



# Florida Power

CORPORATION  
Crystal River Unit 3  
Docket No. 50-302

February 14, 1994  
3F0294-14

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

Subject: Emergency Response Data System

Reference: FPC to NRC letter, 3F1091-13, dated October 28, 1991

Dear Sir:

Florida Power Corporation stated in the Reference that additional data points for the Emergency Response Data System (ERDS) would be added by March 31, 1994 in accordance with the implementation program published in the Federal Register, Volume 56, No. 156, dated August 13, 1991. The attached data points complete the necessary library for the ERDS program for Crystal River Unit 3 and were incorporated into the system on February 7, 1994. This information is provided in accordance with 10 CFR 50, Appendix E, Section VI.3.a which states that data point changes must be submitted to the NRC within 30 days after the changes are completed.

Sincerely,

P. M. Beard, Jr.  
Senior Vice President  
Nuclear Operations

PMB:REF  
attachments

xc: Regional Administrator, Region II  
NRR Project Manager  
Senior Resident Inspector

200071

AD24  
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CRYSTAL RIVER ENERGY COMPLEX: 15760 W. Power Line Street • Crystal River, Florida 34428-6708 • (904) 795-6486

A Florida Progress Company

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## PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	Primary System Make-up Flow
Point ID:	W421
Plant Specific Point Description:	Makeup Flow (GPM)
Generic/Cond Description:	RCS CHG/MU
Analog/Digital:	A
Engineering Units/Digital State:	GPM
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	200
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Aux. Building up stream of MUV-31
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:	Mid-scale
Temperature Compensation for DP Transmitters:	No temperature compensation
Level Reference Leg:	N/A
Unique System Description:	(MUV-24-DPT) Make up flow is controlled on Pressurizer level and is injected into the A-1 RCS Cold Leg at RCP-1A.

## PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	High Pressure Safety Injection Flow
Point ID:	W703
Plant Specific Point Description:	HPI Flow MUV-25 (GPM)
Generic/Cond Description:	HP SI Flow
Analog/Digital:	A
Engineering Units/Digital State:	GPM
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Up stream of MUV-25 in Aux. Building
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:	Mid-scale
Temperature Compensation for DP Transmitters:	No temperature compensation
Level Reference Leg:	N/A
Unique System Description:	(MU-23-DP1) RCS safety injection flow into the B1 RCS Cold Leg at RCP-1C.

## PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	High Pressure Safety Injection Flow
Point ID:	W704
Plant Specific Point Description:	HPI Flow MUV-23 (GPM)
Generic/Cond Description:	HP SI Flow
Analog/Digital:	A
Engineering Units/Digital State:	GPM
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Up stream of MUV-23 in Aux. Building
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:	Mid-scale
Temperature Compensation for DP Transmitters:	No temperature compensation
Level Reference Leg:	N/A
Unique System Description:	(MU-23-DP2) RCS safety injection flow into the A2 RCS Cold Leg at RCP-1B.

### PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	High Pressure Safety Injection Flow
Point ID:	W705
Plant Specific Point Description:	HPI Flow MUV-26 (GPM)
Generic/Cond Description:	HP SI Flow
Analog/Digital:	A
Engineering Units/Digital State:	GPM
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Up stream of MUV-26 in Aux. Building
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:	Mid-scale
Temperature Compensation for DP Transmitters:	No temperature compensation
Level Reference Leg:	N/A
Unique System Description:	(MU-23-DP3) RCS safety injection flow into the B2 RCS Cold Leg at RCP-1D.

## PWR Data Point Library Reference File

**Date:**

**Reactor Unit:** CR3 - Crystal River-3

**Data Feeder:** N/A

**NRC ERDS Parameter:** High Pressure Safety Injection Flow

**Point ID:** W706

**Plant Specific Point Description:** HPI Flow MUV-24 (GPM)

**Generic/Cond Description:** HP SI Flow

**Analog/Digital:** A

**Engineering Units/Digital State:** GPM

**Engineering Units Conversion:** N/A

**Minimum Instrument Range:** 0

**Maximum Instrument Range:** 500

**Zero Point Reference:** N/A

**Reference Point Notes:** N/A

**PROC or SENS:** P

**Number of Sensors:** 1

**How Processed:** N/A

**Sensor Locations:** Up stream of MUV-24 in Aux. Building

**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:** Mid-scale

**Temperature Compensation for DP Transmitters:** No temperature compensation

**Level Reference Leg:** N/A

**Unique System Description:** (MU-23-DP4) RCS safety injection flow into the A1 RCS Cold Leg at RCP-1A.

## PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	Low Pressure Safety Injection Flow
Point ID:	W409
Plant Specific Point Description:	DH Flow A Pmp GPM
Generic/Cond Description:	LP SI Flow
Analog/Digital:	A
Engineering Units/Digital State:	GPM
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	5,000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Up stream of DHV-5 in Aux. Building
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:	Mid-scale
Temperature Compensation for DP Transmitters:	No temperature compensation
Level Reference Leg:	N/A
Unique System Description:	(DH-1-DPT1) The Low Pressure Safety Injection System is also used as the Decay (or Residual) Heat Removal System.

## PWR Data Point Library Reference File

**Date:** February 4, 1994

**Reactor Unit:** CR3 - Crystal River-3

**Data Feeder:** N/A

**NRC ERDS Parameter:** Low Pressure Safety Injection Flow

**Point ID:** W410

**Plant Specific Point Description:** DH Flow B Pmp GPM

**Generic/Cond Description:** LP SI Flow

**Analog/Digital:** A

**Engineering Units/Digital State:** GPM

**Engineering Units Conversion:** N/A

**Minimum Instrument Range:** 0

**Maximum Instrument Range:** 5,000

**Zero Point Reference:** N/A

**Reference Point Notes:** N/A

**PROC or SENS:** S

**Number of Sensors:** 1

**How Processed:** N/A

**Sensor Locations:** Up stream of DHV-6 in Aux. Building

**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:** Mid-scale

**Temperature Compensation for DP Transmitters:** No temperature compensation

**Level Reference Leg:** N/A

**Unique System Description:** (DH-1-DPT2) The Low Pressure Safety Injection System is also used as the Decay (or Residual) Heat Removal System.



### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Containment Sump Narrow Range Level
<b>Point ID:</b>	W415
<b>Plant Specific Point Description:</b>	RB Sump B Level (Ft)
<b>Generic/Cond Description:</b>	CTMNT SMP NR
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Feet
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	10
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	Sump bottom is at p.c. datum 84'6"
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Float in RB Sump
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	(WD-302B-LT) 23.6 gallons/inch sump level.

### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Containment Sump Narrow Range Level
<b>Point ID:</b>	W416
<b>Plant Specific Point Description:</b>	RB Sump A Level (Ft)
<b>Generic/Cond Description:</b>	CTMNT SMP NR
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Feet
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	10
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	Sump bottom is at plant datum 84'6"
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Float in RB Sump
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	(WD-302A-LT) 23.6 gallons/inch sump level

### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Containment Sump Wide Range Level
<b>Point ID:</b>	W402
<b>Plant Specific Point Description:</b>	RB Sump A Flt Lvl
<b>Generic/Cond Description:</b>	CTMNT SMP WR
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Feet
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	10
<b>Zero Point Reference:</b>	Plant datum 95'0"
<b>Reference Point Notes:</b>	Containment basement floor elevation
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	RB basement next to sump
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	(WD-303A-LT) This actually measures water level above the basement floor, after the sump is full.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Containment Sump Wide Range Level
<b>Point ID:</b>	W403
<b>Plant Specific Point Description:</b>	RB Sump B Fld Lvl
<b>Generic/Cond Description:</b>	CTMNT SMP WR
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Feet
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	10
<b>Zero Point Reference:</b>	Plant datum 95'0"
<b>Reference Point Notes:</b>	containment basement floor elevation
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	RB basement next to sump
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	(WD-303B-LT) This actually measures water level above the basement floor after the sump is full.

### PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	Containment Hydrogen Concentration
Point ID:	W413
Plant Specific Point Description:	Hydrogen B (Percent)
Generic/Cond Description:	H2 CONC
Analog/Digital:	A
Engineering Units/Digital State:	Percent
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	100
Zero Point Reference:	N/A
Reference Point Notes:	Cal. gas, 0%, 2.5%, 5%, 9.5% H <sub>2</sub>
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Controlled and indicated in the EFIC room, sensor in Aux. Building.
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:	Low
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	WS-010-CE

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Containment Hydrogen Concentration
<b>Point ID:</b>	W414
<b>Plant Specific Point Description:</b>	Hydrogen A (Percent)
<b>Generic/Cond Description:</b>	H2 CONC
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Percent
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	100
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	Cal gas, 0%, 2.5%, 5%, 9.5% H <sub>2</sub>
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Controlled and indicated in the EFIC room, sensor in the Au. Building
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	WS-011-CE

### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Borated Water Storage Tank Level
<b>Point ID:</b>	X335
<b>Plant Specific Point Description:</b>	Borated Wtr Storage Tnk Lvl
<b>Generic/Cond Description:</b>	BWST LEVEL
<b>Analog/Digital:</b>	A0
<b>Engineering Units/Digital State:</b>	Feet
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	50
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	BWST tank bottom, empty at 0" (above plant datum 119")
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	BWST building
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	Wet
<b>Unique System Description:</b>	(DH-7-LT) 4698 gallons a/6", full at 47' (441,612 gallons), water is also used for refueling canal filling.

### PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	Core Exit Temperature
Point ID:	R258
Plant Specific Point Description:	Incore Temperature 8-H
Generic/Cond Description:	Temp Core Ex
Analog/Digital:	A
Engineering Units/Digital State:	Deg F
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	2,500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Core exit thermocouple, center of fuel assembly at location 8-H (center of core)
Alarm/Trip Setpoints:	700
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn- on Power Level:	N/A
Instrument Failure Mode:	Mid-scale
Temperature Compensation for DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Description:	Core loaction 8-H is in the fuel assembly at the center of the core.



## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R261
<b>Plant Specific Point Description:</b>	Incore Temperature 8-F
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 8-F (centerline of core, two assemblies from center).
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Mid-scale
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	Core location 8-F is on the center line of the core, two assemblies from the center.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R264
<b>Plant Specific Point Description:</b>	Incore Temperature 7-E
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 7-E
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Mid-scale
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R268
<b>Plant Specific Point Description:</b>	Incore Temperature 5-K
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 5-K
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Mid-scale
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R270
<b>Plant Specific Point Description:</b>	Incore Temperature 7-M
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 7-M
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	N/A
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R273
<b>Plant Specific Point Description:</b>	Incore Temperature 9-M
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 9-M
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R280
<b>Plant Specific Point Description:</b>	Incore Temperature 13-F
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 13-F
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R286
<b>Plant Specific Point Description:</b>	Incore Temperature 9-C
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 9-C
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R290
<b>Plant Specific Point Description:</b>	Incore Temperature 5-D
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 5-D
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.



## PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R292
<b>Plant Specific Point Description:</b>	Incore Temperature 3-F
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 3-F
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

### PWR Data Point Library Reference File

<b>Date:</b>	February 4, 1994
<b>Reactor Unit:</b>	CR3 - Crystal River-3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	Core Exit Temperature
<b>Point ID:</b>	R299
<b>Plant Specific Point Description:</b>	Incore Temperature 5-O
<b>Generic/Cond Description:</b>	Temp Core Ex
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	Deg F
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2,500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	S
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	N/A
<b>Sensor Locations:</b>	Core exit thermocouple, center of fuel assembly at location 5-O
<b>Alarm/Trip Setpoints:</b>	700
<b>NI Detector Power Supply Cut-off Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	Low
<b>Temperature Compensation for DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.

### PWR Data Point Library Reference File

Date:	February 4, 1994
Reactor Unit:	CR3 - Crystal River-3
Data Feeder:	N/A
NRC ERDS Parameter:	Core Exit Temperature
Point ID:	R305
Plant Specific Point Description:	Incore Temperature 12-O
Generic/Cond Description:	Temp Core Ex
Analog/Digital:	A
Engineering Units/Digital State:	Deg F
Engineering Units Conversion:	N/A
Minimum Instrument Range:	0
Maximum Instrument Range:	2,500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	Core exit thermocouple, center of fuel assembly at location 12-O
Alarm/Trip Setpoints:	700
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:	See core map in FSAR, figure 3-67, for location of this detector relative to core geometry.