

November 2, 2005

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Mail Stop P1-137  
Washington, DC 20555-0001

ULNRC05227



Ladies and Gentlemen:

**DOCKET NUMBER 50-483  
CALLAWAY PLANT UNIT 1  
UNION ELECTRIC CO.  
FACILITY OPERATING LICENSE NPF-30  
Callaway Plant ERDS Data Point Library Revisions  
Ref: 1) 10 CFR 50, Appendix E.VI.3.a  
2) NUREG – 1384, Revision 1**

As required by NUREG-1384, please find attached revision pages for the Callaway Plant's ERDS data point library reference file. These changes reflect changes made in reference information for Callaway's replacement steam generators and containment sumps and changes to computer point alarm set points.

Please contact Mr. Lewis Beaty, Computer Systems (573) 676-8632 for any questions.

This letter does not contain new commitments.

Sincerely,

A handwritten signature in black ink that reads "L. E. Thibault".

L. E. Thibault  
General Plant Manager

LET/LSB/slk

Enclosure

A026

ULNRC05227  
November 2, 2005  
Page 2

cc: U.S. Nuclear Regulatory Commission  
Attn: Tom Kardaras  
Mail Stop T-4L7  
Washington, DC 20555-0001

Mr. Bruce S. Mallett  
Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-4005

Senior Resident Inspector  
Callaway Resident Office  
U.S. Nuclear Regulatory Commission  
8201 NRC Road  
Steedman, MO 65077

Mr. Jack N. Donohew (2 copies)  
Licensing Project Manager, Callaway Plant  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop 7E1  
Washington, DC 20555-2738

Missouri Public Service Commission  
Governor Office Building  
200 Madison Street  
PO Box 360  
Jefferson City, MO 65102-0360

Attachment to:  
ULNRC05227  
Dated 11/2/2005

NRC EMERGENCY RESPONSE DATA SYSTEM  
DATA POINT LIBRARY  
J-26060A Rev. 3

<u>REV.</u>	<u>AFFECTED PAGES</u>
0	NEW DOCUMENT
1	Page 2 & 9 change SEN0701 units from PCM to %
2	Change Section 2 pages 46, 48, 53-56, and 62 to revise system descriptions. Reference RFR 15126, SCR5929, 6247-6251.
3	Change Section 2 pages 15, 16, 17, 18, 44, 48, 53, 54, 55, 56. Reference MP 00-1008A, 00-1013A, SCR 6342, 6388-6391, 7595-7598, 7737, 7739-7742, 7744.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	10/31/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	REL0404A
Plant Spec Point Desc:	SG A WR LEVEL
Generic/Cond Desc:	STEAM GEN A WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	100% = 586.9 INCHES
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	TUBSHT
Reference Point Notes:	13 INCHES ABOVE TUBE SHEET
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	STEAM GENERATOR A
Alarm/Trip Set Points:	HIHI/HI /LO /LOLO 97 /92 /60 /NA (Plant mode 1-3) 97 /92 /87 /NA (Plant mode 4) NA /NA /87 /NA (Plant mode 5-6)
NI Detector Power Supply	
Cut-off Power Level:	N/A
NI Detector Power Supply	
Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation	
For DP Transmitters:	Y
Level Reference Leg:	WET
Unique System Desc:	73.3% IS TOP OF HIGHEST TUBE. MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	10/31/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 2/B
Point ID:	REL0424A
Plant Spec Point Desc:	SG B WR LEVEL
Generic/Cond Desc:	STEAM GEN B WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	100% = 586.9 INCHES
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	TUBSHT
Reference Point Notes:	13 INCHES ABOVE TUBE SHEET
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	STEAM GENERATOR B
Alarm/Trip Set Points:	HIHI/HI /LO /LOLO 97 /92 /60 /NA (Plant mode 1-3) 97 /92 /87 /NA (Plant mode 4) NA /NA /87 /NA (Plant mode 5-6)
NI Detector Power Supply	
Cut-off Power Level:	N/A
NI Detector Power Supply	
Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation	
For DP Transmitters:	Y
Level Reference Leg	WET
Unique System Desc:	73.3% IS TOP OF HIGHEST TUBE. MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date: 10/31/2005  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: SG LEVEL 3/C  
Point ID: REL0444A  
Plant Spec Point Desc: SG C WR LEVEL  
Generic/Cond Desc: STEAM GEN C WATER LEVEL  
Analog/Digital: A  
Engr Units/Dig States: %  
Engr Units Conversion: 100% = 586.9 INCHES  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: TUBSHT  
Reference Point Notes: 13 INCHES ABOVE TUBE SHEET  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: STEAM GENERATOR C  
Alarm/Trip Set Points  
                  HIHI/HI /LO /LOLO  
                  97 /92 /60 /NA (Plant mode 1-3)  
                  97 /92 /87 /NA (Plant mode 4)  
                  NA /NA /87 /NA (Plant mode 5-6)  
  
NI Detector Power Supply  
Cut-off Power Level: N/A  
NI Detector Power Supply  
Turn-on Power Level: N/A  
Instrument Failure Mode: LOW  
Temperature Compensation  
For DP Transmitters: Y  
Level Reference Leg: WET  
Unique System Desc: 73.3% IS TOP OF HIGHEST TUBE.  
                  MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	10/31/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	REL0464A
Plant Spec Point Desc:	SG D WR LEVEL
Generic/Cond Desc:	STEAM GEN D WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	100% = 586.9 INCHES
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	TUBSHT
Reference Point Notes:	13 INCHES ABOVE TUBE SHEET
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	STEAM GENERATOR D
Alarm/Trip Set Points:	HIHI/HI /LO /LOLO
	97 /92 /60 /NA (Plant mode 1-3)
	97 /92 /87 /NA (Plant mode 4)
	NA /NA /87 /NA (Plant mode 5-6)
NI Detector Power Supply	
Cut-off Power Level:	N/A
NI Detector Power Supply	
Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation	
For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc:	73.3% IS TOP OF HIGHEST TUBE. MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	10/31/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	CTMNT SMP NR
Point ID:	LFL0702
Plant Spec Point Desc:	CONTAINMENT SUMP NR LEVEL
Generic/Cond Desc:	CONTAINMENT SMP NARROW RANGE LVL
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	9.77 GAL/INCH
Minimum Instr Range:	1.175E+01
Maximum Instr Range:	2.575E+01
Zero Point Reference:	TNKBOT
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	MAXIMUM
Sensor Locations:	CONTAINMENT NORMAL SUMPS
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:	LOW
Temperature Compensation	
For DP Transmitters:	Y
Level Reference Leg:	N/A
Unique System Desc:	MAY FAIL HIGH.



Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	11/04/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	EFFS GAS RAD
Point ID:	FCR0385
Plant Spec Point Desc:	AUX FDWTR TURBINE DISCH RAD MON
Generic/Cond Desc:	RADIOACTIVITY OF RELEASES GASSES
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.000E-02
Maximum Instr Range:	1.000E+05
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	VIEWS PLUME FROM TURBINE EXHAUST
Alarm/Trip Set Points:	HIHI / HI /LO /LOLO 8.50E2 /1.5E2 /NA /NA
NI Detector Power Supply	
Cut-off Power Level:	N/A
NI Detector Power Supply	
Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation	
For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc:	MULTIPLY VALUE BY 5.51E-02 TO CONVERT UNITS TO UCI/ML. THIS CONVERSION FACTOR TAKES INTO CONSIDERATION PLUME SIZE AND DISTANCE FACTORS. MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date: 10/31/2005  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: NL  
Point ID: ABR0111  
Plant Spec Point Desc: STM LINE A PORV DISCH RAD MON  
Generic/Cond Desc: STM LINE A PORV DISCH RAD MON  
Analog/Digital: A  
Engr Units/Dig States: MR/HR  
Engr Units Conversion: N/A  
Minimum Instr Range: 1.000E-02  
Maximum Instr Range: 1.000E+05  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: VIEWS PLUME FROM SG A PORV  
Alarm/Trip Set Points: HIHI /HI/LO/LOLO  
1.46E2/27/NA/NA  
  
NI Detector Power Supply  
Cut-off Power Level: N/A  
NI Detector Power Supply  
Turn-on Power Level: N/A  
Instrument Failure Mode: LOW  
Temperature Compensation  
For DP Transmitters: N/A  
Level Reference Leg: N/A  
Unique System Desc: MULTIPLY VALUE BY 4.06E-02 TO CONVERT  
UNITS TO UCI/ML. THIS CONVERSION  
FACTOR TAKES INTO CONSIDERATION PLUME  
SIZE AND DISTANCE FACTORS.  
MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date: 10/31/2005  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: N/A  
Point ID: ABR0112  
Plant Spec Point Desc: STM LINE B PORV DISCH RAD MON  
Generic/Cond Desc: STM LINE B PORV DISCH RAD MON  
Analog/Digital: A  
Engr Units/Dig States: MR/HR  
Engr Units Conversion: N/A  
Minimum Instr Range: 1.000E-02  
Maximum Instr Range: 1.000E+05  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: VIEWS PLUME FROM SG B PORV  
Alarm/Trip Set Points: HIHI /HI/LO/LOLO  
1.46E2/27/NA/NA  
  
NI Detector Power Supply  
Cut-off Power Level: N/A  
NI Detector Power Supply  
Turn-on Power Level: N/A  
Instrument Failure Mode: LOW  
Temperature Compensation  
For DP Transmitters: N/A  
Level Reference Leg: N/A  
Unique System Desc: MULTIPLY VALUE BY 4.06E-02 TO CONVERT  
UNITS TO UCI/ML. THIS CONVERSION  
FACTOR TAKES INTO CONSIDERATION PLUME  
SIZE AND DISTANCE FACTORS.  
MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date: 10/31/2005  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: NL  
Point ID: ABR0113  
Plant Spec Point Desc: STM LINE C PORV DISCH RAD MON  
Generic/Cond Desc: STM LINE C PORV DISCH RAD MON  
Analog/Digital: A  
Engr Units/Dig States: MR/HR  
Engr Units Conversion: N/A  
Minimum Instr Range: 1.000E-02  
Maximum Instr Range: 1.000E+05  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: VIEWS PLUME FROM SG C PORV  
Alarm/Trip Set Points: HIHI /HI/LO/LOLO  
1.46E2/27/NA/NA  
  
NI Detector Power Supply  
Cut-off Power Level: N/A  
NI Detector Power Supply  
Turn-on Power Level: N/A  
Instrument Failure Mode: LOW  
Temperature Compensation  
For DP Transmitters: N/A  
Level Reference Leg: N/A  
Unique System Desc: MULTIPLY VALUE BY 4.06E-02 TO CONVERT  
UNITS TO UCI/ML. THIS CONVERSION  
FACTOR TAKES INTO CONSIDERATION PLUME  
SIZE AND DISTANCE FACTORS.  
MAY FAIL HIGH.

Attachment to:  
ULNRC05227  
Dated 11/2/2005

J-26060A  
Rev. 3

DATA POINT LIBRARY REFERENCE FILE

Date:	10/31/2005
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	NL
Point ID:	ABR0114
Plant Spec Point Desc:	STM LINE D PORV DISCH RAD MON
Generic/Cond Desc:	STM LINE D PORV DISCH RAD MON
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1.000E-02
Maximum Instr Range:	1.000E+05
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	VIEWS PLUME FROM SG D PORV
Alarm/Trip Set Points:	HIHI /HI/LO/LOLO 1.46E2/27/NA/NA
NI Detector Power Supply	
Cut-off Power Level:	N/A
NI Detector Power Supply	
Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation	
For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc:	MULTIPLY VALUE BY 4.06E-02 TO CONVERT UNITS TO UCI/ML. THIS CONVERSION FACTOR TAKES INTO CONSIDERATION PLUME SIZE AND DISTANCE FACTORS. MAY FAIL HIGH.