/HR.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCIC FLOW
Point ID (12 char):	E2340
Plant Spec Point Desc(40 char):	RCIC SYSTEM FLOW
Generic/Cond Desc(32 char):	REACTOR CORE ISOLATION COOLING FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	GPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	700
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	RCIC PUMP DISCHARGE
Alarm/Trip Set Points(40 char):	LOW FLOW AT 95 GPM
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	RCIC AUTOMATICALLY STARTS ON LOW-LOW REACTOR LEVEL AT -38. RCIC STEAM ADMISSION VALVE CLOSES @ +54 INCHES RX WATER LEVEL. RCIC ISOLATES AT 64.5 PSIG RX PRESSURE. RATED FLOW IS 616 GPM.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2234
Plant Spec Point Desc(40 char):	NARROW RANGE REACTOR PRESS
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	850
Maximum Instr Range(10 char):	1050
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2430
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE B
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	RCS PRESSURE
Point ID (12 char):	E2353
Plant Spec Point Desc(40 char):	UPSET RANGE REACTOR PRESSURE A
Generic/Cond Desc(32 char):	RX COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1500
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	SCRAM AT 12.5", LOW @30", HIGH @39"
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	REACTOR VESSEL PRESSURE IS SENSED IN STEAM DOME AREA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	HPCI FLOW
Point ID (12 char):	E2420
Plant Spec Point Desc(40 char):	HPCI SYSTEM FLOW
Generic/Cond Desc(32 char):	HIGH PRESSURE COOLANT INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0.0
Maximum Instr Range(10 char):	6.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	PUMP DISCHARGE LINE
Alarm/Trip Set Points(40 char):	LOW @ 300 GPM
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	HPCI AUTOMATICALLY INITIATES ON LOW-LOW LEVEL @ -38 INCHES OR HIGH DRYWELL PRESSURE @ 1.68 PSIG. RATED AT 5600 GPM @ 1400 PSIG. DISCHARGE TO VESSEL VIA CORE SPRAY LOOP "B" AND FEEDWATER LINE "A". HPCI TRIPS ON DIV 2 OR 4 ISOLATION, HIGH TURB EXHAUST AT 150 PSIG, LOW STEAM LINE SUPPLY PRESSURE @15 INCHES VAC OR HI RX WATER LEVEL @ +54 INCHES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E2341
Plant Spec Point Desc(40 char):	A RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A RHR HEAT EXCHANGER
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-FLOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E2421
Plant Spec Point Desc(40 char):	B RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B RHR HEAT EXCHANGER
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E2466
Plant Spec Point Desc(40 char):	C RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A RHR HT EXCHANGER CROSSTIE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	LPCI FLOW
Point ID (12 char):	E2506
Plant Spec Point Desc(40 char):	D RHR SYSTEM FLOW
Generic/Cond Desc(32 char):	LPCI FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	12
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B RHR HT EXCHANGER CROSSTIE
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	LPCI MODE OF RHR IS AUTOMATICALLY INITIATED ON LOW-LOW-LOW LEVEL @ .129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH RHR PUMP IS RATED AT 10000 GPM @ 260 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CR SPRAY FL
Point ID (12 char):	E2342
Plant Spec Point Desc(40 char):	A CORE SPRAY FLOW
Generic/Cond Desc(32 char):	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Units/Dig States(12 char):	KGPM
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	8.8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF A&C CS PPS ON DISCH PIPING
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CORE SPRAY AUTOMATICALLY INITIATES ON LOW-LOW-LOW REACTOR WATER LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH CORE SPRAY PUMP IS RATED AT 3175 GPM @ 145 PSIG. EACH CORE SPRAY LOOP CONSISTS OF 2 CORE SPRAY PUMPS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CR SPRAY FL
Point ID (12 char):	E2422
Plant Spec Point Desc(40 char):	B CORE SPRAY FLOW
Generic/Cond Desc(32 char):	CORE SPRAY COOLING SYSTEM FLOW
Analog/Digital:	A
Engr Unit / Eng States(12 char):	KGPM
Engr Unit / Calc version(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	8.8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF B&D CS PPS ON DISCH PIPING
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CORE SPRAY AUTOMATICALLY INITIATES ON LOW-LOW-LOW REACTOR WATER LEVEL @ -129 INCHES OR THE COMBINATION OF LOW RX PRESSURE @ 455 PSIG AND HIGH DRYWELL PRESSURE @ 1.68 PSIG. EACH CORE SPRAY PUMP IS RATED AT 3175 GPM @ 145 PSIG. EACH CORE SPRAY LOOP CONSISTS OF 2 CORE SPRAY PUMPS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW FD SMP LV
Point ID (12 char):	E2192
Plant Spec Point Desc(40 char):	DRYWELL FLOOR DRAIN SUMP LEVEL
Generic/Cond Desc(32 char):	DRYWELL FLOOR DRAIN SUMP LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	GAL
Engr Units Conversion(40 char):	QUADRATIC
Minimum Instr Range(10 char):	5.567
Maximum Instr Range(10 char):	400.224
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DOWNSTREAM OF HV61-*11
Alarm/Trip Set Points(40 char):	19.5 INCHES INCREASING
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	DRYWELL FLOOR DRAIN SUMP CAPACITY IS 1080 GALLONS.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	EFF GAS RAD
Point ID (12 char):	4TE076
Plant Spec Point Desc(40 char):	N STACK TOTAL EFFLUENT
Generic/Cond Desc(32 char):	RADIOACTIVITY OF RELEASED GASSES
Analog/Digital:	A
Engr Units/Dig States(12 char):	MCI/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	
Maximum Instr Range(10 char):	
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	NORTH STACK SAMPLE GRID
Alarm/Trip Set Points(40 char):	ALERT @ 1.08E4 MC/S,HIGH @1.08E5 MC/S
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CND A/E RAD
Point ID (12 char):	E2088
Plant Spec Point Desc(40 char):	STEAM JET AIR EJECTOR RAD MON
Generic/Cond Desc(32 char):	CONDENSER AIR EJECTOR RADIOACTIVITY
Analog/Digital:	A
Engr Units/Dig States(12 char):	MR/HR
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	1.0E6
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	BETWEEN AFTER CONDENSER & HOLDUP PIPE
Alarm/Trip Set Points(40 char):	1.47E4 MR/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	NORMAL SAMPLE IS OBTAINED FROM GASEOUS RADWASTE-RECOMBINATION SYSTEM BETWEEN AFTER CONDENSER AND HOLDUP PIPE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	1RA291
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2 R/HR, 1 CPM
Maximum Instr Range(10 char):	1E8 R/HR, 1E6 CPM
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 258', AZIMUTH 330°
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	2RA291
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 258', 40° AZIMUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	3RA291
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 258', 210° AZIMUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW RAD
Point ID (12 char):	4RA291
Plant Spec Point Desc(40 char):	DRYWELL AREA POST LOCA
Generic/Cond Desc(32 char):	RAD LEVEL IN THE DRYWELL
Analog/Digital:	A
Engr Units/Dig States(12 char):	R/HR
Engr Units Conversion(40 char):	
Minimum Instr Range(10 char):	1E2
Maximum Instr Range(10 char):	1E8
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL, ELEVATION 272', 148° AZIMUTH
Alarm/Trip Set Points(40 char):	ALERT @ 50 R/HR, HIGH @ 100 R/HR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF FOUR GAMMA ION CHAMBER SENSORS FOR THE PRIMARY CONTAINMENT. MONITORS GROSS RADIOACTIVITY PRESENT IN CONTAINMENT ATMOSPHERE. SENSORS ARE LOCATED IN SEPERATE AREAS OF CONTAINMENT TO PROVIDE INDEPENDENT MEASUREMENT AND TO VIEW LARGE FRACTIONS OF THE CONTAINMENT VOLUME.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	MN STEAM RAD
Point id(12 char)	E2082
Plant Spec Point Desc(40 char):	MAIN STEAM RAD MON
Generic/Cond Desc(32 char):	RAD LEVEL OF THE MAIN STEAM LINE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MR/HR
Engr Units Conversion(40 char):	LOG BASE 10
Minimum Instr Range(10 char):	1
Maximum Instr Range(10 char):	1.0E6
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	N/A
How Processed(40 char):	N/A
Sensor Locations(40 char):	MN STM TUNNEL NEAR PRI CONTAINMENT
Alarm/Trip Set Points(40 char):	HI@1.5xNFPB,HI-HI@ 3XNFPB
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 3 x NFPB, ONE OF FOUR MONITORS GAMMA RADIATION LEVEL EXTERIOR TO THE MAIN STEAM LINES DOWNSTREAM OF MAIN STEAM ISOLATION VALVES.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E2425
Plant Spec Point Desc(40 char):	NARROW RANGE DRYWELL PRESS
Generic/Cond Desc(32 char):	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5.0
Maximum Instr Range(10 char):	5.0
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL PRESSURE INSTRUMENTATION LINE
Alarm/Trip Set Points(40 char):	HI @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68 PSIG PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E2423
Plant Spec Point Desc(40 char):	WIDE RANGE DRYWELL PRESS B
Generic/Cond Desc(32 char):	DRYWELL PRESSURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5.0
Maximum Instr Range(10 char):	165
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DW PRESSURE INSTRUMENTATION LINE
Alarm/Trip Set Points(40 char):	HIGH @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68 PSIG. PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW PRESS
Point ID (12 char):	E2343
Plant Spec Point Desc(40 char):	WIDE RANGE DRYWELL PRESS A
Generic/Cond Desc(32 char):	DRYWELL PRESS
Analog/Digital:	A
Engr Units/Dig States(12 char):	PSIG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	-5
Maximum Instr Range(10 char):	165
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	STANDBY GAS TREATMENT LINE
Alarm/Trip Set Points(40 char):	HIGH @ 1.68 PSIG
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	SCRAM @ 1.68. PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL PRESSURE OF 55 PSIG.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW TEMP
Point ID (12 char):	E2515
Plant Spec Point Desc(40 char):	DRYWELL ATMOSPHERE TEMP
Generic/Cond Desc(32 char):	DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	QUADRATIC
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	440
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 135 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 340 DEGF IN THE DRYWELL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	DW TEMP
Point ID (12 char):	E2658
Plant Spec Point Desc(40 char):	DRYWELL ATMOSPHERE TEMP
Generic/Cond Desc(32 char):	DRYWELL TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	CUBIC
Minimum Instr Range(10 char):	40
Maximum Instr Range(10 char):	440
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @135 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 380 DEGF IN THE DRYWELL

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP TEMP
Point ID (12 char):	E2424
Plant Spec Point Desc(40 char):	SUPPRESSION POOL TEMP B
Generic/Cond Desc(32 char):	SUPPRESSION POOL TEMP
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	30
Maximum Instr Range(10 char):	230
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPPRESSION POOL AIR SPACE
Alarm/Trip Set Points(40 char):	HIGH @ 95 DEGF
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 220 DEGF IN THE SUPPRESSION POOL

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP TEMP
Point ID (12 char):	E2344
Plant Spec Point Desc(40 char):	SUPPRESSION POOL TEMP A
Generic/Cond Desc(32 char):	SUPPRESSION POOL TEMP
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG F
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	30
Maximum Instr Range(10 char):	230
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPPRESSION POOL AIR SPACE
Alarm/Trip Set Points(40 char):	HIGH @ 95 DEG F
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correcticu curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	PRIMARY CONTAINMENT IS DESIGNED AND MAINTAINED FOR A MAXIMUM INTERNAL TEMPERATURE OF 220 DEGF IN THE SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E2680
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	20
Maximum Instr Range(10 char):	26
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTO ^M OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E2602
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	20
Maximum Instr Range(10 char):	26
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E2186
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL B
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	50
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	SP LEVEL
Point ID (12 char):	E2210
Plant Spec Point Desc(40 char):	SUPP POOL LEVEL A
Generic/Cond Desc(32 char):	SUPP POOL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	50
Zero Point Reference(6 char):	CNTFLR
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	SUPP POOL LEVEL INSTRUMENT LINE
Alarm/Trip Set Points(40 char):	LOW @22 FT, HIGH @24 FT 3 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N
Level Reference Leg(WET or DRY):	WET
Unique System Desc.(600 char):	SUPPRESSION CHAMBER SPRAY HEADER @ 48.5 FT. BOTTOM OF SUPPRESSION CHAMBER VENT @ 39 FT. SUPPRESSION TO DRYWELL VACUUM BREAKER LESS OPENING PRESSURE @ 39 FT. TOP OF HPCI EXHAUST @ 18 FT. SUPPRESSION POOL MINIMUM WATER REGION OF 122,120 CUBIC FT AND A MAXIMUM AIR REGION OF 159,540 CUBIC FT.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	H2 CONC
Point ID (12 char):	B21V0065
Plant Spec Point Desc(40 char):	MAX H2
Generic/Cond Desc(32 char):	DRYWELL H2 CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	30
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	N/A
How Processed(40 char):	MAX OF 2 SENSORS
Sensor Locations(40 char):	SAMPLES FROM SUPPRESSION POOL OR DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 4%
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF TWO REDUNDANT SYSTEMS CAPABLE OF SAMPLING DRYWELL AND SUPPRESSION CHAMBER ATMOSPHERES. SAMPLES ARE TAKEN FROM DRYWELL, DRYWELL EXHAUST, SUPPRESSION POOL ATMOSPHERE AND SUPPRESSION POOL EXHAUST AND ARE RETURNED TO DRYWELL/SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	H2 CONC
Point ID (12 char):	B21V0064
Plant Spec Point Desc(40 char):	MAX O2
Generic/Cond Desc(32 char):	DRYWELL O2 CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States(12 char):	%
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	25
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	MAX OF 2 SENSORS
Sensor Locations(40 char):	SAMPLES FROM SUPPRESSION POOL OR DRYWELL
Alarm/Trip Set Points(40 char):	HIGH @ 4%
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	ONE OF TWO REDUNDANT SYSTEMS CAPABLE OF SAMPLING DRYWELL AND SUPPRESSION CHAMBER ATMOSPHERES. SAMPLES ARE TAKEN FROM DRYWELL, DRYWELL EXHAUST, SUPPRESSION POOL ATMOSPHERE AND SUPPRESSION POOL EXHAUST AND ARE RETURNED TO DRYWELL/SUPPRESSION POOL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	CST LEVEL
Point ID (12 char):	E2083
Plant Spec Point Desc(40 char):	CONDENSATE STORAGE LEVEL
Generic/Cond Desc(32 char):	COND STORAGE TK LEVEL
Analog/Digital:	A
Engr Units/Dig States(12 char):	FT
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	45
Zero Point Reference(6 char):	TNKBOT
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	CST
Alarm/Trip Set Points(40 char):	HIGH @ 128 FT 1 IN
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	CST CAPACITY IS 200,000 GAL.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND SPEED
Point ID (12 char):	T1.SP.1
Plant Spec Point Desc(40 char):	TOWER 1 WIND SPEED
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MPH
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	ELEVATION 425' MSL
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF SITE WIND SPEED

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND SPEED
Point ID (12 char):	T2.SP.U
Plant Spec Point Desc(40 char):	TOWER 2 WIND SPEED
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	MPH
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	ELEVATION 425' MSL
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LCS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. USED AS SECONDARY INDICATION OF SITE WIND SPEED

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T1.DRI
Plant Spec Point Desc(40 char):	TOWER 1 DIRECTION
Generic/Cond Desc(32 char):	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	N/A
NI Detector Power Supply Cut off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. USED AS PRIMARY INDICATION OF WIND DIRECTION.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	WIND DIR
Point ID (12 char):	T2.DR.U
Plant Spec Point Desc(40 char):	TOWER 2 DIRECTION
Generic/Cond Desc(32 char):	WIND DIR AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGREES
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	540
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	S
Number of Sensors(3 char):	1
How Processed(40 char):	N/A
Sensor Locations(40 char):	N/A
Alarm/Ann Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(10 char):	N/A
NI Detector Power Supply Turn-on Power Level(10 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if N, provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. USED AS SECONDARY INDICATION OF WIND DIRECTION.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T1.DT.UL
Plant Spec Point Desc(40 char):	TOWER 1 DELTA-TEMP
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	DIFFERENCE
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. THIS VALUE IS THE UPPER TOWER TEMPERATURE MINUS THE LOWER TOWER TEMPERATURE. USED AS PRIMARY INDICATION OF DELTA TEMPERATURE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T2.DT.UL
Plant Spec Point Desc(40 char):	TOWER 2 DELTA-TEMP
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEGF
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	100
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	DIFFERENCE
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' WEST OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. THIS VALUE IS THE UPPER TOWER TEMPERATURE MINUS THE LOWER TOWER TEMPERATURE. USED AS SECONDARY INDICATION OF DELTA TEMPERATURE.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T1.ST.1
Plant Spec Point Desc(40 char):	TOWER 1 SIGMA THETA
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	360
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	STD DEV OF HORIZONTAL WIND DIR
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve)):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 1 IS A 280' TOWER SITUATED APPROX 3000' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 250' MSL. THIS VALUE IS A CALCULATED VALUE. USED AS PRIMARY INDICATION OF SIGMA THETA.

NRC DATA POINT LIBRARY REFERENCE FILE

Date:	12 / 18 / 91
Reactor Unit (LM1 or LM2):	LM2
Data Feeder:	N/A
NRC ERDS Parameter (12 char):	STAB CLAS
Point ID (12 char):	T2.ST.I
Plant Spec Point Desc(40 char):	TOWER 2 SIGMA THETA
Generic/Cond Desc(32 char):	AIR STABILITY AT THE REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States(12 char):	DEG
Engr Units Conversion(40 char):	LINEAR
Minimum Instr Range(10 char):	0
Maximum Instr Range(10 char):	360
Zero Point Reference(6 char):	N/A
Reference Point Notes(40 char):	N/A
PROC or SENS:	P
Number of Sensors(3 char):	2
How Processed(40 char):	STD DEV OF HORIZONTAL WIND DIR
Sensor Locations(40 char):	N/A
Alarm/Trip Set Points(40 char):	LINEAR
NI Detector Power Supply Cut-off Power Level(15 char):	N/A
NI Detector Power Supply Turn-on Power Level(15 char):	N/A
Instrument Failure Mode(30 char):	N/A
Temperature Compensation for DP Transmitters(Y or N, if No provide correction curve):	N/A
Level Reference Leg(WET or DRY):	N/A
Unique System Desc.(600 char):	TOWER 2 IS A 310' TOWER SITUATED APPROX 2100' NW OF THE LGS STRUCTURE VENTS. GRADE ELEVATION IS 121' MSL. THIS VALUE IS A CALCULATED VALUE. USED AS SECONDARY INDICATION OF SIGMA THETA.