Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

January 27, 2011

L-2011-033
10 CFR 50. Appendix E

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

RE: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Emergency Response Data Point Library (DPL) Changes/New ERDS Link

This letter is being submitted pursuant to the requirements of 10CFR50, Appendix E, VI, 3.a, "Maintaining the Emergency Response Data System" for St. Lucie Unit 2 due to minor changes to two ERDS data points in how they are calculated by the new ERDADS.

These changes are summarized on page 2 of Attachment 1 with the affected Data Point Library (DPL) pages on pages 3 and 4. No other DPL points are affected by this change and all originally submitted ERDS points remain.

This information is being provided for compliance with 10CFR50, Appendix E, VI, 3.a, which requires notification within 30 days after the changes are made for any software or hardware changes to any transmitted data points identified in the Data Point Library. These new point calculations will be in effect following the installation of the new ERDADS on Unit 2 during the current plant outage, currently scheduled for completion in mid-March, 2011.

Additionally, as a follow up to Letter L-2010-047 of March 4, 2010, all future ERDS data transmissions from both St Lucie Units will be exclusively via a Wide Area Network PI system or equivalent) following the installation of the new ERDADS on Unit 2 during the current plant outage, currently scheduled for completion in mid-March, 2011.

Sincerely,

Eric S. Katzman
Licensing Manager
St. Lucie Plant

Attachment

A026
NRR

ATTACHMENT 1

St Lucie Unit 2

ERDS

Data Point Library Updates

SL2

Page	NRC ERDS Parameter	Original Plant Description	Revised Plant Description	Summary of Revision
5	Temp Core Ex	Average Core Exit Temperature	Max Rep CET Temperature	Matches the QSPDS calculation and is more conservative.
6	Sub Margin	RCS Low Temp Subcooling Margin	Minimum CET Subcooling Margin	Matches the QSPDS calculation and is more conservative.

SL2 DATA POINT LIBRARY REFERENCE FILE **Page 5 of 47**

Date:	01/10/11	R3
Reactor Unit:	SL2	
Data Feeder:	N/A	
NRC ERDS Parameter:	TEMP CORE EX	
Point ID:	QA0003-2	
Plant Spec Point Desc:	MAX REP CET TEMPERATURE	R3
Generic/Cond Desc:	Highest Rep CET temperature at the core exit	
Analog/Digital:	A	
Engr Units/Dig States:	Deg F	
Engr Units Conversion:	N/A	
Minimum Instr Range:	32	
Maximum Instr Range:	2300	
Zero Point Reference:	N/A	
Reference Point Notes:	N/A	
PROC or SENS:	P	
Number of Sensors:	45	
How Processed:	Max Representative Value with Quality	R3
Sensor Locations:	Reactor Internals	
Alarm/Trip Set Points:	Variable	
NI Detector Power Supply:	N/A	
NI Detector Power Supply:	N/A	
Instrument Failure Mode:	N/A	
Temperature Comp-DP Xmitters:		
Level Reference Leg:	N/A	
Unique System Desc:	This parameter is derived from a total of 45 CET detectors (located just above the upper fuel alignment plate) that make up 2 independent channels. Each Qualified Safety Parameter Display System (QSPDS) channel provides a Representative CET value. The highest of the two channels is provided here if both values are of GOOD or POOR quality status. If either channel's value is Bad or OFF-SCAN, then the other channel's GOOD or POOR value is selected. If both channels are any combination of BAD/OFF-SCAN, then the value presented is the Last Good Value obtained and would be represented as BAD quality.	R3

SL2 DATA POINT LIBRARY REFERENCE FILE **Page 6 of 47**

Date:.....	01/10/11	R3
Reactor Unit:.....	SL2	
Data Feeder:.....	N/A	
NRC ERDS Parameter:.....	SUB MARGIN	
Point ID:.....	QA0005-2	
Plant Spec Point Desc:.....	MINIMUM CET SUBCOOLING MARGIN	R3
Generic/Cond Desc:.....	Saturation Temp.- Highest Rep CET	
Analog/Digital:.....	A	
Engr Units/Dig States:.....	Deg F	
Engr Units Conversion:.....	N/A	
Minimum Instr Range:.....	-2100 Subcool	
Maximum Instr Range:.....	700 Subcool	
Zero Point Reference:.....	N/A	
Reference Point Notes:.....	N/A	
PROC or SENS:.....	P	
Number of Sensors:.....	2	
How Processed:.....	Signal Auctioneering - Minimum	R3
Sensor Locations:.....	Reactor Internals	
Alarm/Trip Set Points:.....	Variable	
NI Detector Power Supply:.....	N/A	
NI Detector Power Supply:.....	N/A	
Instrument Failure Mode:.....	N/A	
Temperature Comp-DP Xmitters:.....		
Level Reference Leg:.....	N/A	
Unique System Desc:.....	This parameter is derived from 2 subcooled values, TMARCET-A and TMARCET-B which are provided by the Qualified Safety Parameter Display System (QSPDS). They are processed by a signal auctioneering minimum algorithm. This function selects the lower of the two values to represent this point provided both values are of GOOD or POOR quality status. If either channel's value is BAD or OFF-SCAN, then the other channel's GOOD or POOR value is selected. If both channels are any combination of BAD/OFF-SCAN, then the value presented for this point is the last reliable value obtained with a quality status of BAD.	R3