



May 7, 2003

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit No. 2; Docket No. 50-318
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 table below provides a brief summary of the changes:

Point Identifier	Unit	Description	Previous Range	New Range
SP3I17A	2	Steam Generator 21 Water Level	-401.5:62.5 inches	-401.0:63.5 inches
SP3I17B	2	Steam Generator 22 Water Level	-401.5:62.5 inches	-401.0:63.5 inches
SP0I06A	2	Steam Generator 21 Inlet Temperature	212:705 DEGF	50:700 DEGF
SP0I06B	2	Steam Generator 22 Inlet Temperature	212:705 DEGF	50:700 DEGF
SP3I13A	2	Steam Generator 21 Outlet Temperature	212:705 DEGF	50:700 DEGF
SP3I13B	2	Steam Generator 22 Outlet Temperature	212:705 DEGF	50:700 DEGF

The Data Point Library Sheet for point SP3I23, Core Subcooled Margin, was revised to delete the alarm setpoint to match the SPDS Alarm Manual and to change the number of sensors from 45 to 35.

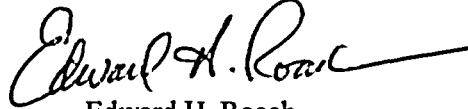
The "before" and "after" ERDS Data Point Library sheets are attached.

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Should you have questions regarding this matter, we will be pleased to discuss them with you.

Very truly yours,

A handwritten signature in black ink, appearing to read "Edward H. Roach", with a long horizontal flourish extending to the right.

Edward H. Roach
Director – Emergency Planning

EHR/CAN/bjd

Attachment: As Stated

cc: J. Petro, Esquire
J. E. Silberg, Esquire
Director, Project Directorate I-1, NRC
G. S. Vissing, NRC

H. J. Miller, NRC
Resident Inspector, NRC
R. I. McLean, DNR
J. R. Jolicoeur, NRC

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/04/92

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DATE: 07/05/91
REACTOR UNIT: CC2
DATA FEEDER: CC21
NRC ERDS PARAMETER: SUB MARGIN
POINT ID: SP3123
PLANT SPEC POINT DESC.: CORE SUBCOOLED MARGIN
GENERIC/COND DESC.: SATURATION TEMPERATURE-HIGH CET
ANALOG/DIGITAL: A
ENGR UNITS/DIG STATES: DEGF
ENGR UNITS CONVERSION: N/A
MINIMUM INSTR RANGE: 40
MAXIMUM INSTR RANGE: 2300
ZERO POINT REFERENCE: N/A
REFERENCE POINT NOTES: N/A
PROC OR SENS: P
NUMBER OF SENSORS: 45
HOW PROCESSED: AVG EACH QUADRANT'S PTS.: 4 QUADS-4 AVGS
SENSOR LOCATIONS: N/A
ALARM/TRIP SET POINTS: 2 OF 4 HIGHEST AVGS IN QUADRANT > 650
NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A
NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A
INSTRUMENT FAILURE MODE: N/A
TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N
LEVEL-REFERENCE-LEG: N/A
UNIQUE SYSTEM DESC.: CORE SUBCOOLED MARGIN IS CALCULATED BY THE
SATURATION TEMPERATURE AS DETERMINED FROM
PRESSURIZER PRESSURE MINUS THE CORE EXIT TEMP
(SP2113).

PWR Data Point Library Reference File

Report Date : 03-26-2003

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Date:	03/26/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SUB MARGIN
Point ID:	SP3123
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:	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.:4 QUADS-4 AVGS
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:	CORE SUBCOOLED MARGIN IS CALCULATED BY THE SATURATION TEMPERATURE AS DETERMINED FROM PRESSURIZER PRESSURE MINUS THE CORE EXIT TEMP (SP2113).

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/04/92

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DATE: 07/05/91

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: SG LEVEL 1/A

POINT ID: SP3117A

PLANT SPEC POINT DESC.: SG LEVEL LOOP 21

GENERIC/COND DESC.: STEAM GENERATOR 21 WATER LEVEL

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: INCHES

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -401.5

MAXIMUM INSTR RANGE: 62.5

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: 0" = 60" ABOVE THE FEED RING

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: AVG OF TWO CHANNELS

SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: X >= 50 X <=-170

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

~~LEVEL-REFERENCE-LEG:~~ ~~WET~~

UNIQUE SYSTEM DESC.: 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 SP3117A IS A WIDE RANGE LVL INDICATOR.

PWR Data Point Library Reference File

Report Date : 03-18-2003

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Date:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	SP3117A
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" = 60" 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
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 SP3117A IS A WIDE RANGE LVL INDICATOR.

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) DATE: 07/05/91

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: SG LEVEL 2/B

POINT ID: SP3117B

PLANT SPEC POINT DESC.: SG LEVEL LOOP 22

GENERIC/COND DESC.: STEAM GENERATOR 22 WATER LEVEL

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: INCHES

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -401.5

MAXIMUM INSTR RANGE: 62.5

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: 0" = 60" ABOVE THE FEED RING

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: AVG OF TWO CHANNELS

) SENSOR LOCATIONS: N/A

ALARM/TRIP SET POINTS: X >= 50 X <=-170

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: WET

UNIQUE SYSTEM DESC.: 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 SP3117B IS A WIDE RANGE LVL INDICATOR.

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Date:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	SP3117B
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" = 60" 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
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 SP3117B IS A WIDE RANGE LVL INDICATOR.

PWR DATA POINT LIBRARY REFERENCE FILE

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DATE: 08/15/91
REACTOR UNIT: CC2
DATA FEEDER: CC21
NRC ERDS PARAMETER: HL TEMP 1/A
POINT ID: SP0106A
PLANT SPEC POINT DESC.: THOT LOOP 21
GENERIC/COND DESC.: STM GEN 21 INLET TEMPERATURE
ANALOG/DIGITAL: A
ENGR UNITS/DIG STATES: DEGF
ENGR UNITS CONVERSION: N/A
MINIMUM INSTR RANGE: 212
MAXIMUM INSTR RANGE: 705
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 SET POINTS: N/A
NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A
NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A
INSTRUMENT FAILURE MODE: N/A
TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N
LEVEL REFERENCE LEG: N/A
UNIQUE SYSTEM DESC.: 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:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	HL TEMP 1/A
Point ID:	SPO106A
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
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: 08/15/91

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: HL TEMP 2/B

POINT ID: SP01068

PLANT SPEC POINT DESC.: THOT LOOP 22

GENERIC/COND DESC.: STM GEN 22 INLET TEMPERATURE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: DEGF

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 212

MAXIMUM INSTR RANGE: 705

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 SET POINTS: N/A

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: 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:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	HL TEMP 2/B
Point ID:	SP0106B
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
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: 08/15/91

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: CL TEMP 1/A

POINT ID: SP3113A

PLANT SPEC POINT DESC.: TCOLD LOOP 21

GENERIC/COND DESC.: STM GEN 21 OUTLET TEMPERATURE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: DEGF

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 212

MAXIMUM INSTR RANGE: 705

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 SET POINTS: $X \geq 560$ $X \leq 504$

NI DETECTOR POWER
SUPPLY CUT-OFF-POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: 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.

PWR Data Point Library Reference File

Report Date : 03-18-2003

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Date:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CL TEMP 1/A
Point ID:	SP3113A
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:	$X \geq 560$ $X \leq 504$
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:	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.

PWR DATA POINT LIBRARY REFERENCE FILE

REV DATE: 11/04/92
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DATE: 08/15/91

REACTOR UNIT: CC2

DATA FEEDER: CC21

NRC ERDS PARAMETER: CL TEMP 2/B

POINT ID: SP3113B

PLANT SPEC POINT DESC.: TCOLD LOOP 22

GENERIC/COND DESC.: STM GEN 22 OUTLET TEMPERATURE

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: DEGF

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 212

MAXIMUM INSTR RANGE: 705

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 SET POINTS: $X \geq 560$ $X \leq 504$

NI DETECTOR POWER
SUPPLY CUT-OFF POWER LEV: N/A

NI DETECTOR POWER
SUPPLY TURN-ON POWER LEV: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

~~LEVEL-REFERENCE-LEG:~~ ~~N/A~~

UNIQUE SYSTEM DESC.: 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.

PWR Data Point Library Reference File

Report Date : 03-18-2003

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Date:	03/18/2003
Reactor Unit:	CC2
Data Feeder:	CC21
NRC ERDS Parameter:	CL TEMP 2/B
Point ID:	SP3113B
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 <= 504
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:	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.