



MAR - 4 2008

L-2007-211  
10CFR50, Appendix E

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC, 20555

Re: Turkey Point Unit 3 and Unit 4  
Docket No. 50-251  
Emergency Response Data System (ERDS) Maintenance

This letter is being submitted pursuant to 10CFR50, Appendix E, VI, 3.b (Maintaining the Emergency Response Data System) for Turkey Point Unit 3 (TP3) and Unit 4 (TP4) due to ERDS Point ID revisions and typographical corrections.

The NRC ERDS data point library does not match the Turkey Point ERDS data point library for Unit 4. Points NI6649AVPR-4, NI6649AVSR-4, and RWST4AVLVL-4 were submitted incorrectly in the ERDS Data Point Library that was submitted August 7, 2007.

Current Incorrect NRC Points	Current Correct TURKEY POINT Points	Revised NRC Points
NI649AVPR-4	NI6649AVPR-4	NI6649AVPR-4
NI649AVSR-4	NI6649AVSR-4	NI6649AVSR-4
RWST3AVLVL-4	RWST4AVLVL-4	RWST4AVLVL-4

These points need to be updated in the NRC ERDS data point library so that they match the Turkey Point ERDS data point library for Unit 4. Revised data sheets are attached.

Plant modifications to replace the Unit 3 Emergency Response Data Acquisition And Display System (ERDADS) system resulted in a temporary configuration preventing points R14-3 (PLANT VENT GAS ACTIVITY) and R18-3 (LIQUID RELEASE GROSS ACTIVITY) from being available on the Unit 4 ERDS database.

This configuration is temporary, and will be resolved when the replacement of the Unit 4 ERDADS system is executed. This modification is planned for the 2<sup>nd</sup> Quarter of 2008. Until that time, R14-3 and R18-3 will only be available on the Unit 3 ERDS database.

The current configuration is considered to be acceptable since there is no significant material change in the Unit 4 ERDS database. When the Unit 4 ERDADS modification is completed, points R14-3 and R18-3 will be included and the Unit 4 ERDS database will be restored to its original configuration.

Points R14-4 and R18-4 were also incorrect in the ERDS Data Point Library that was submitted August 7, 2007. These two points should be removed, as they do not exist.

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The NRC ERDS data point library does not match the Turkey Point ERDS data point library for Unit 3 also. Points R20\_A, and RXHDLLO\_V were submitted incorrectly in the ERDS Data Point Library that was submitted August 7, 2007. Point RXPLLLO\_V was submitted as Reactor Plenum Water Level and Reactor Upper Head Level. Point RXHDLLO\_V should have been submitted as Reactor Upper Head Level.

<b>Current Incorrect NRC Points</b>	<b>Current Correct TURKEY POINT Points</b>	<b>Revised NRC Points</b>
R20_V	R20_A	R20_A
RXPLLLO_V	RXHDLLO_V	RXHDLLO_V

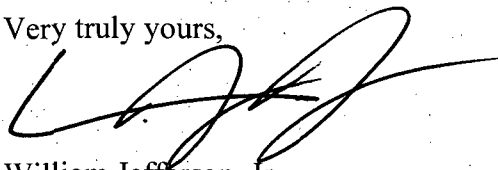
These points need to be updated in the NRC ERDS data point library so that they match the Turkey Point ERDS data point library for Unit 3.

Note that a copy of the last submittal regarding Unit 4 ERDS Maintenance, provided by Florida Power & Light letter L-2007-171 was date stamped October 7, 2007. This letter was actually transmitted November 7, 2007. A copy of this letter, with a note indicating it was actually transmitted November 7, 2007, is attached.

This information is being provided for both compliance with 10CFR50, Appendix E, VI, 3.b requirements and to support implementation by the NRC of the new TP3 and TP4 ERDS Data Point IDs.

Should there be any questions, please contact Paul Infanger at 305-246-6632.

Very truly yours,



William Jefferson, Jr.  
Vice President  
Turkey Point Nuclear Plant

Attachment

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

**Attachment to L-2007-211**  
**Revised Data Sheets**

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		08/07/2007
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		NL
Point ID:		NI6649AVPR-4
Plant Spec Point Desc:		Gammametrics PR Avg
Generic/Cond Desc:		Nuclear Instruments, Power Rng
Analog/Digital:		A
Engr Units/Dig States:		%
Engr Units Conversion:		N/A
Minimum Instr Range:		1.0E -8
Maximum Instr Range:		200
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P2
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % Deviation check
Sensor Locations:		RX Vessel @ 0 and 180 Deg. 14' El
Alarm/Trip Set Points:		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:		As-Is
Temperature Compensation For DP Transmitters		N/A
Level Reference Leg:		N/A
Unique System Desc:		5 % Deviation check meaning the value at which point becomes Poor Quality. The Gammametrics Source Range Detectors are located in the same wells as the Gammametrics Power Range Detectors.

### TP4 DATA POINT LIBRARY REFERENCE FILE

Date:	08/07/2007
Reactor Unit:	TP4
Data Feeder:	N/A
NRC ERDS Parameter:	RWST LEVEL
Point ID:	RWST4AVLVL-4
Plant Spec Point Desc:	RWST (Unit 3) Average Level
Generic/Cond Desc:	Borated Water Storage Tank Level
Analog/Digital:	A
Engr Units/Dig States:	gal
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	335,000 gals
Zero Point Reference:	TNKBOT
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	2 Input Average w/ 5 % Deviation check
Sensor Locations:	Ground Level by RWST
Alarm/Trip Set Points:	See Description
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-On Power Level:	N/A
Instrument Failure Mode:	AS-IS
Temperature Compensation For DP Transmitters	N/A
Level Reference Leg:	DRY
Unique System Desc:	5 % Deviation check meaning the value at which point becomes Poor Quality. Each RWST level loop consists of a Rosemount DP transmitter and Foxboro Modules to provide alarm and indication functions. Alarms provided are: Lo-Lo Level at 60,000 gallons, Low Level at 155,000 gallons, Tech Spec Min Level at 322,000 gallons and Hi Level at 333,000 gallons. Note: the RWST is the Borated Water Storage Tank.



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L-2007-171

10CFR50, Appendix E

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC, 20555-0001

Re: Turkey Point Unit 4  
Docket No. 50-251  
Emergency Response Data System (ERDS) Maintenance

This letter is being submitted pursuant to 10CFR50, Appendix E, VI, 3 b (Maintaining the Emergency Response Data System) for Turkey Point Unit 4 due to an ERDS Point ID revision.

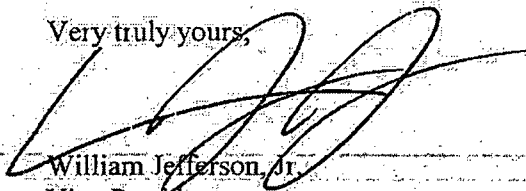
The Turkey Point Unit 4 (TP4) ERDS Data Point Library (DPL) needs to be modified so that the ERDS "send program" sends SCMCEILO-4 instead of SMMILO-4 for Reactor Coolant System (RCS) subcooling margin. Turkey Point's original submittal for ERDS compliance in July, 1992, as well as FPL letter L-2007-129 dated October 11, 2007, sent the wrong data point. Since installation of ERDS in 1992, the subcooled margin data point provided was based on RCS highest temperatures rather than the highest Core Exit Thermocouple as required by NUREG-1394, Revision 1, "Emergency Response Data System (ERDS) Implementation." This letter provides an updated replacement page for Attachment 4 to FPL letter L-2007-129, page 9 of 59. The Data Point ID has been changed on the replacement page from SMMILO-4 to SCMCEILO-4. This Data Point ID change will affect the ERDS transmission format and computer communication protocol, therefore NRC notification is required 30 days prior to implementation. This will require ERDS DPL point ID updates for TP4 by NRC personnel.

This change will be overseen by vendor personnel from Sciencetech LLC. The vendor will coordinate the Point ID change-over between TP4 and the NRC Operations Center to minimize ERDS unavailability during this time.

This information is being provided for both compliance to 10CFR50, Appendix E, VI, 3 b requirements and to support implementation by the NRC of the new TP4 ERDS Data Point ID.

Should there be any questions, please contact Paul Infanger at 305-246-6632.

Very truly yours,

  
William Jefferson, Jr.  
Vice President  
Turkey Point Nuclear Plant

Attachment

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

SENT TO NRC NOVEMBER 7, 2007

L-2007-171 Attachment 1

Revised Page 9 of 59 of Attachment 4 of L-2007-129

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		08/07/2007
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		Sub Margin
Point ID:		SCMCETLO-4
Plant Spec Point Desc:		Subcooling
Generic/Cond Desc:		Sat Temp – Highest CET
Analog/Digital:		A
Engr Units/Dig States:		°F
Engr Units Conversion:		N/A
Minimum Instr Range:		- 2100
Maximum Instr Range:		700
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Low Select
Sensor Locations:		Core Exit Channels
Alarm/Trip Set Points:		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:		As-Is
Temperature Compensation For DP Transmitters		N/A
Level Reference Leg:		N/A
Unique System Desc:		Signals originate from 2 QSPDS (Qualified Safety Parameter Display System) Channel Trains selecting the lower of 2 calculated subcooled margins. The QSPDS subcooled margin calculation for each Train uses a representative CET temperature input (based on statistical analyses) as measured against saturation temperature for existing RCS pressure.