



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

Ref: 10 CFR 50, Appendix E

October 28, 2003  
3F1003-09

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

Subject: Crystal River Unit 3 - Emergency Response Data System

Dear Sir:

The purpose of this letter is to provide a 30 day report to the NRC required by 10CFR50, Appendix E, Section VI.3.a. Software changes were made that affect four (4) transmitted data points identified in the Emergency Response Data System Library for Progress Energy Florida, Inc., Crystal River Unit 3.

Data points P202, P203, P212, and P213 are Nuclear Instrumentation signals for Source Range and Intermediate Range inputs. They currently display in a linear scale. These data points have been converted from a linear display to a linear exponential display to match the display formatting used for the same points in the Recall/Safety Parameter Display System. The conversion of these points was modified to use a linear exponential conversion. The Minimum Instrument Range, Maximum Instrument Range, Engineering Units Conversion and Plant Specific Point Description fields have been updated to reflect this change. Previously, these points displayed a value that was the exponent to which 10 was to be raised to provide the actual counts per second. This change will now display the actual counts per second.

If you have any questions regarding this submittal, please contact Mr. Sid Powell, Supervisor, Licensing and Regulatory Programs at (352) 563-4883.

Sincerely,

Donald L. Taylor  
Manager, Support Services  
Crystal River Nuclear Plant

DLT/dwh

Attachment: Revised PWR Data Point Library Reference Files

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

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

A026

**PROGRESS ENERGY FLORIDA, INC.**

**CRYSTAL RIVER UNIT 3**

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

**ATTACHMENT**

**Revised PWR Data Point Library  
Reference Files**

**PWR Data Point Library Reference File**

<b>Date:</b>	10/24/03
<b>Reactor Unit:</b>	Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	NI SOURC RNG
<b>Point ID:</b>	P202
<b>Plant Specific Point Description:</b>	Count Rate Channel NI-1
<b>Generic/Cond Description:</b>	Nuclear Instruments, Source Range
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	N/A
<b>Engineering Units Conversion:</b>	CPS
<b>Minimum Instrument Range:</b>	0.1
<b>Maximum Instrument Range:</b>	1E+6
<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>	Outside of reactor core but in vicinity
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	1E-9 Amps
<b>NI Detector Power Supply Turn-off Power Level:</b>	5E-10 Amps
<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>	N/A

**PWR Data Point Library Reference File**

<b>Date:</b>	10/24/03
<b>Reactor Unit:</b>	Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	NI SOURC RNG
<b>Point ID:</b>	P203
<b>Plant Specific Point Description:</b>	Count Rate Channel NI-2
<b>Generic/Cond Description:</b>	Nuclear Instruments, Source Range
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	N/A
<b>Engineering Units Conversion:</b>	CPS
<b>Minimum Instrument Range:</b>	0.1
<b>Maximum Instrument Range:</b>	1E+6
<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>	Outside of reactor core but in vicinity
<b>Alarm/Trip Setpoints:</b>	N/A
<b>NI Detector Power Supply Cut-off Power Level:</b>	1E-9 Amps
<b>NI Detector Power Supply Turn-off Power Level:</b>	5E-10 Amps
<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>	N/A

**PWR Data Point Library Reference File**

<b>Date:</b>	10/24/03
<b>Reactor Unit:</b>	Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	NI INTER RNG
<b>Point ID:</b>	P212
<b>Plant Specific Point Description:</b>	Channel NI-3 (AMP)
<b>Generic/Cond Description:</b>	Nuclear Instruments, Intermediate Range
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	N/A
<b>Engineering Units Conversion:</b>	Amps
<b>Minimum Instrument Range:</b>	1E-11
<b>Maximum Instrument Range:</b>	0.001
<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>	Outside of reactor core but in vicinity
<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-off 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>	N/A

**PWR Data Point Library Reference File**

<b>Date:</b>	10/24/03
<b>Reactor Unit:</b>	Crystal River Unit 3
<b>Data Feeder:</b>	N/A
<b>NRC ERDS Parameter:</b>	NI INTER RNG
<b>Point ID:</b>	P213
<b>Plant Specific Point Description:</b>	Channel NI-4 (AMP)
<b>Generic/Cond Description:</b>	Nuclear Instruments, Intermediate Range
<b>Analog/Digital:</b>	A
<b>Engineering Units/Digital State:</b>	N/A
<b>Engineering Units Conversion:</b>	Amps
<b>Minimum Instrument Range:</b>	1E-11
<b>Maximum Instrument Range:</b>	0.001
<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>	Outside of reactor core but in vicinity
<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-off 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>	N/A