

CATEGORY

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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SUBJECT: Forwards hardware or software changes which affect
 transmitted data points identified in ERDS data point
 library, per 10CFR50 App E, Section VI.3a.

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December 23, 1997
GO2-97-227

Docket No. 50-397

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

Gentlemen:

Subject: **WNP-2, OPERATING LICENSE NPF-21
EMERGENCY RESPONSE DATA SYSTEM, CHANGE TO DATA POINT
LIBRARY AND WNP-2 ERDS HARDWARE SYSTEM**

Reference: Letter GO2-92-257 dated November 24, 1992, GC Sorensen (SS) to NRC,
"Response to ERDS Rule, 10CFR50, Appendix E"

The following information is provided to the NRC to satisfy the 10CFR50, Appendix E, Section VI.3a requirement that any hardware or software changes affecting the transmitted data points identified in the ERDS Data Point Library be submitted to the NRC within 30 days after the changes are completed. In the Reference we provided the base Data Point Library from which we would notify the NRC of changes to the library. With the exception of the Meteorology data points (F142AV, F143AV, F144AV, F145AV, F146AV) all points referenced in the data point library are being changed. A complete new data point library has been included as an attachment.

In addition the following information is being supplied in accordance with 10CFR50, Appendix E, Section VI.3b that any hardware and software changes, with the exception of data point modifications, that could affect the transmission format and computer communication protocol to the ERDS must be provided to the NRC as soon as practicable and at least 30 days prior to the modification. The WNP-2 ERDS system, currently based on a Prime computer, is being rewritten to operate on an IBM PC system. The Supply System has been working with Scientech in Idaho Falls to test the new software and hardware programs. It is anticipated that

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**EMERGENCY RESPONSE DATA SYSTEM, CHANGE TO DATA POINT LIBRARY
AND WNP-2 ERDS HARDWARE SYSTEM**

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final acceptance testing will occur the week of January 5, 1998. Following acceptance testing and incorporation of the new data points on the NRC ERDS computer, the revised programs will be available for final implementation the week of February 1, 1998.

Respectfully,



D. W. Coleman
Acting Manager Regulatory Affairs
Mail Drop PE20

Attachment

cc: EW Merschoff - NRC RIV
KE Perkins, Jr. - NRC RIV, Walnut Creek Field Office
C Poslusny, Jr. - NRR
JR Jolicoeur - NRR
NRC Sr. Resident Inspector - 927N
DL Williams - BPA/399
PD Robinson, Winston & Strawn
J Roberts, Sciencetech

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	Wind Speed 2
Point ID:	F142AV
Plant Specific Point Desc.:	MET TWR WIND SPEED EL 245' -AVERAGE
Generic/Cond Desc.:	Wind Speed 2 at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	90
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Average
Sensor Locations:	MET Tower, at 245' above grade
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Low
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Wind speed at 245' level on the Met Tower

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	Wind Dir 2
Point ID:	F143AV
Plant Specific Point Desc.:	MET TWR WIND DIRECT EL 245' -AVERAGE
Generic/Cond Desc.:	Wind direction 2 at the Reactor
Analog/Digital:	A
Engr Units/Dig States:	DEGREES
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Average
Sensor Locations:	Met Tower, at 245' above grade
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Low
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Wind direction at 245' level on the Met Tower

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	Wind-Speed 1
Point ID:	F144AV
Plant Specific Point Desc.:	MET TWR WIND SPEED EL 33' -AVERAGE
Generic/Cond Desc.:	Wind Speed 1 at the Reactor Site
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	90
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Average
Sensor Locations:	MET Tower, at 33' above grade
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Low
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Wind speed at 33' level on the Met Tower

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	WIND-DIR 1
Point ID:	F145AV
Plant Specific Point Desc.:	MET TWR WIND DIRECT EL 33' -AVERAGE
Generic/Cond Desc.:	Wind direction 1 at the Reactor
Analog/Digital:	A
Engr Units/Dig States:	DEGREES
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	Average
Sensor Locations:	MET Tower, at 33'above grade
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Low
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Wind direction at 33' level on the Met Tower

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	STAB-Class 1
Point ID:	F146AV
Plant Specific Point Desc.:	MET TWR DELTA T EL 245-33' -AVERAGE
Generic/Cond Desc.:	Air Stability at the Reactor
Analog/Digital:	A
Engr Units/Dig States:	DEG F
Engr Units Conversion:	N/A
Minimum Instr Range:	-15
Maximum Instr Range:	15
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	Average Difference
Sensor Locations:	MET Tower at 33' and 245' above grade.
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Low
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Temperature difference between 33' and 245' levels on the MET Tower.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI-Flow 1
Point ID:	X043
Plant Specific Point Desc.:	RHR B LOOP FLOW
Generic/Cond Desc.:	Low Pres Coolant Inj Flow 1
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	N/A
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 501' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Rated flow = 7450 GPM. One of three LPCI loops used to provide core cooling subsequent to vessel depressurization. System initiations occur at -129" (Level 1) reactor water level.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI-Flow 3
Point ID:	X058
Plant Specific Point Desc.:	RHR C LOOP FLOW
Generic/Cond Desc.:	Low Pres Coolant Inj Flow 3
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 501' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Rated flow = 7450 GPM. One of three LPCI loops used to provide core cooling subsequent to vessel depressurization. System initiation occurs at -129' (Level 1) reactor water level.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	COND-AE-RAD 1
Point ID:	X088
Plant Specific Point Desc.:	OFFGAS POST-TREAT ACTIVITY
Generic/Cond Desc.:	Condenser Air Ejec Rad 1
Analog/Digital:	A
Engr Units/Dig States:	CPM
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Rad Waste Building, 452' Level
Alarm/Trip Set Points:	Alarm Setpoint: 9.7 X 10E4 CPM (NOM)
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Post treatment radiation monitoring of off gas sample from the Off Gas charcoal adsorbers

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC-VES-LEV 1
Point ID:	X159
Plant Specific Point Desc.:	DFWLC RX WTR LVL Fuel RNG A (Comp)
Generic/Cond Desc.:	Reactor Vessel Water Level 1 - Compensated
Analog/Digital:	A
Engr Units/Dig States:	INCH
Engr Units Conversion:	N/A
Minimum Instr Range:	-310
Maximum Instr Range:	-110
Zero Point Reference:	See Description
Reference Point Notes:	See Description
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	Wet
Unique System Desc.:	Water level indication from 51" above TAF to BAF. DP transmitters calibrated for operating condition. Zero point reference: 0" = MSSKRT. Reference Point Notes: 0" = 527.5" from bottom of RPV. -161 = TAF. 13" = SCRAM

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	DW-TEMP 1
Point ID:	X118
Plant Specific Point Desc.:	DRYWELL AVERAGE TEMP DIV 1
Generic/Cond Desc.:	Drywell Temperature 1
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	50
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average
Sensor Locations:	Containment Building, 517' Level
Alarm/Trip Set Points:	Alarm Setpoint = 128 Deg F
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Drywell average temperature monitoring of the RPV head area. Cont. Recirc Air Fan Coil 2A air inlet, recirc pump motor air inlet, and recirc pump motor A area.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	CR-SPRAY-FL 2
Point ID:	X122
Plant Specific Point Desc.:	HPCS FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow 1
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	8000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	6350 GPM @ 200 PSID above suction to RPV. System initiation occurs at -50" (Level 2) reactor water level and trips at +54.5" (Level 8) reactor water level.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC-VES-LV 2
Point ID:	X130
Plant Specific Point Desc.:	RX WATER LEVEL WIDE RANGE DIV 1
Generic/Cond Desc.:	Reactor Vessel Water Level 2
Analog/Digital:	A
Engr Units/Dig States:	INCH
Engr Units Conversion:	N/A
Minimum Instr Range:	-150
Maximum Instr Range:	60
Zero Point Reference:	See Description
Reference Point Notes:	See Description
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building 522' Level
Alarm/Trip Set Points:	See Description
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	Y
For DP Transmitters:	
Level Reference Leg:	Wet
Unique System Desc.:	Provides water level indication from 11" to 221" above TAF and encompasses all RPV water level-related equipment initiations and trips. The bottom of the wide range overlaps the top of the fuel zone range by 40". DP transmitters calibrated for operating conditions. Zero point reference: 0" = MSSKRT. Reference Point Notes: 0" = 527.5" from bottom of RPV. -161 = TAF, 13" = SCRAM. Alarm/Trip setpoints: Level alarm setpoint = +12.2" \pm 2.1" above instrument zero.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN-FD-FLW 1
Point ID:	X135
Plant Specific Point Desc.:	DFWLC FEED FLOW LOOP B
Generic/Cond Desc.:	Reactor Feedwater Flow 1
Analog/Digital:	A
Engr Units/Dig States:	LB/H
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	8500000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Turbine Building, 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	Y
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	DP transmitters calibrated for operating conditions. Monitors flow through Venturi section in one of two 24" reactor feedwater lines into the reactor. Flow signals are used for both monitoring and control of reactor feedwater flow.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC-FLOW 1
Point ID:	X142
Plant Specific Point Desc.:	RCIC PUMP DISCH FLOW
Generic/Cond Desc.:	Reactor Core Isol Cool Flow 1
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Rated flow = 600 GPM to RPV. System initiation occurs at -50" (Level 2) reactor water level and trips at +54.5" (Level 8) reactor water level.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN-FD-FLOW 2
Point ID:	X149
Plant Specific Point Desc.:	DFWLC FEED FLOW LOOP A
Generic/Cond Desc.:	Reactor Feedwater Flow 2
Analog/Digital:	A
Engr Units/Dig States:	LB/H
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	8500000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Turbine Building
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Desc.:	Monitors flow through Venturi section in one of two 24" reactor feedwater lines into the reactor. Flow signals are used for both monitoring and control of reactor feedwater flow. DP transmitters calibrated for operating conditions.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	RCS-Pressure
Point ID:	X151
Plant Specific Point Desc.:	RX PRESS WIDE RANGE DIV 1
Generic/Cond Desc.:	Reactor Coolant System Pressure
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 522' Level
Alarm/Trip Set Points:	Press alarm = 1050 ± 15 PSIG
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Pressure transmitter on 1 of 4 reference legs used for RPV level. Provides monitoring of reactor pressure during the course of an accident. Pressure and reactor water level share a common recorder in each of 2 trains.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI-FLOW 2
Point ID:	X163
Plant Specific Point Desc.:	RHR A LOOP FLOW
Generic/Cond Desc.:	Low Pressure Coolant Inj Flow 2
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building 501' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Rated Flow = 7450 GPM. One of three LPCI loops used to provide core cooling subsequent to vessel depressurization system, initiation occurs at -129" (Level 1) reactor water level.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	CR-SPRAY-FL 1
Point ID:	X164
Plant Specific Point Desc.:	LPCS PUMP DISCH FLOW
Generic/Cond Desc.:	Core Spray Cooling System Flow 1
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Rated flow 6.350 GPM at 128 PSID above suction to RPV. System initiation occurs at -129" (Level 1) Reactor Water Level..

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	DW-FD-SP-LV 2
Point ID:	X167
Plant Specific Point Desc.:	FDR FLOOR DRAIN SUMP FLOW
Generic/Cond Desc.:	Drywell Floor Drain Sump Level 2
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 422' Level
Alarm/Trip Set Points:	Alarm = 5 GPM
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Monitors Reactor Building Floor Drain Flow to sump.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	MN-STM-RAD 1
Point ID:	X169
Plant Specific Point Desc.:	MAIN STEAM LINE A RAD LEVEL
Generic/Cond Desc.:	Main Steam Line Rad Level 1
Analog/Digital:	A
Engr Units/Dig States:	MR/H
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 508' Level
Alarm/Trip Set Points:	See description
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	One of four MS Line Monitors which provide trips to RPS in the event of high rad conditions. Alarm/Trip setpoints: Upscale HiHi Trip = 3450 MR/HR (RPS trip). Upscale Hi Alarm Trip = 2300 MR/HR

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	DW-FD-SP-W 1
Point ID:	X181
Plant Specific Point Desc.:	EDR EQUIPMENT DRAIN SUMP FLOW
Generic/Cond Desc.:	Drywell Floor Drain Sump Level 1
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	30
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Containment Building, 422' Level
Alarm/Trip Set Points:	Alarm = 25 GPM
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Monitors reactor building equipment drain floor to sump.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	NI-INTER-RNG
Point ID:	X184
Plant Specific Point Desc.:	IRM CHANNEL A LEVEL
Generic/Cond Desc.:	Nuclear Inst., Intermediate Range
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Core during sys operation
Alarm/Trip Set Points:	See description
NI Detector Power Supply	80 VDC
Cut-off Power Level:	
NI Detector Power Supply	100 VDC
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	8 IRM channels monitor neutron flux from the upper portion of the SRM range to the lower portion of the power range of RX power. Each IRM channel contains circuits that provide SCRAM inputs to the RX protection sys when abnormally high flux levels are detected over this range. These circuits are bypassed when the RX mode switch is in the run position. 8 detectors are inserted into the core for a RX startup and are withdrawn after the RX mode switch is placed in the "run" position. Alarm/Trip setpoints: Upscale trip 120%/125% (nom setpoint) upscale alarm 108%/125% (nom setpoint).

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	NI-POWER-RNG
Point ID:	X194
Plant Specific Point Desc.:	APRM A FLUX LEVEL
Generic/Cond Desc.:	Nuclear Instruments, Power Range
Analog/Digital:	A
Engr Units/Dig States:	% PWR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	21
How Processed:	Average
Sensor Locations:	Reactor Core
Alarm/Trip Set Points:	See Description
NI Detector Power Supply	--
Cut-off Power Level:	
NI Detector Power Supply	75-200 VDC
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	6 APRM channels monitor neutron flux in the power range of RX power. Each channel contains circuits which provide SCRAM inputs to the RX protection sys when abnormally Hi flux levels are detected in this range. The LPRM detectors that provide input to each APRM channel are fixed in the core at 4 discrete core elevations. The APRM RX trip circuits are engaged when the RX mode switch is in the "run" position. Alarm/Trip setpoints: Neutron flux upscale 118% (nom setpoint) Thermal power upscale .66W + 51% (nom setpoint) Neutron flux upscale alarm .66W + 42% (nom setpoint)

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	NI-SOURC-RNG
Point ID:	X296
Plant Specific Point Desc.:	SRM A NEUTRON LEVEL
Generic/Cond Desc.:	Nuclear Inst., Source Range
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	N/A
Minimum Instr Range:	.1
Maximum Instr Range:	1x10 ⁶
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Core during sys operation
Alarm/Trip Set Points:	See description
NI Detector Power Supply	333 VDC
Cut-off Power Level:	
NI Detector Power Supply	350 VDC
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Four SRM channels monitor neutron flux in the startup range of reactor power. Each of 4 SRM channels contain circuits which provide SCRAM inputs to the reactor protection system when abnormally high flux level conditions are detected. These circuits are used only when reactor mode switch is in "Refuel". Detectors are retracted at power levels above the startup range. Alarm/Trip setpoints: Upscale trip 2 X 10E5 CPS (nom setpoint) Upscale alarm 1 X 10E5 CPS (nom setpoint)

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	REAC-VES-LV 3
Point ID:	X327
Plant Specific Point Desc.:	RX WATER LEVEL UPSET RANGE
Generic/Cond Desc.:	Reactor Vessel Water Level 3
Analog/Digital:	A
Engr Units/Dig States:	INCH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	500
Zero Point Reference:	MSSKRT
Reference Point Notes:	0" = 527.5" from bottom of RPV
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building 522' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	Y
For DP Transmitters:	
Level Reference Leg:	Wet
Unique System Desc.:	Provides monitoring of water level ranging from 120.5" below to 59.5" above the main steam line nozzle level. The bottom of the upset range overlaps the top of the wide range by 60".

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	SP-LEVEL 1
Point ID:	X354
Plant Specific Point Desc.:	SUPP POOL WATER LVL WIDE RANGE DIV 1
Generic/Cond Desc.:	Suppression Pool Water Level 1
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	50
Zero Point Reference:	30 FT
Reference Point Notes:	30 FT corresp to 0" nr or norm sp depth
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Containment building, 437' level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Provides coarse level indication of suppression pool depth. High and low level alarms are provided by narrow range instrumentation and are +.5" and -1.0" respectively.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A0
NRC ERDS Parameter:	SP-TEMP 1
Point ID:	X355
Plant Specific Point Desc.:	SUPP POOL AVERAGE TEMP DIV 1
Generic/Cond Desc.:	Suppression Pool Temperature 1
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	N/A
Minimum Instr Range:	50
Maximum Instr Range:	400
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	4
How Processed:	Average
Sensor Locations:	Containment Building 466' Level
Alarm/Trip Set Points:	Hi Alarm = 105 Deg F, HiHi alarm = 115 Deg F
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Monitors suppression pool average temp at a depth of 1 foot below the pool surface.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	CST-LEVEL 1
Point ID:	X373
Plant Specific Point Desc.:	COND STORAGE TANK LEVEL B
Generic/Cond Desc.:	Condensate Storage Tank Level 1
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	1 FT = 11,900 Gal
Minimum Instr Range:	0
Maximum Instr Range:	35
Zero Point Reference:	AP 443
Reference Point Notes:	Low level alarm = 453'2"
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Condensate Storage Tank, 471' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Each of the two condensate storage tanks have nominal capacity of 400,000 gal. Low level alarms from each tank are provided to prevent the water level from dropping below the required reserve level for RPV makeup (67,500 GL/Tank, 135,000 gal for both tanks). The low level alarm occurs at 10' indicated water level, providing for both RPV makeup and required static head for RCIC operation.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	EFF-GAS-RAD 1
Point ID:	X392
Plant Specific Point Desc.:	RX BLDG ELEV RELEASE HI RNG RAD MON
Generic/Cond Desc.:	Radioactivity Of Released Gas 1
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	N/A
Minimum Instr Range:	10
Maximum Instr Range:	1000000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 617' Level
Alarm/Trip Set Points:	None
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	Reactor Building effluent monitor

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	DW-RAD 1
Point ID:	X432
Plant Specific Point Desc.:	CONTAINMENT LOCA RAD MON DIV 1
Generic/Cond Desc.:	Drywell Radiation Level 1
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E+07
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Containment Building, 516' Level
Alarm/Trip Set Points:	See description
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted.
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	High range containment radiation monitoring. Alarm/Trip setpoints: Alert setpoint = $10E4 \pm 3.6 \times 10E3$ R. High setpoint = $2 \times 10E5 \pm 9 \times 10E4$ R.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	CST-Level 2
Point ID:	X434
Plant Specific Point Desc.:	COND STORAGE TANK LEVEL A
Generic/Cond Desc.:	Condensate Storage Tank Level 2
Analog/Digital:	A
Engr Units/Dig States:	FEET
Engr Units Conversion:	1 Ft = 11,900 Gal
Minimum Instr Range:	0
Maximum Instr Range:	35
Zero Point Reference:	443'
Reference Point Notes:	Low Level Alarm = 453'2"
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Condensate Storage Tank, 471' Level
Alarm/Trip Set Points:	Lo Lev = 453'2", LoLo Lev = 447'4"
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	Each of two condensate storage tanks have nominal capacity of 400,000 Gal. Two low level alarms for each tank are provided to prevent the water level from dropping below the required reserve level for RPV makeup (67,500 Gal/Tank, 135,000 Gal for both tanks). The low level alarm occurs at 10' indicated water level, providing for both RPV makeup and required static head for RCIC operation.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	DW-PRESS 1
Point ID:	X442
Plant Specific Point Desc.:	DRYWELL PRESS HIGH RANGE DIV 1
Generic/Cond Desc.:	Drywell Pressure 1
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	180
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 548' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply	N/A
Cut-off Power Level:	
NI Detector Power Supply	N/A
Turn-on Power Level:	
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation	N
For DP Transmitters:	
Level Reference Leg:	N/A
Unique System Desc.:	One of two instrument trains which provide wide range monitoring of upper drywell pressure.

DATA POINT LIBRARY REFERENCE FILE

Date:	24-Nov-97
Reactor Unit:	WP2
Data Feeder:	N/A
NRC ERDS Parameter:	02-CONC
Point ID:	X456
Plant Specific Point Desc.:	DRYWELL O2 CONCENTRATION DIV 1
Generic/Cond Desc.:	Oxygen Concentration
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	30
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Reactor Building, 522' Level
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	Cannot be predicted
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Desc.:	One of two trains used to monitor O2 concentration in primary containment subsequent to design basis accident.