



Crystal River Nuclear Plant  
Docket No. 50-302  
Operating License No. DPR-72

Ref: 10 CFR 50, Appendix E

December 2, 2004  
3F1204-03

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Crystal River Unit 3 - Emergency Response Data System Data Point Library Changes

- References:
1. Letter to NRC, "Submittal of ERDS Implementation Program," dated October 28, 1991
  2. Letter to NRC, "Emergency Response Data System," dated February 14, 1994

Dear Sir:

The purpose of this letter is to correct information provided in the above referenced letters and to provide new data points for the Crystal River Unit 3 (CR-3) Emergency Response Data System (ERDS) Data Point Library. In Reference 1, Florida Power Corporation, now doing business as Progress Energy Florida, Inc. (PEF), stated, in part, that the ERDS data point for "Air Stability at Reactor Site" would be implemented during the second phase of the ERDS project in February 1993 and that the ERDS data point for "Saturation Temperature – Highest CET" would be implemented in the final phase of the ERDS project, no later than March 31, 1994.

In Reference 2, PEF provided Pressurized Water Reactor (PWR) Data Point Library Reference Files necessary to complete the ERDS Data Point Library for CR-3. However, PWR Data Point Library Reference Files for "Air Stability at Reactor Site" and "Saturation Temperature – Highest CET" were not included in that submittal. A comparison of the above referenced documents found no other anomalies within the ERDS Data Point Library. The omission is documented in the Progress Energy Corrective Action Program as Nuclear Condition Report 122174.

Upon further investigation, PEF determined that the "Saturation Temperature – Highest CET" parameter is not currently available as a data point in the Plant Process Computer System (PPCS) and will not be added to the CR-3 ERDS Data Point Library at this time. The parameter "Highest Temperature at Core Exit" does currently exist in the CR-3 ERDS Data Point Library. To enhance that data, two new data points were added to the PPCS and the CR-3 Data Point Library for the "Highest Temperature at Core Exit" on November 23, 2004.

The "Air Stability at Reactor Site" parameter has also been added to the PPCS database. Two new data points for this parameter were added to the CR-3 ERDS Data Point Library on November 23, 2004.

Progress Energy Florida, Inc.  
Crystal River Nuclear Plant  
15760 W. Powerline Street  
Crystal River, FL 34428

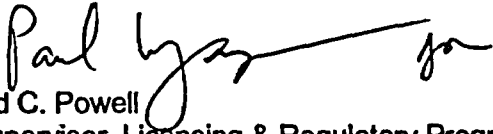
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The four new PWR Data Point Library Reference File data sheets for CR-3 are included as an attachment to this submittal. This information is provided in accordance with 10 CFR 50, Appendix E, Section VI.3.a, which states that data point changes must be submitted to the NRC within 30 days after the changes are completed.

No new regulatory commitments are made in this letter.

If you have any questions regarding this submittal, please contact me at (352) 563-4883.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul byson" followed by a long horizontal stroke.

Sid C. Powell  
Supervisor, Licensing & Regulatory Programs  
Crystal River Nuclear Plant

SCP/dwh

Attachment: Data Point Library Reference Files

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

**PROGRESS ENERGY FLORIDA, INC.**

**CRYSTAL RIVER UNIT 3**

**DOCKET NUMBER 50-302 / LICENSE NUMBER DPR-72**

**ATTACHMENT**

**DATA POINT LIBRARY REFERENCE FILES**

**PWR Data Point Library Reference File**

<b>Date:</b>	November 23, 2004
<b>Reactor Unit:</b>	CR-3 – Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	STAB CLASS
<b>Point ID:</b>	W702
<b>Plant Specific Point Description:</b>	Air Stability Class (Delta-T)
<b>Generic/Cond Description:</b>	Air Stability at the Reactor Site
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	NA
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	1
<b>Maximum Instrument Range:</b>	7
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	P
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	Compare delta-T to values in table
<b>Sensor Locations:</b>	Primary Met. Tower – 175'/33'
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off</b>	
<b>Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on</b>	
<b>Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	N/A
<b>Temperature Compensation for</b>	
<b>DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	This uses the Delta-T instrument, which displays the delta between the 175' and 33' readings on the primary Met. Tower.

**PWR Data Point Library Reference File**

<b>Date:</b>	November 23, 2004
<b>Reactor Unit:</b>	CR-3 – Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	STAB CLASS
<b>Point ID:</b>	W707
<b>Plant Specific Point Description:</b>	Air Stability Class (Sigma-Theta)
<b>Generic/Cond Description:</b>	Air Stability at the Reactor Site
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	N/A
<b>Engineering Units Conversion:</b>	N/A
<b>Minimum Instrument Range:</b>	1
<b>Maximum Instrument Range:</b>	7
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	P
<b>Number of Sensors:</b>	1
<b>How Processed:</b>	Compare Sigma-Theta to values in table
<b>Sensor Locations:</b>	Primary Met. Tower
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off</b>	
<b>Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on</b>	
<b>Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	N/A
<b>Temperature Compensation for</b>	
<b>DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	This uses the Sigma-Theta on the primary Met. Tower.

**PWR Data Point Library Reference File**

<b>Date:</b>	November 23, 2004
<b>Reactor Unit:</b>	CR-3 – Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	TEMP CORE EX
<b>Point ID:</b>	RECL-423
<b>Plant Specific Point Description:</b>	T-Incore Maximum Temp A Train
<b>Generic/Cond Description:</b>	Highest Temperature at the Core Exit
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	DEGF
<b>Engineering Units Conversion:</b>	None
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	P
<b>Number of Sensors:</b>	8
<b>How Processed:</b>	Selects highest of the 8 inputs
<b>Sensor Locations:</b>	In core
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off</b>	
<b>Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on</b>	
<b>Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	N/A
<b>Temperature Compensation for</b>	
<b>DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	Highest of the 8 EQ A Train Incore Temperatures.

**PWR Data Point Library Reference File**

<b>Date:</b>	November 23, 2004
<b>Reactor Unit:</b>	CR-3 – Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	TEMP CORE EX
<b>Point ID:</b>	RECL-424
<b>Plant Specific Point Description:</b>	T-Incore Maximum Temp B Train
<b>Generic/Cond Description:</b>	Highest Temperature at the Core Exit
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	DEGF
<b>Engineering Units Conversion:</b>	None
<b>Minimum Instrument Range:</b>	0
<b>Maximum Instrument Range:</b>	2500
<b>Zero Point Reference:</b>	N/A
<b>Reference Point Notes:</b>	N/A
<b>PROC or SENS:</b>	P
<b>Number of Sensors:</b>	8
<b>How Processed:</b>	Selects highest of the 8 inputs
<b>Sensor Locations:</b>	In core
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off</b>	
<b>Power Level:</b>	N/A
<b>NI Detector Power Supply Turn-on</b>	
<b>Power Level:</b>	N/A
<b>Instrument Failure Mode:</b>	N/A
<b>Temperature Compensation for</b>	
<b>DP Transmitters:</b>	N/A
<b>Level Reference Leg:</b>	N/A
<b>Unique System Description:</b>	Highest of the 8 EQ B Train Incore Temperatures