



T. PRESTON GILLESPIE, JR.
Vice President
Oconee Nuclear Station

Duke Energy
ON01VP / 7800 Rochester Hwy.
Seneca, SC 29672

864-873-4478
864-873-4208 fax
T.Gillespie@duke-energy.com

June 18, 2012

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

Subject: Oconee Nuclear Station
Docket Number 50-269, 50-270, 50-287
Emergency Response Data System (ERDS)


10CFR50, Appendix E, Section VI, 3a requires that any software change that affects the transmitted data points identified in the Emergency Response Data System (ERDS) Data Point Library must be submitted to the NRC within 30 days after changes are completed.

Editorial changes to the Data Point Library were due to Engineering Changes EC#77069 and EC #77070, associated with the Unit 3 Reactor Protection System Replacement which was completed during our recent U3EC26 outage. These changes are editorial in nature and will not affect parameters or ranges required by the NRC.

The ERDS parameter points affected are attached for your information and to update your Data Point Library.

If there are any questions regarding the software change, please contact Ray Waterman at (864) 873-3825.

Sincerely,


T. Preston Gillespie, Jr.
Vice President
Oconee Nuclear Station

Attachment:
ERDS Data Point Library Change Attachment

#026
NRC

U. S. Nuclear Regulatory Commission
June 18, 2012
Page 2

Copy w/attachment

Mr. Victor McCree, Regional Administrator
U.S. Nuclear Regulatory Commission - Region II
Marquis One Tower
245 Peachtree Center Ave., NE, Suite 1200
Atlanta, GA 30303-1257

Mr. Andy Sabisch
NRC Senior Resident Inspector
Oconee Nuclear Station

Mr. Bryan Dickard
OAC Engineer
Oconee Nuclear Station

Attachment

ERDS Data Point Library Change

**Oconee Nuclear Station
Unit 3
Seneca, SC**

EC77070 (Unit 3 RPS Replacement) addresses changes made to OAC PIDs that are ERDS points. This information is editorial in nature. It does not affect parameters or ranges required by the NRC.

(Reference the attached mark-ups for details)

NRC ERDS Parameter -	NI_POWER_RNG
Old Point ID -	O3A1544
New Point ID -	O3E4066
Old plant_spec_pnt -	NI 5 PR FLUX
New plant_spec_pnt -	3A NI-5 POWER RANGE FLUX
NRC ERDS Parameter -	CORE_FLOW3
Old Point ID -	O3A1549
New Point ID -	O3E4091
Old plant_spec_pnt -	RPS CH A TOTAL RCS FLOW
New plant_spec_pnt -	3A RPS RC TOTAL FLOW (KLB/HR)

EC77069 (Unit 3 ES Replacement) addresses changes made to OAC PIDs that are ERDS points. This information is editorial in nature. It does not affect parameters or ranges required by the NRC.

(Reference the attached mark-ups for details)

NRC ERDS Parameter -	RCS_PRESSURE
Point ID -	O3A1416
Old alarm_point -	LOW = 550 HIGH = 2400
New alarm_point -	NONE
NRC ERDS Parameter -	RCS_PRESSURE4x
Point ID -	O3A1417
Old alarm_point -	LOW = 550 HIGH = 2400
New alarm_point -	NONE

Other editorial changes made:

(Reference the attached mark-ups for details)

NRC ERDS Parameter -	CTMNT_TEMP
Point ID -	O3A0006
Old alarm_point -	HIGH = 175
New alarm_point -	LOW=38 HIGH=140
NRC ERDS Parameter -	CTMNT_TEMP13x
Point ID -	O3A0043
Old plant_spec_pnt -	RB DOME TEMP
New plant_spec_pnt -	RB DOME TEMP A
Old alarm_point -	HIGH = 165
New alarm_point -	LOW=38 HIGH=140
NRC ERDS Parameter -	CTMNT_SP_NR6x
Point ID -	O3A0050
Old plant_spec_pnt -	RB EMER SUMP LEVEL
New plant_spec_pnt -	RB EMER SUMP LEVEL (TRAIN B)
Old alarm_point -	HIGH = 2.5
New alarm_point -	HIGH = 2

NRC ERDS Parameter -	BWST_LEVEL1
Point ID -	O3E2278
Old alarm_point -	LOW = 10 HIGH = 49
New alarm_point -	LOW = 47 HIGH = 49
NRC ERDS Parameter -	BWST_LEVEL2
Point ID -	O3E2297
Old alarm_point -	LOW = 10 HIGH = 49
New alarm_point -	LOW = 47 HIGH = 49
NRC ERDS Parameter -	LPSI_FLOW1
Point ID -	O3A1310
Old alarm_point -	LOW=800.0 HIGH = 3700.0
New alarm_point -	LOW=800
NRC ERDS Parameter -	LPSI_FLOW2
Point ID -	O3A1311
Old alarm_point -	LOW=800.0 HIGH = 3700.0
New alarm_point -	LOW=800

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **NI_POWER_RNG**

Reactor Unit:	OC3
	O3E4066
Point ID:	O3A1544
Change Date:	12/31/1996
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	NUCLEAR INSTRUMENTS, POWER RANGE
	3A NI-5 POWER RANGE FLUX
Plant Specific Description:	NI-5 PR FLUX
Minimum Instrument Range:	0
Maximum Instrument Range:	125
Engineering Units:	%
Engineering Unit Conversion:	1 Volt = 12.5 PCT
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	OUTSIDE OF RX VESSEL
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	HIGH=104
System Description:	

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: CORE_FLOW3

Reactor Unit:	OC3
	O3E4091
Point ID:	O3A1549
Change Date:	05/18/2004
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	TOTAL REATOR COOLANT FLOW
	3A RPS RC TOTAL FLOW (KLB/HR)
Plant Specific Description:	RPS CH A TOTAL RCS FLOW
Minimum Instrument Range:	0
Maximum Instrument Range:	180000
Engineering Units:	KLB/HR
Engineering Unit Conversion:	N/A
Proc or Sens:	P
Number of Sensors:	2
Sensor Location:	GENTILLI TUBE IN HOT LEG TO FLOW TRANSMI
How Processed:	Sum of Loop A + Loop B Uncompensated RC
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	NONE
System Description:	TOTAL RC FLOW = LOOP A UNCOMPENSATED RC FLOW + LOOP B UNCOMPENSATED RC FLOW

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: RCS_PRESSURE

Reactor Unit:	OC3
Point ID:	O3A1416
Change Date:	12/31/1996
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	REACTOR COOLANT PRESSURE
Plant Specific Description:	RC LOOP A WR PRESS 1
Minimum Instrument Range:	0.00
Maximum Instrument Range:	2500.00
Engineering Units:	PSIG
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	RB 2nd Floor
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	NONE LOW=550 HIGH=2400
System Description:	Signal from Engineered Safeguards System transmitter

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **RCS_PRESSURE4x**

Reactor Unit:	OC3
Point ID:	O3A1417
Change Date:	02/04/1997
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	REACTOR COOLANT PRESSURE
Plant Specific Description:	RC LOOP B WR PRESS 1
Minimum Instrument Range:	0
Maximum Instrument Range:	2500
Engineering Units:	PSIG
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	RB 2nd Floor
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	NONE LOW=550 HIGH=2400
System Description:	Signal from Engineered Safeguards System transmitter

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **CTMNT_TEMP**

Reactor Unit:	OC3
Point ID:	O3A0006
Change Date:	04/25/2001
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	CONTAINMENT TEMPERATURE
Plant Specific Description:	RB CRD AREA TEMP
Minimum Instrument Range:	0
Maximum Instrument Range:	400
Engineering Units:	DEG F
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	INSIDE CONTAINMENT ELEV. 840 FEET
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	**** or NNNN
Level Reference Leg:	N/A
Alarm Point:	LOW=38 HIGH=140 HIGH=175
System Description:	Unit 3 Reactor Cavity Air Temperature (CRD Space)

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **CTMNT_TEMP13x**

Reactor Unit:	OC3
Point ID:	O3A0043
Change Date:	04/25/2001
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	CONTAINMENT TEMPERATURE
Plant Specific Description:	RB DOME TEMP A RB DOME TEMP
Minimum Instrument Range:	0
Maximum Instrument Range:	400
Engineering Units:	DEG F
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	INSIDE CONTAINMENT ELEV. 945 FEET
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	**** or NNNN
Level Reference Leg:	N/A
Alarm Point:	LOW=38 HIGH=140 HIGH=165
System Description:	ELEV. INSIDE TOP OF CONTAINMENT IS 983+5 FEET; Unit 3 Reactor Building Dome Air Temperature

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: CTMNT_SP_NR6x

Reactor Unit:	OC3
Point ID:	O3A0050
Change Date:	04/25/2001
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	LP RB EMR SUMP LVL
Plant Specific Description:	RB EMER SUMP LEVEL (TRAIN B) RB EMER SUMP LEVEL
Minimum Instrument Range:	0
Maximum Instrument Range:	3
Engineering Units:	FEET
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	?
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	?
Level Reference Leg:	N/A
Alarm Point:	HIGH = 2 HIGH=2.5
System Description:	

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **BWST_LEVEL1**

Reactor Unit:	OC3
Point ID:	O3E2278
Change Date:	04/25/2001
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	BORATED WATER STORAGE TANK LEVEL
Plant Specific Description:	BWST 3 LEVEL 1 TRAIN A
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Engineering Units:	FEET
Engineering Unit Conversion:	7608 GAL/FOOT
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	BWST Tank
How Processed:	N/A
Zero Reference:	TNKBOT
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	LOW = 47 HIGH = 49 LOW = 19 HIGH = 49
System Description:	Transmitter calibrated using specific gravity of borated water

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: BWST_LEVEL2

Reactor Unit:	OC3
Point ID:	O3E2297
Change Date:	04/25/2001
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	BORATED WATER STORAGE TANK LEVEL
Plant Specific Description:	BWST 3 LEVEL 2 TRAIN B
Minimum Instrument Range:	0
Maximum Instrument Range:	50
Engineering Units:	FEET
Engineering Unit Conversion:	7608 GAL/FOOT
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	BWST Tank
How Processed:	N/A
Zero Reference:	TNKBOT
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	LOW = 47 HIGH = 49 LOW = 19 HIGH = 49
System Description:	Transmitter calibrated using specific gravity of borated water

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: LPSI_FLOW1

Reactor Unit:	OC3
Point ID:	O3A1310
Change Date:	11/09/2004
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	LOW PRESSURE SAFETY INJECTION FL
Plant Specific Description:	LPI HDR 3A INJECTION FLOW
Minimum Instrument Range:	0.00
Maximum Instrument Range:	4000.00
Engineering Units:	GPM
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	East Penetration Room
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	LOW=800 LOW=800.0 HIGH=3700.0
System Description:	Value derived from d/p developed across flow orifice

Oconee Nuclear Station

Seneca, SC

NRC ERDS Parameter: **LPSI_FLOW2**

Reactor Unit:	OC3
Point ID:	O3A1311
Change Date:	11/09/2004
Data Feeder:	N/A
Analog/Digital:	A
Generic Description:	LOW PRESSURE SAFETY INJECTION FL
Plant Specific Description:	LPI HDR 3B INJECTION FLOW
Minimum Instrument Range:	0.00
Maximum Instrument Range:	4000.00
Engineering Units:	GPM
Engineering Unit Conversion:	N/A
Proc or Sens:	S
Number of Sensors:	1
Sensor Location:	East Penetration Room
How Processed:	N/A
Zero Reference:	N/A
Reference Point Notes:	N/A
NI Turnon Power:	N/A
NI Cutoff Power:	N/A
Temperature Compensated:	N
Instrument Failure Mode:	LOW
Level Reference Leg:	N/A
Alarm Point:	LOW=800 LOW=800.0 HIGH=3700.0
System Description:	Value derived from d/p developed across flow orifice