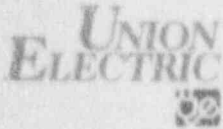


May 11, 1992



U. S. Nuclear Regulatory Commission  
Attn: Document Control Des<sup>r</sup>.  
Mail Station P1-137  
Washington, D.C. 20555

Gentlemen:

ULNRC-2632

DOCKET NUMBER 50-483  
CALLAWAY PLANT  
EMERGENCY RESPONSE DATA SYSTEM  
DATA POINT LIBRARY CHANGES

The attached pages are changes made to Callaway's DPL. The following is a list of the DPL computer points which were changed and faxed to Mr. John Jolicoeur, the NRC ERDS project manager on April 9, and April 15, 1992. These changes were in response to Mr. Jolicoeur's questions to Mr. Eric Schulte on April 8, 1992.

- |             |              |
|-------------|--------------|
| 1) REU0523  | 8) GHR0010B  |
| 2) REL0404A | 9) HBR0018   |
| 3) REL0424A | 10) SPDS0012 |
| 4) REL0444A | 11) SJR0001  |
| 5) REL0464A | 12) SPDS0013 |
| 6) REU0483  | 13) SPDS0053 |
| 7) SPDS0038 | 14) REU0511  |

The following computer point has an additional change which must be made to the DPL due to a change in the computer point instrument ranges at Callaway.

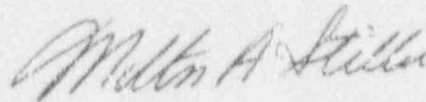
- 1) SPDS0041

180119

*ADD*  
*ADD: NRR/REP/REB*  
*41*

Please contact Mr. Al White, Supervisor, Emergency Preparedness, (314) 676-4961 or Mr. Eric Schulte, Engineer, Computer Support, (314) 676-8486 for follow-up discussion or questions.

Very truly yours,



Milton A. Stiller  
Manager, Nuclear Safety  
and Emergency Preparedness

MAS/AEW/dch  
Attachments

cc: A. B. Davis, Regional Administrator, USNRC Region III  
R. L. Hague, Chief, Reactor Projects Section 3C,  
USNRC Region III  
L. R. Wharton, USNRC Licensing Project Manager  
(2 copies)  
Manager, Electric Department, Missouri Public Service  
Commission. w/o  
B. L. Bartlett, Senior Resident Inspector  
Shaw, Pittman, Potts, & Trowbridge, w/o

DATA POINT LIBRARY CHANGES  
IN RESPONSE TO  
MR. JOLICOEUR'S QUESTIONS

Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: REAC VES L.EV  
Point ID: REU0523  
Plant Spec Point Desc: RV WR A/B LEVEL AVG  
Generic/Cond Desc: REACTOR VESSEL WATER LEVFL  
Analog/Digital: A  
Engr Units/Dig States: %  
Engr Units Conversion: TOTAL INSIDE FLUID HEIGHT 494.9 INCHES  
Minimum Instr Range: -2.500E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: COMPLY  
Reference Point Notes: BOTTOM OF VESSEL  
PROC or SENS: P  
Number of Sensors: 2  
How Processed: AVERAGE  
Sensor Locations: REACTOR VESSEL  
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: WET  
Unique System Desc: USES DIFFERENTIAL PRESSURE ACROSS THE  
VESSEL TO DETERMINE VESSEL LEVEL OR  
RELATIVE VOID CONTENT OF THE CIRCULATING  
PRIMARY COOLANT SYSTEM FLUID.  
MAY FAIL HIGH.

Date	04/15/92
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 1/A
Point ID:	RELO404A
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% = 566 INCHLS
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	TUBSHT
Reference Point Notes:	7 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 71.0/70.0/43.0/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:	Y
Level Reference Leg:	WET
Unique System Desc:	60% IS TOP OF HIGHEST TUBE. MAY FAIL HIGH.

Date: 04/15/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: SG LEVEL 2/B  
Point ID: PEL0424A  
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% = 566 INCHES  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: TUBSHT  
Reference Point Notes: 7 INCHES ABOVE TUBE SHEET  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: STEAM GENERATOR E  
Alarm/Trip Set Points: HIHI/ HI / LO /LOLO  
71.0/70.0/43.0/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: Y  
Level Reference Leg: WET  
Unique System Desc: 60% IS TOP OF HIGHEST TUBE.  
MAY FAIL HIGH.

Date: 04/15/92  
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% = 566 INCHES  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: TUBSHT  
Reference Point Notes: 7 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  
71.0/70.0/43.0/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: Y  
Level Reference Leg: WET  
Unique System Desc: 60% IS TOP OF HIGHEST TUBE.  
MAY FAIL HIGH.

Date:	04/15/92
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	SG LEVEL 4/D
Point ID:	RELO464A
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% = 566 INCHES
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+02
Zero Point Reference:	TUBSHT
Reference Point Notes:	7 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 /LOLC 71.0/70.0/43.0/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:	60% IS TOP OF HIGHEST TUBE. MAY FAIL HIGH.



Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: PRZR LEVEL  
Point ID: REU0483  
Plant Spec Point Desc: PRESS LEVEL 1/2/3 AVG  
Generic/Cond Desc: PRIMARY SYSTEM PRESSURIZER LEVEL  
Analog/Digital: A  
Engr Units/Dig States: %  
Engr Units Conversion: 100% = 555 INCHES  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: COMPLX  
Reference Point Notes: 40 INCHES ABOVE PRESSURIZER BOTTOM  
PROC or SENS: P  
Number of Sensors: 3  
How Processed: AVERAGE  
Sensor Locations: PRESSURIZER  
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: WET  
Unique System Desc: PRESSURIZER VOLUME IS 1800 CUBIC FEET. HEATER TOPS AT 17.5% LEVEL. MAY FAIL HIGH.

Date: 04/09/92  
 Reactor Unit: CW1  
 Data Feeder: N/A  
 NRC ERDS Parameter: EFF GAS RAD  
 Point ID: SPDS0038  
 Plant Spec Point Desc: STACK EFFLUENT RADIATION  
 Generic/Cond Desc: RADIOACTIVITY OF RELEASED GASSES  
 Analog/Digital: A  
 Engr Units/Dig States: UCI/ML  
 Engr Units Conversion: N/A  
 Minimum Instr Range: 1.000E-07  
 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: UNIT VENT DWNSTRM LAST PNT OF RAD ENTRY  
 Alarm/Trip Set Points: N/A  
 NI Detector Power Supply: N/A  
 Cut-off Power Level: N/A  
 NI Detector Power Supply Turn-on Power Level: N/A  
 Instrument Failure Mode: LCW  
 Temperature Compensation For DP Transmitters: N/A  
 Level Reference Leg: N/A  
 Unique System Desc: UNIT VENT FLOW RATES (CFM)  
 15508 A MN STM ENCLOSURE BLD EXHAUST  
 15282 B  
 34642 A FULL SPEED AUX/FUEL BLD EXHAUST  
 29704 B FULL SPEED  
 14118 A SLOW SPEED  
 14187 B SLOW SPEED  
 6152 A ACCESS CONTROL  
 6163 B  
 1052 A COND AIR REMOVAL FILTRATION  
 935 B  
 19679 CONT. SHUTDOWN PURGE EXHAUST  
 3637 CONT. MINIPURGE EXHAUST  
 8760 A FUEL BLD EMERG EXHAUST  
 8820 B  
 ALERT/HIGH ALARMS PER ODCM ON RMS RM-11.  
 MAY FAIL HIGH.

Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC FPDS Parameter: EFFS GAS PAD  
Point ID: GHR0010B  
Plant Spec Point Desc: RADWASTE VENT GAS RAD MON  
Generic/Cond Desc: RADIOACTIVITY OF RELEASED GASSES  
Analog/Digital: A  
Engr Units/Dig States: UCI/ML  
Engr Units Conversion: 2.039E+10 ML/HR  
Minimum Instr Range: 1.000E-07  
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: DOWNSTREAM OF EXHAUST FILTER AND FANS  
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: MONITORS GASEOUS RADIOACTIVITY IN THE  
EFFLUENT RADWASTE BUILDING DUCT. ISOLATES  
WASTE GAS DECAY TANK DISCHARGE LINE ON HIGH  
ALARM.  
FLOW IS 12000 SCFM.  
ALERT/HIGH ALARMS PER ODCM ON RMS RM-11.  
MAY FAIL HIGH.

Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: EFF LIQ RAD  
Point ID: HBR0018  
Plant Spec Point Desc: RADWASTE LIQUID DIS RAD MON  
Generic/Cond Desc: RADIOACTIVITY OF RELEASED LIQUID  
Analog/Digital: A  
Engr Units/Dig States: UCI/ML  
Engr Units Conversion: MAX 2.082E+06 ML/MIN  
Minimum Instr Range: 1.000E-07  
Maximum Instr Range: 9.990E-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: UPSTREAM OF DISCHARGE VALVE  
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: HIGH RADIOACTIVITY ALARM CLOSES THE LIQUID  
RADWASTE SYSTEM DISCHARGE VALVE.  
FLOW IS 0-550 GPM.  
ALERT/HIGH ALARMS PER ODCM ON RMS RM-11.  
MAY FAIL HIGH.

Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: COND A/E RAD  
Point ID: SPDS0012  
Plant Spec Point Desc: CONDENSER AIR DISCHARGE RAD  
Generic/Cond Desc: CONDENSER AIR EJECTOR RAD  
Analog/Digital: A  
Engr Units/Dig States: UCI/ML  
Engr Units Conversion: 1.699E+09 ML/FR  
Minimum Instr Range: 1.000E-07  
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: UPSTREAM OF COND AIR REMOVAL SYS FILTERS  
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: THIS MONITOR CLOSES STEAM GENERATOR  
BLOWDOWN ISOLATION VALVE ON HIGH  
ALARMS. DISCHARGES THROUGH UNIT VENT.  
FLOW IS 1000 SCFM.  
ALERT/HIGH = 2.0E-06/2.0E-05 UCI/ML ON RMS  
RM-11.  
MAY FAIL HIGH.

Date: 04/05/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: RCS LTDN RAD  
Point ID: SJR0001  
Plant Spec Point Desc: CVCS LETDOWN RAD MON  
Generic/Cond Desc: RAD LVL OF RCS LETDOWN LINE  
Analog/Digital: A  
Engr Units/Dig States: UCI/ML  
Engr Units Conversion: MAX 640 ML/MI:  
Minimum Instr Range: 1.000E-03  
Maximum Instr Range: 1.700E+03  
Zero Point Reference: N/A  
Reference Point Notes: N/A  
PROC or SENS: S  
Number of Sensors: 1  
How Processed: N/A  
Sensor Locations: UPSTREAM OF CVCS LETDOWN DEMINERALIZERS  
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: VARIABLE ALERT/HIGH ALARMS ON RMS RM-11.  
MAY FAIL HIGH.

Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: SG 3D RAD 1A  
Point ID: SPDS0013  
Plant Spec Point Desc: STM GEN BLOWDOWN RADIATION  
Generic/Cond Desc: STM GEN BLOWDOWN RADIATION LEVEL  
Analog/Digital: A  
Engr Units/Dig States: UCI/ML  
Engr Units Conversion: MAX 640 ML/MIN  
Minimum Instr Range: 1.000E-07  
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: DOWNSTREAM OF SAMPLE SYS HEAT EXCHANGER  
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: LCW  
Temperature Compensation  
For DP Transmitters: N/A  
Level Reference Leg: N/A  
Unique System Desc: MONITOR CLOSES STEAM GENERATOR BLOWDOWN  
ISOLATION TO PREVENT THE DISCHARGE OF  
RADIOACTIVE FLUID AND TO LIMIT RADIOACTIVE  
CONTAMINATION OF THE BLOWDOWN  
DEMINEALIZERS.  
MONITORS DOWNSTREAM COMB OF 4 LOOPS.  
RMS RM-11 ALERT/HIGH ALARMS =  
1.0E-05/1.0E-04 UCI/ML.  
MAY FAIL HIGH.

Date:	04/09/92
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	SPDS0053
Plant Spec Point Desc:	CONTAINMENT HYDROGEN CONC
Generic/Cond Desc:	CONTAINMENT HYDROGEN CONC
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	CONTAINMENT VOLUME = 2.5E+06 CUBIC FEET
Minimum Instr Range:	0.000E+00
Maximum Instr Range:	1.000E+01
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	CONTAINMENT BLDG 2047' ELEVATION
A. arm/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:	MAY FAIL HIGH.



Date: 04/09/92  
Reactor Unit: CW1  
Data Feeder: N/A  
NRC ERDS Parameter: BWST LEVEL  
Point ID: REU0511  
Plant Spec Point Desc: RWST LEVEL  
Generic/Cond Desc: BORATED WATER STORAGE TANK LEVEL  
Analog/Digital: A  
Engr Units/Dig States: 4  
Engr Units Conversion: 100% = 419445 GALLONS  
Minimum Instr Range: 0.000E+00  
Maximum Instr Range: 1.000E+02  
Zero Point Reference: COMPLX  
Reference Point Notes: 0% = 18722 GALLONS  
PROC or SENS: P  
Number of Sensors: 4  
How Processed: AVERAGE  
Sensor Locations: REFUELING WATER STORAGE TANK  
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: WET  
Unique System Desc: MAY FAIL HIGH.

DATA POINT LIBRARY CHANGE  
DUE TO  
CHANGE IN COMPUTER POINT  
INSTRUMENT RANGES AT CALLAWAY

Date:	04/20/92
Reactor Unit:	CW1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	SPDS0041
Plant Spec Point Desc:	SOURCE RANGE POWER LEVEL
Generic/Plant Desc:	NUCLEAR INSTR SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	N/A
Minimum Instr Range:	2.500E-01
Maximum Instr Range:	1.000E+06
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVERAGE
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	1E-10 AMPS
NI Detector Power Supply Turn-on Power Level:	>1E-10 AMPS
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N/A
Level Reference Leg:	N/A
Unique System Desc:	MAY FAIL HIGH.