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10 CFR 50, Appendix E

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U. S. Nuclear Regulatory Commission
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Calvert Cliffs Nuclear Power Plant, Unit Nos. 1 and 2
Renewed Facility Operating License Nos. DPR-53 and DPR-69
NRC Docket Nos. 50-317 and 50-318

Subject: Emergency Response Data System

The attached revision to the Emergency Response Data System (ERDS) Data Point Library for the Calvert Cliffs Nuclear Power Plant is provided pursuant to 10 CFR Part 50, Appendix E, Section VI.3.a. The revision is described below.

The table below provides a brief summary of the changes:

Unit 1

DPL Page	Point ID	Description of Change
1	1SP1I09	1) Plant Specific Point Description changed from LOG POWER to Wide Range Power. 2) Generic/Condition Description changed from NI WIDE RANGE LOG REACTOR PWR to Nuclear Instruments, Power Range. 3) ENGR Units changed from % POWER to %. 4) Minimum Instrument Range changed from 1E-7 to 1E-8. 5) Unique System Description changed from '...provides a logarithmic indication...' to '...provides an indication...'
2	1SP2I12	1) Number of Sensors changed from 32 to 16. 2) Unique System Descriptions changed from "...strategically near the vicinity..." to "...strategically in a vacant CEA shroud assembly near the vicinity..."
3	1SP2I13	1) How Processed description changed to AVG EACH QUADRANT'S PTS, SHOW HIGH AVG 2) Unique System Description changed to CORE EXIT THERMOCOUPLES ARE LOCATED AT THE TOP OF THE INCORE INSTRUMENT DETECTOR ASSEMBLIES WITHIN 35 SELECTED FUEL ASSEMBLIES. THESE DETECTORS ARE DIVIDED INTO QUADRANTS AND EACH QUADRANT IS AVERAGED. THIS POINT IS THE HIGHEST QUADRANT AVG.

A026
LRR

Unit 1

DPL Page	Point ID	Description of Change
4	1SP3I23	1) Minimum and Maximum Instrument Range fields changed to N/A. 2) Number of sensors changed to 37 (35 CETs and 2 pressure sensors) 3) <u>Unique System Description</u> changed to: CORE SUBCOOLED MARGIN IS CALCULATED BY THE SATURATION TEMPERATURE AS DETERMINED FROM PRESSURIZER PRESSURE (SP3I20) MINUS THE CORE EXIT TEMP (SP2I13).
5	1F131A	1) ENGR Units changed from % FLOW to %. 2) Number of sensors changed to 2 (1 per SG) 3) Proc or Sens changed to P
6	1SP3I17A	No changes other than point ID.
7	1SP3I17B	No changes other than point ID.
8	1SP3I16A	No changes other than point ID.
9	1SP3I16B	No changes other than point ID.
10	1F111%	1) Minimum and Maximum Instrument Range changed to N/A. 2) Number of Sensors changed to 8. 3) Unique System Description, first line updated to THIS IS A TEMPERATURE COMPENSATED FEED FLOW.
11	1F1121%	1) Minimum and Maximum Instrument Range changed to N/A. 2) Number of Sensors changed to 8
12	1SP3I18A	Maximum Instrument Range changed to 1250.
13	1SP3I18B	Maximum Instrument Range changed to 1250.
14	1SP0I06A	No changes other than point ID.
15	1SP0I06B	No changes other than point ID.
16	1SP3I13A	No changes other than point ID.
17	1SP3I13B	No changes other than point ID.
18	1SP3I20	No changes other than point ID.
19	1SP2I09	No changes other than point ID.
20	1SP1I14	1) Proc or Sens changed to S. 2) Number of Sensors changed to 1 3) Unique System Descriptions updated.
21	1SP2I15	No changes other than point ID.
22	1SP2I16	Proc or Sens changed to S.
23	1SP4I12	No changes other than point ID.
24	1R5415I	Proc or Sens changed to S.
25	1SP6I20	How Processed changed to Inverse Log of Instrument Value.
26	1SP6I17	How Processed changed to Reference Unique System Description.

Unit 1

DPL Page	Point ID	Description of Change
27	1SP6I21	No changes other than point ID.
28	1R5202!	Proc or Sens changed to S.
29	1R5421!	1) Proc or Sens changed to S. 2) How Processed changed to Inverse Log of Instrument Value.
30	1R5422!	1) Proc or Sens changed to S. 2) How Processed changed to Inverse Log of Instrument Value.
31	1R4014!	1) Proc or Sens changed to S. 2) How Processed changed to Inverse Log of Instrument Value. 3) Alarm / Trip Setpoints format changed to match other DPL entries.
32	1SP4I10	Unique System Descriptions updated.
33	1SP4I11	No changes other than point ID.
34	1SP2RWLV L	1) Zero Point Reference changed to TNKBOT 2) How Processed changed to WR sensor when outside NR sensor band
35	1WS60#15M	Engr Units changed to M/S (no spaces).
36	1WD60#15M	No changes other than point ID.
37	1WS10#15M	No changes other than point ID.
38	1WD10#15M	No changes other than point ID.
39	1MMS_DTASTB	No changes other than point ID.
40	1MMS_S60STB	No changes other than point ID.

Unit 2

DPL Page	Point ID	Change
1	2SP1I09	1) Plant Specific Point Description changed from LOG POWER to Wide Range Power. 2) Generic/Condition Description changed from NI WIDE RANGE LOG REACTOR PWR to Nuclear Instruments, Power Range. 3) ENGR Units changed from % POWER to %. 4) Minimum Instrument Range changed from 1E-7 to 1E-8. 5) Unique System Description changed from '...provides a logarithmic indication...' to '...provides an indication...'
2	2SP2I12	1) Number of Sensors changed from 32 to 16. 2) Unique System Descriptions changed from "...strategically near the vicinity..." to "...strategically in a vacant CEA shroud assembly near the vicinity..."

Unit 2

DPL Page	Point ID	Change
3	2SP2I13	1) How Processed description changed to AVG EACH QUADRANT'S PTS, SHOW HIGH AVG 2) Unique System Description changed to CORE EXIT THERMOCOUPLES ARE LOCATED AT THE TOP OF THE INCORE INSTRUMENT DETECTOR ASSEMBLIES WITHIN 35 SELECTED FUEL ASSEMBLIES. THESE DETECTORS ARE DIVIDED INTO QUADRANTS AND EACH QUADRANT IS AVERAGED. THIS POINT IS THE HIGHEST QUADRANT AVG.
4	2SP3I23	1) Minimum and Maximum Instrument Range fields changed to N/A. 2) Number of sensors changed to 37 (35 CETs and 2 pressure sensors) 3) Unique System Description changed to: CORE SUBCOOLED MARGIN IS CALCULATED BY THE SATURATION TEMPERATURE AS DETERMINED FROM PRESSURIZER PRESSURE (SP3I20) MINUS THE CORE EXIT TEMP (SP2I13). 4) How Processed changed to RE: USD (REFERENCE UNIQUE SYS DESC).
5	2F131A	1) ENGR Units changed from % FLOW to %. 2) Number of sensors changed to 2 (1 per SG) 3) Proc or Sens changed to P
6	2SP3I17A	No changes other than point ID.
7	2SP3I17B	No changes other than point ID.
8	2SP3I16A	Alarm / Trip Setpoints, X >= changed from 985 to 950.
9	2SP3I16B	Alarm / Trip Setpoints, X >= changed from 985 to 950.
10	2F111%	1) Minimum and Maximum Instrument Range changed to N/A. 2) Number of Sensors changed to 8. 3) Unique System Description, first line updated to THIS IS A TEMPERATURE COMPENSATED FEED FLOW.
11	2F1121%	1) Minimum and Maximum Instrument Range changed to N/A. 2) Number of Sensors changed to 8 3) Unique System Description, first line updated to THIS IS A TEMPERATURE COMPENSATED FEED FLOW.
12	2SP3I18A	Maximum Instrument Range changed to 1250.
13	2SP3I18B	Maximum Instrument Range changed to 1250.
14	2SP0I06A	No changes other than point ID.
15	2SP0I06B	No changes other than point ID.
16	2SP3I13A	Alarm / Trip Setpoints, X <= changed from 504 to 525.
17	2SP3I13B	Alarm / Trip Setpoints, X <= changed from 504 to 525.
18	2SP3I20	No changes other than point ID.

Unit 2

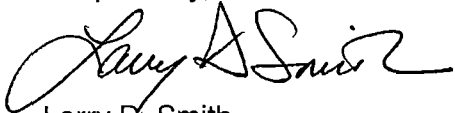
DPL Page	Point ID	Change
19	2SP2I09	Alarm / Trip Setpoints, X >= changed from 300 to 305.
20	2SP1I14	1) Proc or Sens changed to S. 2) Number of Sensors changed to 1 3) Unique System Descriptions updated.
21	2SP2I15	No changes other than point ID.
22	2SP2I16	Proc or Sens changed to S.
23	2SP4I12	No changes other than point ID.

The "before" and "after" ERDS Data Point Library sheets are attached.

There are no regulatory commitments contained in this correspondence.

Should you have questions regarding this matter, please contact me at (410) 495-5219.

Respectfully,



Larry D. Smith
Regulatory Assurance Manager

LDS/PSF/bjm

Attachment: Emergency Response Data System Data Point Library (80 pages)

cc: NRC Project Manager, Calvert Cliffs NRC Resident Inspector, Calvert Cliffs
NRC Regional Administrator, Region I S. Gray, MD-DNR

ATTACHMENT

EMERGENCY RESPONSE DATA SYSTEM DATA POINT LIBRARY

(80 pages)

PWR Data Point Library Reference File

Report Date : 06-24-2015

Page : 1

Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	NI POWER RNG
Point ID:	1SP1I09
Plant Specific Point Description:	WIDE RANGE POWER
Generic / Condition Description:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog / Digital:	A
ENGR Units / Digital States:	%
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-8
Maximum Instrument Range:	200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	AVG OF THE TWO CLOSEST CHANNEL VALUES
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIDE RANGE NUCLEAR INSTRUMENTATION PROVIDES AN INDICATION OF REACTOR POWER AS A PERCENT OF REACTOR POWER. START UP RATE REACTOR TRIP IS GIVEN FROM WIDE RANGE NUCLEAR INSTRUMENTS BETWEEN THE RANGE OF 1E-4% TO 15% POWER. THESE DETECTORS ARE FISSION CHAMBERS WHICH DO NOT GET DEENERGIZED DURING NORMAL POWER OPERATIONS.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	REC VES LEV
Point ID:	1SP2I12
Plant Specific Point Description:	REACTOR VESSEL LEVEL
Generic / Condition Description:	REACTOR VESSEL WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	FAP
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	16
How Processed:	RE:USD (REFERENCE UNIQUE SYS DESC)
Sensor Locations	160,151,112,71,50,29,19, & 10" ABOVE FAP
Alarm / Trip Setpoints:	VOID DETECTED
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	8 HEATED JUNCTION THERMOCOUPLES (HJTC) ARE SPACED STRATEGICALLY IN A VACANT CEA SHROUD ASSEMBLY NEAR THE VICINITY OF ONE HOT LEG OUTLET NOZZLE. AS HJTC IS UNCOVERED THE LVL THAT THE REACTOR HEAD IS UNCOVERED IS INDICATED IN INCREMENTAL STEPS. THE 1ST HJTC IS 160" FROM TOP OF FUEL ALIGNMENT PLATE(FAP); 8TH HJTC IS 160" FROM TOP OF FUEL ALIGNMENT PLATE(FAP); 8TH HJTC IS 10" FROM FAP; 5TH HJTC IS 50" FROM FAP WHICH IS THE CENTER LINE OF THE HOT LEGS. HOW PROCESSED: WHEN LVL DECREASES A VOID IN THE HJTC WILL PROVIDE AN OUTPUT SIGNAL FOR THAT SPECIFIC HJTC POSITION.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	1SP2I13
Plant Specific Point Description:	CORE EXIT TEMP
Generic / Condition Description:	HIGHEST TEMP AT THE CORE EXIT
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	40
Maximum Instrument Range:	2300
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	35
How Processed:	AVG EACH QUADRANT'S PTS:SHOW HIGH AVG
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 650
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	CORE EXIT THERMOCOUPLES ARE LOCATED AT THE TOP OF THE INCORE INSTRUMENT DETECTOR ASSEMBLIES WITHIN 35 SELECTED FUEL ASSEMBLIES. THESE DETECTORS ARE DIVIDED INTO QUADRANTS AND EACH QUADRANT IS AVERAGED. THIS POINT IS THE HIGHEST QUADRANT AVG.

PWR Data Point Library Reference File

Report Date : 06-24-2015

Page : 4

Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SUB MARGIN
Point ID:	1SP3I23
Plant Specific Point Description:	CORE SUBCOOLED MARGIN
Generic / Condition Description:	SATURATION TEMPERATURE-HIGH CET
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	37
How Processed:	RE:USD (REFERENCE UNIQUE SYS DESC)
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	CORE SUBCOOLED MARGIN IS CALCULATED BY THE SATURATION TEMPERATURE AS DETERMINED FROM PRESSURIZER PRESSURE (SP3I20) MINUS THE CORE EXIT TEMP (SP2I13).

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CORE FLOW
Point ID:	1F131A
Plant Specific Point Description:	RCS TOTAL FLOW CH A
Generic / Condition Description:	TOTAL REACTOR COOLANT FLOW
Analog / Digital:	A
ENGR Units / Digital States:	%
ENGR Units Conversion:	100% RX COOLANT FLOW = 370,000 GPM
Minimum Instrument Range:	-53.57
Maximum Instrument Range:	151.48
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR COOLANT FLOW IS DETERMINED BY THE D/P ACROSS THE STEAM GENERATORS. WHERE TOTAL FLOW IS THE SUM OF BOTH LOOP FLOWS.

PWR Data Point Library Reference File

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	1SP3I17A
Plant Specific Point Description:	SG LEVEL LOOP 11
Generic / Condition Description:	STEAM GENERATOR 11 WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-401.0
Maximum Instrument Range:	63.5
Zero Point Reference:	N/A
Reference Point Notes	0" = 40" ABOVE THE FEED RING
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 50 X <=-170
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	A LOW LEVEL REACTOR TRIP OCCURS AT -50" AS READ ON THE NARROW RANGE LEVEL DETECTOR. AFAS WILL ACTUATE AT -170" AS READ ON THE WIDE RANGE S/G LVL DETECTOR. POINT ID SP3I17A IS A WIDE RANGE LVL INDICATOR.

PWR Data Point Library Reference File

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	1SP3I17B
Plant Specific Point Description:	SG LEVEL LOOP 12
Generic / Condition Description:	STEAM GENERATOR 12 WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-401.0
Maximum Instrument Range:	63.5
Zero Point Reference:	N/A
Reference Point Notes	0" = 40" ABOVE THE FEED RING
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 50 X <=-170
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	A LOW LEVEL REACTOR TRIP OCCURS AT -50" AS READ ON THE NARROW RANGE LEVEL DETECTOR. AFAS WILL ACTUATE AT -170" AS READ ON THE WIDE RANGE S/G LVL DETECTOR. POINT ID SP3I17B IS A WIDE RANGE LVL INDICATOR.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SG PRESS 1/A
Point ID:	1SP3I16A
Plant Specific Point Description:	SG PRESSURE LOOP 11
Generic / Condition Description:	STEAM GENERATOR 11 PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 950 X <= 703
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR TRIP OCCURS AT 703# TO PREVENT EXCESSIVE HEAT EXTRACTIONS FROM HIGH STEAM FLOW DUE TO STM LINE RUPTURE OR COMP FAILURE.

PWR Data Point Library Reference File

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SG PRESS 2/B
Point ID:	1SP3I16B
Plant Specific Point Description:	SG PRESSURE LOOP 12
Generic / Condition Description:	STEAM GENERATOR 12 PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 950 X <= 703
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR TRIP OCCURS AT 703# TO PREVENT EXCESSIVE HEAT EXTRACTIONS FROM HIGH STEAM FLOW DUE TO STM LINE RUPTURE OF COMP FAILURE.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	MN FD FL 1/A
Point ID:	1F1111%
Plant Specific Point Description:	FW FLOW TO STEAM GEN. 11
Generic / Condition Description:	STM GEN 11 MAIN FEEDWATER FLOW
Analog / Digital:	A
ENGR Units / Digital States:	KLB/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	8
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Description:	THIS IS A TEMPERATURE COMPENSATED FEED FLOW. 2 STEAM DRIVEN MAIN FEED PUMPS EACH CAPABLE OF SUPPLYING FEED WATER EXCEEDING 50% FEED FLOW DEMAND. UPON A MAIN TURBINE TRIP FEED REG VALVES CLOSE AND FEED REG BYPASS VALVES ARE POSITIONED TO MAINTAIN 5% OF MAIN FEED WATER FLOW WHEN FEED PUMPS ARE RUNNING.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	MN FD FL 2/B
Point ID:	1F1121%
Plant Specific Point Description:	FW FLOW TO STEAM GEN. 12
Generic / Condition Description:	STM GEN 12 MAIN FEEDWATER FLOW
Analog / Digital:	A
ENGR Units / Digital States:	KLB/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	8
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Description:	THIS IS A TEMPERATURE COMPENSATED FEED FLOW. 2 STEAM DRIVEN MAIN FEED PUMPS EACH CAPABLE OF SUPPLYING FEED WATER EXCEEDING 50% FEED FLOW DEMAND. UPON A MAIN TURBINE TRIP FEED REG VALVES CLOSE AND FEED REG BYPASS VALVES ARE POSITIONED TO MAINTAIN 5% OF MAIN FEED WATER FLOW WHEN FEED PUMPS ARE RUNNING.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	AX FD FL 1/A
Point ID:	1SP3I18A
Plant Specific Point Description:	AUX FEED FLOW LOOP 11
Generic / Condition Description:	STM GEN 11 AUXILIARY FW FLOW
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1250
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	SUM:MTR DRIVEN & TURB DRIVEN PMPS DISCH
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 2 STEAM TURBINE DRIVEN PUMPS AND ONE ELECTRIC DRIVEN PUMP. THE TURBINE DRIVEN PUMPS DISCHARGE TO A COMMON HEADER FOR BOTH #11 & #12 STM GENS. THE MOTOR DRIVEN PUMP DISCHARGES TO A SEPARATE HEADER FOR BOTH #11 & #12 STM GENS. BOTH FLOW HEADERS COMBINE TO SUPPLY THE AUX FEED NOZZLE FOR EACH STM GEN. THE NORMAL SUPPLY TO AFW PUMP SUCTION IS FROM #12 CONDENSATE STORAGE TANK. ONLY 1 STEAM DRIVEN PUMP IS NORMALLY ALIGNED TO START.

PWR Data Point Library Reference File

Report Date : 06-24-2015

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	AX FD FL 2/B
Point ID:	1SP3I18B
Plant Specific Point Description:	AUX FEED FLOW LOOP 12
Generic / Condition Description:	STM GEN 12 AUXILIARY FW FLOW
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1250
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	SUM:MTR DRIVEN & TURB DRIVEN PMPS DISCH
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 2 STEAM TURBINE DRIVEN PUMPS AND ONE ELECTRIC DRIVEN PUMP. THE TURBINE DRIVEN PUMPS DISCHARGE TO A COMMON HEADER FOR BOTH #11 & #12 STM GENS. THE MOTOR DRIVEN PUMP DISCHARGES TO A SEPARATE HEADER FOR BOTH #11 & #12 STM GENS. BOTH FLOW HEADERS COMBINE TO SUPPLY THE AUX FEED NOZZLE FOR EACH STM GEN. THE NORMAL SUPPLY TO AFW PUMP SUCTION IS FROM #12 CONDENSATE STORAGE TANK. ONLY 1 STEAM DRIVEN PUMP IS NORMALLY ALIGNED TO START.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	1SP0I06A
Plant Specific Point Description:	THOT LOOP 11
Generic / Condition Description:	STM GEN 11 INLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THOT IS THE COOLANT TEMPERATURE MEASURED AT THE INLET TO THE STEAM GEN. THOT PROVIDES INPUT TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR A TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	1SP0I06B
Plant Specific Point Description:	THOT LOOP 12
Generic / Condition Description:	STM GEN 12 INLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THOT IS THE COOLANT TEMPERATURE MEASURED AT THE INLET TO THE STEAM GEN. THOT PROVIDES INPUT TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR A TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	1SP3I13A
Plant Specific Point Description:	TCOLD LOOP 11
Generic / Condition Description:	STM GEN 11 OUTLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 560 X <= 525
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE ALARM/TRIP SET POINTS SUPPLIED ABOVE ARE SPDS ALARM SET POINTS. TCOLD PROVIDES CONTROL ROOM AND AUX SHUTDOWN PANEL INDICATION. TCOLD ALSO SUPPLIES SIGNALS TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM. AS A DNB PARAMETER TCOLD IS REQUIRED TO BE LESS THAN 548 DEG WITH 4 REACTOR COOLANT PUMPS RUNNING.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	1SP3I13B
Plant Specific Point Description:	TCOLD LOOP 12
Generic / Condition Description:	STM GEN 12 OUTLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 560 X <= 525
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE ALARM/TRIP SET POINTS SUPPLIED ABOVE ARE SPDS ALARM SET POINTS. TCOLD PROVIDES CONTROL ROOM AND AUX SHUTDOWN PANEL INDICATION. TCOLD ALSO SUPPLIES SIGNALS TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM. AS A DNB PARAMETER TCOLD IS REQUIRED TO BE LESS THAN 548 DEG WITH 4 REACTOR COOLANT PUMPS RUNNING.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	1SP3I20
Plant Specific Point Description:	PRESSURIZER PRESSURE
Generic / Condition Description:	REACTOR COOLANT SYSTEM PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	4000
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 2400 X <= 1740
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR COOLANT PRESSURE IS THE AVERAGE OF 2 WIDE RANGE PRESSURIZER PRESSURE DETECTORS. THE SAFETY VALVES ARE SET TO OPEN AT 2500#. HIGH PRESSURE REACTOR TRIP OCCURS AT 2400#. PORVS OPEN AT 2400 PSIA ON A REACTOR TRIP FROM HIGH PRESSURE. SPRAY VALVE SETPOINT IS DEPENDENT ON CONTROLLER SETPOINT. BOTH SPRAY VALVES CLOSE AT 2300 PSIA. ESFAS ACTUATION IS INITIATED AT 1740#.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	1SP2I09
Plant Specific Point Description:	PRESSURIZER LEVEL
Generic / Condition Description:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	RE:USD
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 305 X <= 50
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	PRESSURIZER LEVEL IS NORMALLY CONTROLLED IN A BAND BETWEEN 160" TO 216" DURING NORMAL POWER OPERATIONS. PRESSURIZER HEATERS CUTOFF AT A LEVEL OF 101" IN THE PRESSURIZER. PRESSURIZER HEATERS WILL START TO BE UNCOVERED AT APPROX 84" OF INDICATED LEVEL. ZERO POINT REFERENCE: BOTTOM OF PRESSURIZER.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	1SP1114
Plant Specific Point Description:	CHG PUMP FLOW
Generic / Condition Description:	PRIMARY SYSTEM CHARGING/MAKEUP F
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	150
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	RE:USD (REFERENCE UNIQ SYS DESC)
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 3 CHARGING PUMPS THAT ARE RATED TO SUPPLY 44 GPM EACH TO THE RCS (REACTOR COOLANT SYSTEM). CHARGING PUMP #13 CAN BE POWERED FROM ONE OF TWO BUSES #11 OR #14. WHICH MUST BE MANUALLY SELECTED BY A "KIRK" KEY INTERLOCK SCHEME.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	HP SI FLOW
Point ID:	1SP2I15
Plant Specific Point Description:	HPSI FLOW
Generic / Condition Description:	HIGH PRESSURE SAFETY INJECTION F
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1600
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	SUM OF FLOW LOOPS 11A, 11B, 12A, 12B
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	3 HIGH PRESSURE SAFETY INJECTION PUMPS DELIVER EMERGENCY COOLANT TO ALL FOUR COLD LEGS. SHUTOFF HEAD PRESSURE IS 1275 PSIA. ONLY TWO PUMPS WILL START. 12 HPSI IS MAINTAINED IN PULL TO LOCK. 2 INDEPENDENT SUCTION HEADERS SUPPLY WATER FROM THE REFUELING WATER TANK UNTIL THE TANK IS DOWN TO 10% FULL. AFTER THE RWT IS DOWN TO 10% FULL THE HPSI LINE IS CHANGED TO PROVIDE SUCTION FROM THE CONTAINMENT SUMP.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	LP SI FLOW
Point ID:	1SP2I16
Plant Specific Point Description:	LPSI FLOW
Generic / Condition Description:	LOW PRESSURE SAFETY INJECTION FL
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	8000
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	2 LOW PRESSURE SAFETY INJECTION PUMPS SUPPLY LOW HEAD/HIGH VOLUME COOLANT TO THE COLD LEGS. EACH LPSI PUMP TAKES A SUCTION OFF A SEPARATE HEADER FROM THE RWT. DURING RECIRCULATION MODE (APPROX 36 MIN AFTER A D.B.A.) THE LPSI PUMPS ARE SHUT DOWN AND THE HPSI PUMPS TAKE SUCTION FROM THE CONTAINMENT SUMP TO RECIRCULATE WATER THROUGH THE SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	1SP4I12
Plant Specific Point Description:	CNTMT LEVEL
Generic / Condition Description:	CONTAINMENT SUMP WIDE RNG LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	120
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CONTAINMENT EMERGENCY SUMP PROVIDES ADEQUATE NPSH TO BOTH HPSI AND CONTAINMENT SPRAY PUMPS WHEN IN THE RECIRCULATION MODE. TWO 24" DIAMETER RECIRC LINES SUPPLY WATER TO THE CONTAINMENT SPRAY AND SAFETY INJECTION SYSTEM. THE SUMP IS COVERED WITH A METAL GRATING TO PREVENT DEBRIS FROM ENTERING THE SUMP.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	1R5415I
Plant Specific Point Description:	WR EFF MONITOR
Generic / Condition Description:	RADIOACTIVITY OF RELEASED GASSES
Analog / Digital:	A
ENGR Units / Digital States:	UCI/SEC
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E13
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE EFFLUENT GAS RADIATION MONITOR MEASURES MAIN VENT STACK EFFLUENT GROSS ACTIVITY. 3 CHANNELS: LOW, MEDIUM, & HIGH ARE USED TO PROVIDE AN OUTPUT TO A FOURTH PSEUDO CHANNEL. THE RANGE OF ACTIVITY DETECTED DETERMINES WHICH CHANNEL (L,M,H) IS SELECTED. THE OUTPUT OF THE FOURTH CHANNEL COMBINES GASIOUS FLOW WITH THE MEASURED ACTIVITY TO PROVIDE THE EFFECTIVE EFFLUENT GROSS ACTIVITY.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	1SP6I20
Plant Specific Point Description:	LIQUID WASTE RAD
Generic / Condition Description:	RADIOACTIVITY OF RELEASED LIQUID
Analog / Digital:	A
ENGR Units / Digital States:	CPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 4.21E5
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	LIQUID WASTE PROCESSING MONITORS THE COMMON DISCHARGE HEADER FROM REACTOR COOLANT WASTE PROCESSING AND MISC WASTE PROCESS. 50000 CPM WILL AUTOMATICALLY CLOSE 2 DISCHARGE VALVES 0-CV-2201 & 0-CV-2202 TO ISOLATE FLOW TO THE CIRCULATION WATER DISCHARGE CONDUITS. ALARM LIMIT GIVEN IN ALARM/TRIP SET POINT IS THE SPDS ALARM LIMIT.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	COND A/E RAD
Point ID:	1SP6I17
Plant Specific Point Description:	OFF GAS RAD
Generic / Condition Description:	CONDENSER AIR EJECTOR RADIOACTIV
Analog / Digital:	A
ENGR Units / Digital States:	GPD
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	250
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	REFERENCE UNIQUE SYSTEM DESCRIPTION
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 5
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CONDENSER AIR EJECTOR DISCHARGE MONITOR INCLUDES FOUR RADIATION SENSORS. ONE SENSOR IS INSTALLED IN THE SUCTION SIDE OF EACH OF THE FOUR CONDENSER AIR REMOVAL PUMPS. OUTPUT SIGNALS ARE DISPLAYED IN THE CONTROL ROOM. THE AUCTIONEERED HIGH SIGNAL IS CONVERTED FROM CPM TO GALLONS PER DAY (GPD) AND IS USED AS AN EARLY INDICATION OF A PRIMARY TO SECONDARY LEAK THROUGH THE S/G TUBES.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	1SP6I21
Plant Specific Point Description:	CNTMT RAD
Generic / Condition Description:	RADIATION LEVEL IN CONTAINMENT
Analog / Digital:	A
ENGR Units / Digital States:	R/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1
Maximum Instrument Range:	1E8
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 6
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THESE CONTAINMENT RADIATION MONITORS MEASURE GAMMA RADIATION LEVELS IN CONTAINMENT UNDER ACCIDENT CONDITIONS. THE DETECTORS ARE LOCATED AT THE 73-FOOT LEVEL AND ARE PLACED NEAR THE PRESSURIZER AND #11 STEAM GEN.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	1R5202!
Plant Specific Point Description:	PROCESS RAD MONITOR
Generic / Condition Description:	RAD LEVEL OF RCS LETDOWN LINE
Analog / Digital:	A
ENGR Units / Digital States:	CPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CVCS LTDN RAD MONITOR IS INSTALLED IN THE LET DOWN LINE TO MONITOR GROSS REACTOR COOLANT ACTIVITY INDICATING A POTENTIAL FUEL ELEMENT FAILURE.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	MAIN SL 1/A
Point ID:	1R5421!
Plant Specific Point Description:	MAIN STM RAD LP 11
Generic / Condition Description:	STM GEN 11 STEAM LINE RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	uCi/cc
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-2
Maximum Instrument Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE MAIN STEAM EFFLUENT RADIATION DETECTORS MONITOR FOR NOBLE GASSES WITHIN THE MAIN STEAM LINE. THE MONITORS ARE LOCATED ON THE 27-FOOT LEVEL OF THE AUX BUILDING IN THE MSIV ROOM.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	MAIN SL 2/B
Point ID:	1R5422!
Plant Specific Point Description:	MAIN STM RAD LP 12
Generic / Condition Description:	STM GEN 12 STEAM LINE RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	uCi/cc
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-2
Maximum Instrument Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE MAIN STEAM EFFLUENT RADIATION DETECTORS MONITOR FOR NOBLE GASSES WITHIN THE MAIN STEAM LINE. THE MONITORS ARE LOCATED ON THE 27-FOOT LEVEL OF THE AUX BUILDING IN THE MSIV ROOM.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	SG BD RAD 1A
Point ID:	1R4014!
Plant Specific Point Description:	STM GEN BLOWDOWN ACTIVITY
Generic / Condition Description:	STM GEN 11 BLOWDOWN RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	CPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 5E4
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THIS DETECTOR MONITORS A SMALL PORTION OF THE STM GEN BLOWDOWN TO PROVIDE OPERATORS WITH AN EARLY INDICATION OF STM GEN U-TUBE LEAKAGE. ACTUATION OF THE HIGH ALARM AUTOMATICALLY SHUT THE SURFACE BLOWDOWN AND THE BOTTOM BLOWDOWN ISOLATION VALVES. OF BOTH #11 & #12 STEAM GENERATORS THIS MONITOR IS IN THE LINE OF THE BLOWDOWN TANK AND IS COMMON TO BOTH STM GEN.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	1SP4I10
Plant Specific Point Description:	CNTMT PRESSURE
Generic / Condition Description:	CONTAINMENT PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-5
Maximum Instrument Range:	150
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 2.8
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THERE ARE A TOTAL OF 3 CONTAINMENT PRESSURE INDICATORS. TWO PROVIDE WIDE RANGE PRESSURE INDICATION, -5 TO +150 AND 0 TO 150 PSIG, FOR POST ACCIDENT MONITORING. THE THIRD INDICATOR IS A NARROW RANGE INDICATION -5 TO +5 PSIG WHICH PROVIDES CONTAINMENT DIFFERENTIAL PRESSURE. ACTUATIONS OCCUR: CIS @ 2.8 PSIG; CSAS @ 4.25 PSIG; SIAS @ 2.8 PSIG; RPS @ 2.4 PSIG.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	1SP4I11
Plant Specific Point Description:	CNTMT TEMPERATURE
Generic / Condition Description:	CONTAINMENT TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	300
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 220
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 2 CONTAINMENT TEMP DETECTORS. ONE MEASURES DOME TEMP, ANOTHER MEASURES THE REACTOR CAVITY TEMP. BOTH OF THESE PROVIDE INDICATION TO THE CONTROL ROOM OPERATORS.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	BWST LEVEL
Point ID:	1SP2RWLV
Plant Specific Point Description:	REFUELING WATER TANK LEVEL
Generic / Condition Description:	BORATED WATER STORAGE TANK LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	FEET
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	40
Zero Point Reference:	TNKBOT
Reference Point Notes	RE:USD (REFERENCE UNIQ SYS DESC)
Proc or Sens:	P
Number of Sensors:	2
How Processed:	WR SENSOR WHEN OUTSIDE NR SENSOR BAND
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	THE REFUELING WATER TANK SUPPLIES 2300-2700 PPM BORATED WATER TO THE SAFETY INJECTION SYSTEM AND ALSO SUPPLIES WATER FOR USE DURING REFUELING. TANK CAPACITY IS 420,000 GALS. AT 2.5 FEET THE SAFETY INJECTION LINE-UP IS SWITCHED TO THE RECIRCULATION MODE. THIS LEVEL IS EQUAL TO APPROX 10% OF TANK VOLUME.

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	WIND SPEED
Point ID:	1WS60#15M
Plant Specific Point Description:	WIND SPEED 60 METER 15 MINUTE AVG
Generic / Condition Description:	WIND SPEED AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	M/S
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 22
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND SPEED INDICATION IN METERS PER SECOND TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER LOCATED ON SITE. 60 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	WIND DIR
Point ID:	1WD60#15M
Plant Specific Point Description:	WIND DIRECTION 60 METER 15 MINUTE AVG
Generic / Condition Description:	WIND DIRECTION AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	DEG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	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:	0 DEGREES (NORTH)
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND DIRECTION TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER ON SITE. 60 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	WIND SPEED
Point ID:	1WS10#15M
Plant Specific Point Description:	WIND SPEED 10 METER 15 MINUTE AVG
Generic / Condition Description:	WIND SPEED AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	M/S
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 22
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND SPEED INDICATION IN METERS PER SECOND TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER LOCATED ON SITE. 10 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	WIND DIR
Point ID:	1WD10#15M
Plant Specific Point Description:	WIND DIRECTION 10 METER 15 MINUTE AVG
Generic / Condition Description:	WIND DIRECTION AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	DEG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	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:	0 DEGREES (NORTH)
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND DIRECTION TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER ON SITE. 10 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	ATMOSPHERIC STABILITY
Point ID:	1MMS_DTASTB
Plant Specific Point Description:	WIND STABILITY BASED ON DELTA TEMP (A)
Generic / Condition Description:	AIR STABILITY AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	N/A
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0 (A)
Maximum Instrument Range:	6 (G)
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	1
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	ATMOSPHERIC STABILITY BASED ON DELTA T (60 METER TEMPERATURE MINUS 10 METER TEMPERATURE, CHANNEL A). CALCULATED ON THE PLANT COMPUTER. VALUES 0 TO 6 CORRESPOND TO STABILITY CLASSES A (EXTREMELY UNSTABLE) TO G (EXTREMELY STABLE). 0=A, 1=B, 2=C, 3=D, 4=E, 5=F, 6=G

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Date:	5/4/2015
Reactor Unit:	CC1
Data Feeder:	CC11
NRC ERDS Parameter:	ATMOSPHERIC STABILITY
Point ID:	1MMS_S60STB
Plant Specific Point Description:	60 METER WIND STABILITY - SIGMA-THETA
Generic / Condition Description:	AIR STABILITY AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	N/A
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0 (A)
Maximum Instrument Range:	6 (G)
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	1
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	ATMOSPHERIC STABILITY BASED ON SIGMA-THETA. CALCULATED ON THE PLANT COMPUTER. VALUES 0 TO 6 CORRESPOND TO STABILITY CLASSES A (EXTREMELY UNSTABLE) TO G (EXTREMELY STABLE). 0=A, 1=B, 2=C, 3=D, 4=E, 5=F, 6=G

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	NI POWER RNG
Point ID:	2SP1I09
Plant Specific Point Description:	WIDE RANGE POWER
Generic / Condition Description:	NUCLEAR INSTRUMENTS, POWER RANGE
Analog / Digital:	A
ENGR Units / Digital States:	%
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-8
Maximum Instrument Range:	200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	AVG OF THE TWO CLOSEST CHANNEL VALUES
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power Supply Cut-Off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIDE RANGE NUCLEAR INSTRUMENTATION PROVIDES AN INDICATION OF REACTOR POWER AS A PERCENT OF REACTOR POWER. START UP RATE REACTOR TRIP IS GIVEN FROM WIDE RANGE NUCLEAR INSTRUMENTS BETWEEN THE RANGE OF 1E-4% TO 15% POWER. THESE DETECTORS ARE FISSION CHAMBERS WHICH DO NOT GET DEENERGIZED DURING NORMAL POWER OPERATIONS.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	REC VES LEV
Point ID:	2SP2112
Plant Specific Point Description:	REACTOR VESSEL LEVEL
Generic / Condition Description:	REACTOR VESSEL WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	FAP
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	16
How Processed:	RE:USD (REFERENCE UNIQUE SYS DESC)
Sensor Locations	160,151,112,71,50,29,19, & 10" ABOVE FAP
Alarm / Trip Setpoints:	VOID DETECTED
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	8 HEATED JUNCTION THERMOCOUPLES (HJTC) ARE SPACED STRATEGICALLY IN A VACANT CEA SHROUD ASSEMBLY NEAR THE VICINITY OF ONE HOT LEG OUTLET NOZZLE. AS HJTC IS UNCOVERED THE LVL THAT THE REACTOR HEAD IS UNCOVERED IS INDICATED IN INCREMENTAL STEPS. THE 1ST HJTC IS 160" FROM TOP OF FUEL ALIGNMENT PLATE(FAP); 8TH HJTC IS 10" FROM FAP; 5TH HJTC IS 50" FROM FAP WHICH IS THE CENTER LINE OF THE HOT LEGS. HOW PROCESSED: WHEN LVL DECREASES A VOID IN THE HJTC WILL PROVIDE AN OUTPUT SIGNAL FOR THAT SPECIFIC HJTC POSITION.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	2SP2I13
Plant Specific Point Description:	CORE EXIT TEMP
Generic / Condition Description:	HIGHEST TEMP AT THE CORE EXIT
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	40
Maximum Instrument Range:	2300
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	35
How Processed:	AVG EACH QUADRANT'S PTS:SHOW HIGH AVG
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 650
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	CORE EXIT THERMOCOUPLES ARE LOCATED AT THE TOP OF THE INCORE INSTRUMENT DETECTOR ASSEMBLIES WITHIN 35 SELECTED FUEL ASSEMBLIES. THESE DETECTORS ARE DIVIDED INTO QUADRANTS AND EACH QUADRANT IS AVERAGED. THIS POINT IS THE HIGHEST QUADRANT AVG.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SUB MARGIN
Point ID:	2SP3I23
Plant Specific Point Description:	CORE SUBCOOLED MARGIN
Generic / Condition Description:	SATURATION TEMPERATURE-HIGH CET
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	37
How Processed:	RE: USD (REFERENCE UNIQUE SYS DESC)
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	CORE SUBCOOLED MARGIN IS CALCULATED BY THE SATURATION TEMPERATURE AS DETERMINED FROM PRESSURIZER PRESSURE (SP3I20) MINUS THE CORE EXIT TEMP (SP2I13).

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CORE FLOW
Point ID:	2F131A
Plant Specific Point Description:	RCS TOTAL FLOW CH A
Generic / Condition Description:	TOTAL REACTOR COOLANT FLOW
Analog / Digital:	A
ENGR Units / Digital States:	%
ENGR Units Conversion:	100% RX COOLANT FLOW = 370,000 GPM
Minimum Instrument Range:	-54.35
Maximum Instrument Range:	153.68
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR COOLANT FLOW IS DETERMINED BY THE D/P ACROSS THE STEAM GENERATORS. WHERE TOTAL FLOW IS THE SUM OF BOTH LOOP FLOWS.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	2SP3I17A
Plant Specific Point Description:	SG LEVEL LOOP 21
Generic / Condition Description:	STEAM GENERATOR 21 WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-401.0
Maximum Instrument Range:	63.5
Zero Point Reference:	N/A
Reference Point Notes	0" = 40" ABOVE THE FEED RING
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 50 X <=-170
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	A LOW LEVEL REACTOR TRIP OCCURS AT -50" AS READ ON THE NARROW RANGE LEVEL DETECTOR. AFAS WILL ACTUATE AT -170" AS READ ON THE WIDE RANGE S/G LVL DETECTOR. POINT ID SP3I17A IS A WIDE RANGE LVL INDICATOR.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	2SP3I17B
Plant Specific Point Description:	SG LEVEL LOOP 22
Generic / Condition Description:	STEAM GENERATOR 22 WATER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-401.0
Maximum Instrument Range:	63.5
Zero Point Reference:	N/A
Reference Point Notes	0" = 40" ABOVE THE FEED RING
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 50 X <=-170
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	A LOW LEVEL REACTOR TRIP OCCURS AT -50" AS READ ON THE NARROW RANGE LEVEL DETECTOR. AFAS WILL ACTUATE AT -170" AS READ ON THE WIDE RANGE S/G LVL DETECTOR. POINT ID SP3I17B IS A WIDE RANGE LVL INDICATOR.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG PRESS 1/A
Point ID:	2SP3I16A
Plant Specific Point Description:	SG PRESSURE LOOP 21
Generic / Condition Description:	STEAM GENERATOR 21 PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 950 X <= 703
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR TRIP OCCURS AT 703# TO PREVENT EXCESSIVE HEAT EXTRACTIONS FROM HIGH STEAM FLOW DUE TO STM LINE RUPTURE OR COMP FAILURE.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG PRESS 2/B
Point ID:	2SP3I16B
Plant Specific Point Description:	SG PRESSURE LOOP 22
Generic / Condition Description:	STEAM GENERATOR 22 PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1200
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 950 X <= 703
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR TRIP OCCURS AT 703# TO PREVENT EXCESSIVE HEAT EXTRACTIONS FROM HIGH STEAM FLOW DUE TO STM LINE RUPTURE OF COMP FAILURE.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	MN FD FL 1/A
Point ID:	2F1111%
Plant Specific Point Description:	FW FLOW TO STEAM GEN. 21
Generic / Condition Description:	STM GEN 21 MAIN FEEDWATER FLOW
Analog / Digital:	A
ENGR Units / Digital States:	KLB/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	8
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Description:	THIS IS A TEMPERATURE COMPENSATED FEED FLOW. 2 STEAM DRIVEN MAIN FEED PUMPS EACH CAPABLE OF SUPPLYING FEED WATER EXCEEDING 50% FEED FLOW DEMAND. UPON A MAIN TURBINE TRIP FEED REG VALVES CLOSE AND FEED REG BYPASS VALVES ARE POSITIONED TO MAINTAIN 5% OF MAIN FEED WATER FLOW WHEN FEED PUMPS ARE RUNNING.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	MN FD FL 2/B
Point ID:	2F1121%
Plant Specific Point Description:	FW FLOW TO STEAM GEN. 22
Generic / Condition Description:	STM GEN 22 MAIN FEEDWATER FLOW
Analog / Digital:	A
ENGR Units / Digital States:	KLB/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	N/A
Maximum Instrument Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	8
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Description:	THIS IS A TEMPERATURE COMPENSATED FEED FLOW. 2 STEAM DRIVEN MAIN FEED PUMPS EACH CAPABLE OF SUPPLYING FEED WATER EXCEEDING 50% FEED FLOW DEMAND. UPON A MAIN TURBINE TRIP FEED REG VALVES CLOSE AND FEED REG BYPASS VALVES ARE POSITIONED TO MAINTAIN 5% OF MAIN FEED WATER FLOW WHEN FEED PUMPS ARE RUNNING.

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Date: 5/4/2015

Reactor Unit: CC2

Data Feeder: CC21

NRC ERDS Parameter: AX FD FL 1/A

Point ID: 2SP3I18A

Plant Specific Point Description: AUX FEED FLOW LOOP 21

Generic / Condition Description: STM GEN 21 AUXILIARY FW FLOW

Analog / Digital: A

ENGR Units / Digital States: GPM

ENGR Units Conversion: N/A

Minimum Instrument Range: 0

Maximum Instrument Range: 1250

Zero Point Reference: N/A

Reference Point Notes N/A

Proc or Sens: P

Number of Sensors: 2

How Processed: SUM:MTR DRIVEN & TURB DRIVEN PMPS DISCH

Sensor Locations N/A

Alarm / Trip Setpoints: N/A

NI Detector Power

Supply Cut-Off Power Level: N/A

NI Detector Power

Supply Turn-on Power Level: N/A

Instrument Failure Mode: N/A

**Temperature Compensation
for DP Transmitters:** N

Level Reference Leg: N/A

Unique System Description: THERE ARE 2 STEAM TURBINE DRIVEN PUMPS AND ONE ELECTRIC DRIVEN PUMP. THE TURBINE DRIVEN PUMPS DISCHARGE TO A COMMON HEADER FOR BOTH #21 & #22 STM GENS. THE MOTOR DRIVEN PUMP DISCHARGES TO A SEPARATE HEADER FOR BOTH #21 & #22 STM GENS. BOTH FLOW HEADERS COMBINE TO SUPPLY THE AUX FEED NOZZLE FOR EACH STM GEN. THE NORMAL SUPPLY TO AFW PUMP SUCTION IS FROM #12 CONDENSATE STORAGE TANK. ONLY 1 STEAM DRIVEN PUMP IS NORMALLY ALIGNED TO START.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	AX FD FL 2/B
Point ID:	2SP3118B
Plant Specific Point Description:	AUX FEED FLOW LOOP 22
Generic / Condition Description:	STM GEN 22 AUXILIARY FW FLOW
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1250
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	SUM:MTR DRIVEN & TURB DRIVEN PMPS DISCH
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 2 STEAM TURBINE DRIVEN PUMPS AND ONE ELECTRIC DRIVEN PUMP. THE TURBINE DRIVEN PUMPS DISCHARGE TO A COMMON HEADER FOR BOTH #21 & #22 STM GENS. THE MOTOR DRIVEN PUMP DISCHARGES TO A SEPARATE HEADER FOR BOTH #21 & #22 STM GENS. BOTH FLOW HEADERS COMBINE TO SUPPLY THE AUX FEED NOZZLE FOR EACH STM GEN. THE NORMAL SUPPLY TO AFW PUMP SUCTION IS FROM #12 CONDENSATE STORAGE TANK. ONLY 1 STEAM DRIVEN PUMP IS NORMALLY ALIGNED TO START.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	2SP0I06A
Plant Specific Point Description:	THOT LOOP 21
Generic / Condition Description:	STM GEN 21 INLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THOT IS THE COOLANT TEMPERATURE MEASURED AT THE INLET TO THE STEAM GEN. THOT PROVIDES INPUT TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR A TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	2SP0I06B
Plant Specific Point Description:	THOT LOOP 22
Generic / Condition Description:	STM GEN 22 INLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THOT IS THE COOLANT TEMPERATURE MEASURED AT THE INLET TO THE STEAM GEN. THOT PROVIDES INPUT TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR A TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	2SP3I13A
Plant Specific Point Description:	TCOLD LOOP 21
Generic / Condition Description:	STM GEN 21 OUTLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 560 X <= 525
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE ALARM/TRIP SET POINTS SUPPLIED ABOVE ARE SPDS ALARM SET POINTS. TCOLD PROVIDES CONTROL ROOM AND AUX SHUTDOWN PANEL INDICATION. TCOLD ALSO SUPPLIES SIGNALS TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM. AS A DNB PARAMETER TCOLD IS REQUIRED TO BE LESS THAN 548 DEG WITH 4 REACTOR COOLANT PUMPS RUNNING.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	2SP3I13B
Plant Specific Point Description:	TCOLD LOOP 22
Generic / Condition Description:	STM GEN 22 OUTLET TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	700
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 560 X <= 525
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE ALARM/TRIP SET POINTS SUPPLIED ABOVE ARE SPDS ALARM SET POINTS. TCOLD PROVIDES CONTROL ROOM AND AUX SHUTDOWN PANEL INDICATION. TCOLD ALSO SUPPLIES SIGNALS TO THE SUBCOOLED MARGIN MONITOR AND THE THERMAL MARGIN/LOW PRESSURE (TM/LP) CIRCUIT FOR TOTAL POWER CALCULATION IN THE REACTOR PROTECTION SYSTEM. AS A DNB PARAMETER TCOLD IS REQUIRED TO BE LESS THAN 548 DEG WITH 4 REACTOR COOLANT PUMPS RUNNING.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	2SP3I20
Plant Specific Point Description:	PRESSURIZER PRESSURE
Generic / Condition Description:	REACTOR COOLANT SYSTEM PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIA
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	4000
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 2400 X <= 1740
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	REACTOR COOLANT PRESSURE IS THE AVERAGE OF 2 WIDE RANGE PRESSURIZER PRESSURE DETECTORS. THE SAFETY VALVES ARE SET TO OPEN AT 2500#. HIGH PRESSURE REACTOR TRIP OCCURS AT 2400#. PORVS OPEN AT 2400 PSIA ON A REACTOR TRIP FROM HIGH PRESSURE. SPRAY VALVE SETPOINT IS DEPENDENT ON CONTROLLER SETPOINT. BOTH SPRAY VALVES CLOSE AT 2300 PSIA. ESFAS ACTUATION IS INITIATED AT 1740#.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	2SP2I09
Plant Specific Point Description:	PRESSURIZER LEVEL
Generic / Condition Description:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	RE:USD
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 305 X <= 50
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	PRESSURIZER LEVEL IS NORMALLY CONTROLLED IN A BAND BETWEEN 160" TO 216" DURING NORMAL POWER OPERATIONS. PRESSURIZER HEATERS CUTOFF AT A LEVEL OF 101" IN THE PRESSURIZER. PRESSURIZER HEATERS WILL START TO BE UNCOVERED AT APPROX 84" OF INDICATED LEVEL. ZERO REFERENCE POINT: BOTTOM OF PRESSURIZER.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	2SP1114
Plant Specific Point Description:	CHG PUMP FLOW
Generic / Condition Description:	PRIMARY SYSTEM CHARGING/MAKEUP F
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	150
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	RE:USD (REFERENCE UNIQ SYS DESC)
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 3 CHARGING PUMPS THAT ARE RATED TO SUPPLY 44 GPM EACH TO THE RCS (REACTOR COOLANT SYSTEM). CHARGING PUMP #23 CAN BE POWERED FROM ONE OF TWO BUSES #21 OR #24. WHICH MUST BE MANUALLY SELECTED BY A "KIRK" KEY INTERLOCK SCHEME.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	HP SI FLOW
Point ID:	2SP2I15
Plant Specific Point Description:	HPSI FLOW
Generic / Condition Description:	HIGH PRESSURE SAFETY INJECTION F
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	1600
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	SUM OF FLOW LOOPS 21A, 21B, 22A, 22B
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	3 HIGH PRESSURE SAFETY INJECTION PUMPS DELIVER EMERGENCY COOLANT TO ALL FOUR COLD LEGS. SHUTOFF HEAD PRESSURE IS 1275 PSIA. ONLY TWO PUMPS WILL START. 22 HPSI IS MAINTAINED IN PULL TO LOCK. 2 INDEPENDENT SUCTION HEADERS SUPPLY WATER FROM THE REFUELING WATER TANK UNTIL THE TANK IS DOWN TO 10% FULL. AFTER THE RWT IS DOWN TO 10% FULL THE HPSI LINE IS CHANGED TO PROVIDE SUCTION FROM THE CONTAINMENT SUMP.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	LP SI FLOW
Point ID:	2SP2I16
Plant Specific Point Description:	LPSI FLOW
Generic / Condition Description:	LOW PRESSURE SAFETY INJECTION FL
Analog / Digital:	A
ENGR Units / Digital States:	GPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	8000
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N
Level Reference Leg:	N/A
Unique System Description:	2 LOW PRESSURE SAFETY INJECTION PUMPS SUPPLY LOW HEAD/HIGH VOLUME COOLANT TO THE COLD LEGS. EACH LPSI PUMP TAKES A SUCTION OFF A SEPARATE HEADER FROM THE RWT. DURING RECIRCULATION MODE (APPROX 36 MIN AFTER A D.B.A.) THE LPSI PUMPS ARE SHUT DOWN AND THE HPSI PUMPS TAKE SUCTION FROM THE CONTAINMENT SUMP TO RECIRCULATE WATER THROUGH THE SYSTEM.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	2SP4I12
Plant Specific Point Description:	CNTMT LEVEL
Generic / Condition Description:	CONTAINMENT SUMP WIDE RNG LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	INCHES
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	120
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CONTAINMENT EMERGENCY SUMP PROVIDES ADEQUATE NPSH TO BOTH HPSI AND CONTAINMENT SPRAY PUMPS WHEN IN THE RECIRCULATION MODE. TWO 24" DIAMETER RECIRC LINES SUPPLY WATER TO THE CONTAINMENT SPRAY AND SAFETY INJECTION SYSTEM. THE SUMP IS COVERED WITH A METAL GRATING TO PREVENT DEBRIS FROM ENTERING THE SUMP.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	2R5415!
Plant Specific Point Description:	WR EFF MONITOR
Generic / Condition Description:	RADIOACTIVITY OF RELEASED GASSES
Analog / Digital:	A
ENGR Units / Digital States:	UCI/SEC
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E13
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE EFFLUENT GAS RADIATION MONITOR MEASURES MAIN VENT STACK EFFLUENT GROSS ACTIVITY. 3 CHANNELS: LOW, MEDIUM, & HIGH ARE USED TO PROVIDE AN OUTPUT TO A FOURTH PSEUDO CHANNEL. THE RANGE OF ACTIVITY DETECTED DETERMINES WHICH CHANNEL (L,M,H) IS SELECTED. THE OUTPUT OF THE FOURTH CHANNEL COMBINES GASIOUS FLOW WITH THE MEASURED ACTIVITY TO PROVIDE THE EFFECTIVE EFFLUENT GROSS ACTIVITY.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	EFF LIQ RAD
Point ID:	2SP6I20
Plant Specific Point Description:	LIQUID WASTE RAD
Generic / Condition Description:	RADIOACTIVITY OF RELEASED LIQUID
Analog / Digital:	A
ENGR Units / Digital States:	CPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 4.21E5
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	LIQUID WASTE PROCESSING MONITORS THE COMMON DISCHARGE HEADER FROM REACTOR COOLANT WASTE PROCESSING AND MISC WASTE PROCESS. 50000 CPM WILL AUTOMATICALLY CLOSE 2 DISCHARGE VALVES 0-CV-2201 & 0-CV-2202 TO ISOLATE FLOW TO THE CIRCULATION WATER DISCHARGE CONDUITS. ALARM LIMIT GIVEN IN ALARM/TRIP SET POINT IS THE SPDS ALARM LIMIT.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	COND A/E RAD
Point ID:	2SP6I17
Plant Specific Point Description:	OFF GAS RAD
Generic / Condition Description:	CONDENSER AIR EJECTOR RADIOACTIV
Analog / Digital:	A
ENGR Units / Digital States:	GPD
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	250
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	4
How Processed:	REFERENCE UNIQUE SYSTEM DESCRIPTION
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 5
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CONDENSER AIR EJECTOR DISCHARGE MONITOR INCLUDES FOUR RADIATION SENSORS. ONE SENSOR IS INSTALLED IN THE SUCTION SIDE OF EACH OF THE FOUR CONDENSER AIR REMOVAL PUMPS. OUTPUT SIGNALS ARE DISPLAYED IN THE CONTROL ROOM. THE AUCTIONEERED HIGH SIGNAL IS CONVERTED FROM CPM TO GALLONS PER DAY (GPD) AND IS USED AS AN EARLY INDICATION OF A PRIMARY TO SECONDARY LEAK THROUGH THE S/G TUBES.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	2SP6I21
Plant Specific Point Description:	CNTMT RAD
Generic / Condition Description:	RADIATION LEVEL IN CONTAINMENT
Analog / Digital:	A
ENGR Units / Digital States:	R/HR
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1
Maximum Instrument Range:	1E8
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 6
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THESE CONTAINMENT RADIATION MONITORS MEASURE GAMMA RADIATION LEVELS IN CONTAINMENT UNDER ACCIDENT CONDITIONS. THE DETECTORS ARE LOCATED AT THE 73-FOOT LEVEL AND ARE PLACED NEAR THE PRESSURIZER AND #21 STEAM GEN.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	RCS LTDN RAD
Point ID:	2R5202!
Plant Specific Point Description:	PROCESS RAD MONITOR
Generic / Condition Description:	RAD LEVEL OF RCS LETDOWN LINE
Analog / Digital:	A
ENGR Units / Digital States:	KCPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-2
Maximum Instrument Range:	1E3
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE CVCS LTDN RAD MONITOR IS INSTALLED IN THE LET DOWN LINE TO MONITOR GROSS REACTOR COOLANT ACTIVITY INDICATING A POTENTIAL FUEL ELEMENT FAILURE.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	MAIN SL 1/A
Point ID:	2R5421!
Plant Specific Point Description:	MAIN STM RAD LP 21
Generic / Condition Description:	STM GEN 21 STEAM LINE RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	uCi/cc
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-2
Maximum Instrument Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE MAIN STEAM EFFLUENT RADIATION DETECTORS MONITOR FOR NOBLE GASSES WITHIN THE MAIN STEAM LINE. THE MONITORS ARE LOCATED ON THE 27-FOOT LEVEL OF THE AUX BUILDING IN THE MSIV ROOM.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	MAIN SL 2/B
Point ID:	2R5422!
Plant Specific Point Description:	MAIN STM RAD LP 22
Generic / Condition Description:	STM GEN 22 STEAM LINE RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	uCi/cc
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E-2
Maximum Instrument Range:	1E5
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THE MAIN STEAM EFFLUENT RADIATION DETECTORS MONITOR FOR NOBLE GASSES WITHIN THE MAIN STEAM LINE. THE MONITORS ARE LOCATED ON THE 27-FOOT LEVEL OF THE AUX BUILDING IN THE MSIV ROOM.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG BD RAD 1A
Point ID:	2R4014!
Plant Specific Point Description:	STM GEN BLOWDOWN ACTIVITY
Generic / Condition Description:	STM GEN 21 BLOWDOWN RAD LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	CPM
ENGR Units Conversion:	N/A
Minimum Instrument Range:	1E1
Maximum Instrument Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	INVERSE LOG OF INSTRUMENT VALUE
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 5E4
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THIS DETECTOR MONITORS A SMALL PORTION OF THE STM GEN BLOWDOWN TO PROVIDE OPERATORS WITH AN EARLY INDICATION OF STM GEN U-TUBE LEAKAGE. ACTUATION OF THE HIGH ALARM AUTOMATICALLY SHUT THE SURFACE BLOWDOWN AND THE BOTTOM BLOWDOWN ISOLATION VALVES. OF BOTH #11 & #12 STEAM GENERATORS THIS MONITOR IS IN THE LINE OF THE BLOWDOWN TANK AND IS COMMON TO BOTH STM GEN.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	2SP4I10
Plant Specific Point Description:	CNTMT PRESSURE
Generic / Condition Description:	CONTAINMENT PRESSURE
Analog / Digital:	A
ENGR Units / Digital States:	PSIG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	-5
Maximum Instrument Range:	150
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	3
How Processed:	AVG OF TWO CHNLS (AUCTIONEERED:WR OR NR)
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 2.8
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THERE ARE A TOTAL OF 3 CONTAINMENT PRESSURE INDICATORS. TWO PROVIDE WIDE RANGE PRESSURE INDICATION, -5 TO +150 AND 0 TO 150 PSIG, FOR POST ACCIDENT MONITORING. THE THIRD INDICATOR IS A NARROW RANGE INDICATION -5 TO +5 PSIG WHICH PROVIDES CONTAINMENT DIFFERENTIAL PRESSURE. ACTUATIONS OCCUR: CIS @ 2.8 PSIG; CSAS @ 4.25 PSIG; SIAS @ 2.8 PSIG; RPS @ 2.4 PSIG.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	2SP4I11
Plant Specific Point Description:	CNTMT TEMPERATURE
Generic / Condition Description:	CONTAINMENT TEMPERATURE
Analog / Digital:	A
ENGR Units / Digital States:	DEGF
ENGR Units Conversion:	N/A
Minimum Instrument Range:	50
Maximum Instrument Range:	300
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	2
How Processed:	AVG OF TWO CHANNELS
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 220
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	THERE ARE 2 CONTAINMENT TEMP DETECTORS. ONE MEASURES DOME TEMP, ANOTHER MEASURES THE REACTOR CAVITY TEMP. BOTH OF THESE PROVIDE INDICATION TO THE CONTROL ROOM OPERATORS.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	BWST LEVEL
Point ID:	2SP2RWLV
Plant Specific Point Description:	REFUELING WATER TANK LEVEL
Generic / Condition Description:	BORATED WATER STORAGE TANK LEVEL
Analog / Digital:	A
ENGR Units / Digital States:	FEET
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	40
Zero Point Reference:	TNKBOT
Reference Point Notes	RE:USD (REFERENCE UNIQ SYS DESC)
Proc or Sens:	P
Number of Sensors:	2
How Processed:	WR SENSOR WHEN OUTSIDE NR SENSOR BAND
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	WET
Unique System Description:	THE REFUELING WATER TANK SUPPLIES 2300-2700 PPM BORATED WATER TO THE SAFETY INJECTION SYSTEM AND ALSO SUPPLIES WATER FOR USE DURING REFUELING. TANK CAPACITY IS 420,000 GALS. AT 2.5 FEET THE SAFETY INJECTION LINE-UP IS SWITCHED TO THE RECIRCULATION MODE. THIS LEVEL IS EQUAL TO APPROX 10% OF TANK VOLUME.

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	WIND SPEED
Point ID:	2WS60#15M
Plant Specific Point Description:	WIND SPEED 60 METER 15 MINUTE AVG
Generic / Condition Description:	WIND SPEED AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	M/S
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 22
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND SPEED INDICATION IN METERS PER SECOND TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER LOCATED ON SITE. 60 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	WIND DIR
Point ID:	2WD60#15M
Plant Specific Point Description:	WIND DIRECTION 60 METER 15 MINUTE AVG
Generic / Condition Description:	WIND DIRECTION AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	DEG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	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:	0 DEGREES (NORTH)
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND DIRECTION TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER ON SITE. 60 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	WIND SPEED
Point ID:	2WS10#15M
Plant Specific Point Description:	WIND SPEED 10 METER 15 MINUTE AVG
Generic / Condition Description:	WIND SPEED AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	M/S
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	X >= 22
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND SPEED INDICATION IN METERS PER SECOND TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER LOCATED ON SITE. 10 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	WIND DIR
Point ID:	2WD10#15M
Plant Specific Point Description:	WIND DIRECTION 10 METER 15 MINUTE AVG
Generic / Condition Description:	WIND DIRECTION AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	DEG
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	360
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations	N/A
Alarm / Trip Setpoints:	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:	0 DEGREES (NORTH)
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WIND DIRECTION TO PLANT COMPUTER IS SUPPLIED FROM THE PRIMARY MET TOWER ON SITE. 10 METER ELEVATION

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	ATMOSPHERIC STABILITY
Point ID:	2MMS_DTASTB
Plant Specific Point Description:	WIND STABILITY BASED ON DELTA TEMP (A)
Generic / Condition Description:	AIR STABILITY AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	N/A
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0 (A)
Maximum Instrument Range:	6 (G)
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	1
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	ATMOSPHERIC STABILITY BASED ON DELTA T (60 METER TEMPERATURE MINUS 10 METER TEMPERATURE, CHANNEL A). CALCULATED ON THE PLANT COMPUTER. VALUES 0 TO 6 CORRESPOND TO STABILITY CLASSES A (EXTREMELY UNSTABLE) TO G (EXTREMELY STABLE). 0=A, 1=B, 2=C, 3=D, 4=E, 5=F, 6=G

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Date:	5/4/2015
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	ATMOSPHERIC STABILITY
Point ID:	2MMS_S60STB
Plant Specific Point Description:	60 METER WIND STABILITY - SIGMA-THETA
Generic / Condition Description:	AIR STABILITY AT REACTOR SITE
Analog / Digital:	A
ENGR Units / Digital States:	N/A
ENGR Units Conversion:	N/A
Minimum Instrument Range:	0 (A)
Maximum Instrument Range:	6 (G)
Zero Point Reference:	N/A
Reference Point Notes	N/A
Proc or Sens:	P
Number of Sensors:	1
How Processed:	COMPLEX
Sensor Locations	N/A
Alarm / Trip Setpoints:	N/A
NI Detector Power	
Supply Cut-Off Power Level:	N/A
NI Detector Power	
Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	N/A
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	ATMOSPHERIC STABILITY BASED ON SIGMA-THETA. CALCULATED ON THE PLANT COMPUTER. VALUES 0 TO 6 CORRESPOND TO STABILITY CLASSES A (EXTREMELY UNSTABLE) TO G (EXTREMELY STABLE). 0=A, 1=B, 2=C, 3=D, 4=E, 5=F, 6=G