



April 22, 2013
L-2013-141
10 CFR 50, Appendix E

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

Re: Turkey Point Unit 4
Docket No. 50-250 and 50-251
Emergency Response Data System (ERDS) Changes due to EPU

This letter is being submitted pursuant to 10 CFR 50, Appendix E, VI, 3.a, Maintaining Emergency Response Data System, due to several changes to the Turkey Point Unit 3 and Unit 4 ERDS Data Point Library Reference Files.

The following table contains Turkey Point Unit 4 (TP4) ERDS Data Point information that requires revision to reflect rescaling of EPU affected NSSS and BOP system instrumentation setpoints.

TP4 ERDS DATA POINT INFORMATION			
DCS Point ID	Point Description	Alarm/Trip Setpoint	System Description
SGA_AVL_V	Steam Generator Level A	Lo-Lo Rx Trip: 16%	Protection Train: 16% Reactor Trip
SGB_AVL_V	Steam Generator Level B	Lo-Lo Rx Trip: 16%	Protection Train: 16% Reactor Trip
SGC_AVL_V	Steam Generator Level C	Lo-Lo Rx Trip: 16%	Protection Train: 16% Reactor Trip
SGA_AVP_V	Steam Generator Pressure A	3 Input Average with 21 psig Deviation Limit	21 psig deviation...
SGB_AVP_V	Steam Generator Pressure B	3 Input Average with 21 psig Deviation Limit	21 psig deviation...
SGC_AVP_V	Steam Generator Pressure C	3 Input Average with 21 psig Deviation Limit	21 psig deviation...
SGAAVFWF_V	Feedwater Flow A SG	5.0E+6	FW flow < MS flow @773,000 lb/Hr coincident SG level of ~16%
SGBAVFWF_V	Feedwater Flow B SG	5.0E+6	FW flow < MS flow @773,000 lb/Hr coincident SG level of ~16%
SGCAVFWF_V	Feedwater Flow C SG	5.0E+6	FW flow < MS flow @773,000 lb/Hr coincident SG level of ~16%

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TP4 ERDS DATA POINT INFORMATION			
DCS Point ID	Point Description	Alarm/Trip Setpoint	System Description
THA AVTP_V	RCS Hot Leg A Avg Temp	Hi: 620°F	
THB AVTP_V	RCS Hot Leg B Avg Temp	Hi: 620°F	
THC AVTP_V	RCS Hot Leg C Avg Temp	Hi: 620°F	
PRZ_AVL_V	Pressurizer Average Level		...Hi level alarm at +5% program...

These changes were implemented for Unit 4 upon entry into MODE 4 on March 25, 2013 as part of the startup from the Unit 4 Cycle 27 refueling outage. As such, pursuant to 10 CFR 50, Appendix E, VI, 3.a, which requires submittal of software changes to the ERDS Data Point Library within 30 days after the changes are completed, Florida Power and Light Company (FPL) is submitting herein in Attachment 1 affected pages for the ERDS point ID information contained in the TP4 ERDS Data Point Library Reference File.

FPL previously updated the Turkey Point Unit 3 ERDS Data Point Library Reference File information due to EPU changes in letter L-2012-332 dated August 17, 2012. Contained in the letter were updates to the narrow range steam generator channels to reflect raising the reactor trip setpoint from 10% to 16%. Also included in letter L-2012-332 was an update to feedwater flow channels to reflect the increase in the feed flow/steam flow (FF/SF) mismatch value that is part of the FF/SF mismatch coincident with low low steam generator level reactor trip setpoint. However, it was discovered that the change to the Low Low level portion of the FF/SF mismatch reactor trip was not updated in the reference file. The following table contains Turkey Point ERDS Data Point information that requires revision to reflect changes to the FF/SF mismatch with low low S/G level reactor trip setpoint change for EPU.

TP3 ERDS DATA POINT INFORMATION			
DCS Point ID	Point Description	Alarm/Trip Setpoint	System Description
SGAAVFWF_V	Feedwater Flow A SG	See Description	...coincident SG level of ~16%
SGBAVFWF_V	Feedwater Flow B SG	See Description	...coincident SG level of ~16%
SGCAVFWF_V	Feedwater Flow C SG	See Description	...coincident SG level of ~16%

Attachment 2 to this letter provides the affected pages for the Unit 3 feedwater flow ERDS point ID information contained in the TP3 ERDS Data Point Library Reference File.

Should you have any questions regarding this submittal, please contact Mr. Robert J. Tomonto, Licensing Manager, at (305) 246-7327.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael Kiley', with a stylized flourish at the end.

Michael Kiley
Site Vice President
Turkey Point Nuclear Plant

Attachments

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

Attachment 1

**TURKEY POINT UNIT 4
ERDS DATA POINT LIBRARY CHANGES**

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG LEVEL 1/A
Point ID:		SGA_AVL_V
Plant Spec Point Desc:		Steam Generator Level A
Generic/Cond Desc:		Steam Generator A Water Level
Analog/Digital:		A
Engr Units/Dig States:		%
Engr Units Conversion:		1% = 112.5 gallons
Minimum Instr Range:		0
Maximum Instr Range:		100
Zero Point Reference:		U-Tubes
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/10% of span Deviation Check
Sensor Locations:		SG Vessel A 30' 6" EL
Alarm/Trip Set Points:		Lo-Lo Rx Trip: 16% Lo: 35% Hi: 68% Hi-Hi: 80%
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		No
Level Reference Leg:		WET
Unique System Desc:		<p>The average level is determined by LTs 474, 475, & 476. The Deviation check is the value at which this point Quality becomes Poor.</p> <p>0% = 16,250 gal 100% = 27,500 gal</p> <p>The lower tap is 8" above the top of the tube bundle. Protection Train: 16 % Reactor Trip, 80 % Turbine Trip</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG LEVEL 2/B
Point ID:		SGB_AVL_V
Plant Spec Point Desc:		Steam Generator Level B
Generic/Cond Desc:		Steam Generator B Water Level
Analog/Digital:		A
Engr Units/Dig States:		%
Engr Units Conversion:		1% = 112.5 gallons
Minimum Instr Range:		0
Maximum Instr Range:		100
Zero Point Reference:		U-Tubes
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/10% of span Deviation Check
Sensor Locations:		SG Vessel B 30' 6" EL
Alarm/Trip Set Points:		Lo-Lo Rx Trip: 16% Lo: 35% Hi: 68% Hi-Hi: 80%
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		No
Level Reference Leg:		Wet
Unique System Desc:		<p>The average level is determined by LTs 484, 485, & 486. The Deviation check is the value at which this point Quality becomes Poor.</p> <p>0% = 16,250 gal 100% = 27,500 gal</p> <p>The lower tap is 8" above the top of the tube bundle. Protection Train: 16 % Reactor Trip, 80 % Turbine Trip</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG LEVEL 3/C
Point ID:		SGC_AVL_V
Plant Spec Point Desc:		Steam Generator Level C
Generic/Cond Desc:		Steam Generator C Water Level
Analog/Digital:		A
Engr Units/Dig States:		%
Engr Units Conversion:		1% = 112.5 gallons
Minimum Instr Range:		0
Maximum Instr Range:		100
Zero Point Reference:		U-Tubes
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/10% of span Deviation Check
Sensor Locations:		SG Vessel C 30' 6" EL
Alarm/Trip Set Points:		Lo-Lo Rx Trip: 16% Lo: 35% Hi: 68% Hi-Hi: 80%
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		No
Level Reference Leg:		Wet
Unique System Desc:		<p>The average level is determined by LTs 494, 495, & 496. The Deviation check is the value at which this point Quality becomes Poor.</p> <p>0% = 16,250 gal 100% = 27,500 gal</p> <p>The lower tap is 8" above the top of the tube bundle. Protection Train: 16 % Reactor Trip, 80 % Turbine Trip</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG PRESS 1/A
Point ID:		SGA_AVP_V
Plant Spec Point Desc:		Steam Generator Pressure A
Generic/Cond Desc:		Steam Generator A Pressure
Analog/Digital:		A
Engr Units/Dig States:		psig
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		1400
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/21 psig Deviation Check
Sensor Locations:		SG A Steam Line before MSIV
Alarm/Trip Set Points:		Lo: 614 psig Hi: 1085 psig
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:		21 psig deviation being the limit for use in calculation and for Quality determination. ESF actuation signals: SG pressure 100 psig < steam header pressure SG pressure of < 614 psig

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG PRESS 2/B
Point ID:		SGB_AVP_V
Plant Spec Point Desc:		Steam Generator Pressure B
Generic/Cond Desc:		Steam Generator B Pressure
Analog/Digital:		A
Engr Units/Dig States:		psig
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		1400
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/21 psig Deviation Check
Sensor Locations:		SG B Steam Line before MSIV
Alarm/Trip Set Points:		Lo: 614 psig Hi: 1085 psig
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:		21 psig deviation being the limit for use in calculation and for Quality determination. ESF actuation signals: SG pressure 100 psig < steam header pressure SG pressure of < 614 psig

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		SG PRESS 3/C
Point ID:		SGC_AVP_V
Plant Spec Point Desc:		Steam Generator Pressure C
Generic/Cond Desc:		Steam Generator C Pressure
Analog/Digital:		A
Engr Units/Dig States:		psig
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		1400
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average w/21 psig Deviation Check
Sensor Locations:		SG C Steam Line before MSIV
Alarm/Trip Set Points:		Lo: 614 psig Hi: 1085 psig
NI Detector Power Supply Cut-off Power Level:		N/A
NI Detector Power Supply Turn-On Power Level:		N/A
Instrument Failure Mode:		N/A
Temperature Compensation For DP Transmitters		As-Is
Level Reference Leg:		N/A
Unique System Desc:		21 psig deviation being the limit for use in calculation and for Quality determination. ESF actuation signals: SG pressure 100 psig < steam header pressure SG pressure of < 614 psig

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 1/A
Point ID:		SGAAVFWF_V
Plant Spec Point Desc:		Feedwater Flow A SG
Generic/Cond Desc:		Steam Generator A Mn Feedwater Fl
Analog/Digital:		A
Engr Units/Dig States:		lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		Upstream FW Regulating Valve
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		No
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16%</p> <p>Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 2/B
Point ID:		SGBAVFWF_V
Plant Spec Point Desc:		Feedwater Flow B SG
Generic/Cond Desc:		Steam Generator B Mn Feedwater Fl
Analog/Digital:		A
Engr Units/Dig States:		lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		Upstream FW Regulating Valve
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		No
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16%</p> <p>Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 3/C
Point ID:		SGCAVFWF_V
Plant Spec Point Desc:		Feedwater Flow C SG
Generic/Cond Desc:		Steam Generator C Mn Feedwater Fl
Analog/Digital:		A
Engr Units/Dig States:		lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		Upstream FW Regulating Valve
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		No
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16%</p> <p>Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		HL TEMP 1/A
Point ID:		THA_AVTP_V
Plant Spec Point Desc:		RCS Hot Leg A Avg Temp
Generic/Cond Desc:		Steam Generator A Inlet Temp
Analog/Digital:		A
Engr Units/Dig States:		°F
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		750
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		RCS Hot Leg A Piping 14' El
Alarm/Trip Set Points:		Lo: 540°F Hi: 620°F
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 sensors are platinum RTDs which are located in wells in the main coolant loops. The loop T-Hot signals are also inputs to the Qualified Safety Parameter Display System.

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		HL TEMP 2/B
Point ID:		THB_AVTP_V
Plant Spec Point Desc:		RCS Hot Leg B Avg Temp
Generic/Cond Desc:		Steam Generator B Inlet Temp
Analog/Digital:		A
Engr Units/Dig States:		°F
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		750
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		RCS Hot Leg B Piping 14' El
Alarm/Trip Set Points:		Lo: 540°F Hi: 620°F
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 sensors are platinum RTDs which are located in wells in the main coolant loops. The loop T-Hot signals are also inputs to the Qualified Safety Parameter Display System.

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		HL TEMP 3/C
Point ID:		THC_AVTP_V
Plant Spec Point Desc:		RCS Hot Leg C Avg Temp
Generic/Cond Desc:		Steam Generator C Inlet Temp
Analog/Digital:		A
Engr Units/Dig States:		°F
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		750
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % of span Deviation Check
Sensor Locations:		RCS Hot Leg C Piping 14' El
Alarm/Trip Set Points:		Lo: 540°F Hi: 620°F
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 sensors are platinum RTDs which are located in wells in the main coolant loops. The loop T-Hot signals are also inputs to the Qualified Safety Parameter Display System.

TP4 DATA POINT LIBRARY REFERENCE FILE		
Date:		03/25/13
Reactor Unit:		TP4
Data Feeder:		N/A
NRC ERDS Parameter:		PRZR LEVEL
Point ID:		PRZ_AVL_V
Plant Spec Point Desc:		Pressurizer Average Level
Generic/Cond Desc:		Primary System Pressurizer Level
Analog/Digital:		A
Engr Units/Dig States:		%
Engr Units Conversion:		1% = 84.5 gallons
Minimum Instr Range:		0
Maximum Instr Range:		100
Zero Point Reference:		Complx
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		3
How Processed:		3 Input Average
Sensor Locations:		PRZ Vessel 30' El
Alarm/Trip Set Points:		Lo: 14% Hi: 92%
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		No
Level Reference Leg:		Wet
Unique System Desc:		The pressurizer average level is calculated using 5 minute rolling averages of 3 redundant sensors. The instrument range of 0-100% is equivalent to 600-9050 gallons. Protection Channel inputs include: PZR Hi-Level Rx trip (2/3 at 91%), Lo-Lo level alarm at 6%, PZR heaters Off and letdown isolate at 14.4%, Hi level alarm on at +5% program and Lo level alarm at -5% program.

Attachment 2

**TURKEY POINT UNIT 3
ERDS DATA POINT LIBRARY CHANGES**

TP3 DATA POINT LIBRARY REFERENCE FILE		
Date:		04/18/2013
Reactor Unit:		TP3
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 1/A
Point ID:		SGAAVFWF_V
Plant Spec Point Desc:		Feedwater Flow A SG
Generic/Cond Desc:		Steam Generator A Mn Feedwater Fl
Analog/Digital:		A
Engr Units/Dig States:		Lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % Deviation check
Sensor Locations:		Upstream FW Regulating Valve
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		No
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16</p> <p>Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>

TP3 DATA POINT LIBRARY REFERENCE FILE		
Date:		04/18/2013
Reactor Unit:		TP3
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 2/B
Point ID:		SGBAVFWF_V
Plant Spec Point Desc:		Feedwater Flow B SG
Generic/Cond Desc:		Steam Generator B Mn Feedwater Fl
Analog/Digital:		A
Engr Units/Dig States:		lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % Deviation check
Sensor Locations:		Upstream FW Regulating Valve
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		NO
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16 Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>

TP3 DATA POINT LIBRARY REFERENCE FILE		
Date:		04/18/2013
Reactor Unit:		TP3
Data Feeder:		N/A
NRC ERDS Parameter:		MN FD FL 3/C
Point ID:		SGCAVFWF_V
Plant Spec Point Desc:		Feedwater Flow C SG
Generic/Cond Desc:		Steam Generator C Mn Feedwater FI
Analog/Digital:		A
Engr Units/Dig States:		lb/Hr
Engr Units Conversion:		N/A
Minimum Instr Range:		0
Maximum Instr Range:		5.0E +6
Zero Point Reference:		N/A
Reference Point Notes:		N/A
PROC or SENS:		P
Number of Sensors:		2
How Processed:		2 Input Average w/ 5 % Deviation check
Sensor Locations:		Upstream FW Regulating Valve
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		No
Level Reference Leg:		N/A
Unique System Desc:		<p>5 % Deviation check meaning the value at which point becomes poor quality. Protection Train instrumentation has 2 separate channels of input to a reactor trip signal when:</p> <p>Feedwater flow < Steam Flow @ 773,000 lb/Hr coincident SG level of ~16%</p> <p>Feedwater < Steam Flow alarm @ 500,000 lb/Hr</p>