

October 10, 2007

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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ULNRC05441



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 - 1394, Revision 1

This correspondence is submitted in accordance with 10CFR50 Appendix E section VI.3.a, which requires any hardware and software changes that affect the transmitted data points identified in the ERDS Data Point Library be submitted to the NRC within 30 days after the changes are completed. Please find attached revision pages for the Callaway Plant's ERDS data point library reference file. These changes reflect changes made to Callaway's meteorological tower on 10/9/07.

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, appearing to read "F. M. Diya".

F. M. Diya  
Plant Director

Enclosure (6 pages, 4, 62-66)

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**Index and send hardcopy to QA File A160.0761**

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CRITICAL SAFETY FUNCTION PARAMETERS

PARAMETER	PARAMETER DESCRIPTION	UNITS	COMPUTER POINT
MISCELLANEOUS PARAMETERS			
BWST LEVEL	Borated Water Storage Tank Level	%	REU0511
WIND SPEED	Wind Speed at the Reactor Site	MPH	RDS5010A
WIND SPEED	Wind Speed at the Reactor Site	MPH	RDS5060A
WIND DIR	Wind Direction at the Reactor Site	DEGFR	RDZ5010A
WIND DIR	Wind Direction at the Reactor Site	DEGFR	RDZ5060A
STAB CLASS	Air Stability at the Reactor Site	STABI	RSTX000P

DATA POINT LIBRARY REFERENCE FILE

Date: 10/08/2007  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: WIND SPEED  
Point ID: RDS5010A  
Plant Spec Point Desc: MET TWR 10M A WIND SPEED  
Generic/Cond Desc: WIND SPEED AT REACTOR SITE  
Analog/Digital: A  
Engr Units/Dig States: MPH  
Engr Units Conversion: N/A  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: MET TOWER AT 10 METERS ELEVATION  
Alarm/Trip Set Points: HIHI/HI/LO/LOLO  
40 /NA/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:

DATA POINT LIBRARY REFERENCE FILE

Date:	10/08/2007
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	RDS5060A
Plant Spec Point Desc:	MET TOWER 60M A WIND SPEED
Generic/Cond Desc:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	N/A
Sensor Locations:	MET TOWER AT 60 METERS ELEVATION
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:	N/A
Level Reference Leg:	N/A
Unique System Desc:	

DATA POINT LIBRARY REFERENCE FILE

Date: 10/08/2007  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: WIND DIR  
Point ID: RDZ5010A  
Plant Spec Point Desc: MET TOWER 10M A WIND DIRECTION  
Generic/Cond Desc: WIND DIRECTION AT REACTOR SITE  
Analog/Digital: A  
Engr Units/Dig States: DEGFR  
Engr Units Conversion: N/A  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 3.600E+02  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: MET TOWER AT 10 METERS ELEVATION  
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: N/A  
Level Reference Leg: N/A  
Unique System Desc: MEASURED IN THE "FROM" DIRECTION.  
0 DEG = NORTH.  
MAY FAIL IN ANY MODE.

DATA POINT LIBRARY REFERENCE FILE

Date: 10/08/2007  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: WIND DIR  
Point ID: RDZ5060A  
Plant Spec Point Desc: MET TOWER 60M A WIND DIRECTION  
Generic/Cond Desc: WIND DIRECTION AT REACTOR SITE  
Analog/Digital: A  
Engr Units/Dig States: DEGFR  
Engr Units Conversion: N/A  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 3.600E+02  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: MET TOWER AT 60 METERS ELEVATION  
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: N/A  
Level Reference Leg: N/A  
Unique System Desc: MEASURED IN THE "FROM" DIRECTION.  
0 DEG = NORTH.  
MAY FAIL IN ANY MODE.



DATA POINT LIBRARY REFERENCE FILE

Date: 10/08/2007  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: STAB CLASS  
Point ID: RSTX000P  
Plant Spec Point Desc: MET TWR A STABILITY  
Generic/Cond Desc: AIR STABILITY AT REACTOR SITE  
Analog/Digital: A  
Engr Units/Dig States: STABI  
Engr Units Conversion: N/A  
Minimum Instr Range: 1.000E+00  
Maximum Instr Range: 7.000E+00  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: P  
Number of Sensors: 7  
How Processed: N/A  
Sensor Locations: MET TOWER  
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: N/A  
Level Reference Leg: N/A  
Unique System Desc: STABILITY PRIMARILY BASED ON RATE OF  
VERTICAL TEMPERATURE CHANGE. IF NOT  
VALIDATED GOOD, STABILITY IS BASED ON  
STANDARD DEVIATION OF WIND DIRECTION  
WHEN WIND SPEEDS ARE ABOVE 1 M/S.  
VALIDATION CRITERIA USED: STABILITY  
CLASS DOES NOT CHANGE BY MORE THAN 1  
CLASS IN 15 MINUTES OR 2 CLASSES IN 1  
HOUR.  
1 = EXTREMELY UNSTABLE  
2 = MODERATELY UNSTABLE  
3 = SLIGHTLY UNSTABLE  
4 = NEUTRAL  
5 = SLIGHTLY STABLE  
6 = MODERATELY STABLE  
7 = EXTREMELY STABLE