

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

January 23, 1998

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. 98-046
NL&OS/GDM
Docket No. 50-280
50-281
License No. DPR-32
DPR-37

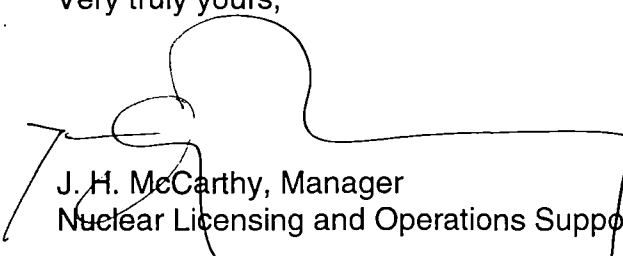
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
EMERGENCY RESPONSE DATA SYSTEM
DATABASE UPDATES

As a result of the final implementation phase of the Surry design change that replaced radiation monitoring recorders and ratemeters, modifications to two additional Emergency Response Data System (ERDS) points were necessary. These modifications were required to reflect changes in the instrument ranges for two radiation monitoring points common to both units. The changes are detailed in the Data Point Library (DPL) reference file forms provided in Attachment 1. Attachment 2 provides the revision summary (change report) for the affected points.

Should you require additional information, please contact us.

Very truly yours,


J. H. McCarthy, Manager
Nuclear Licensing and Operations Support

Attachments

1. Surry Updated Data Point Library Reference File Sheet
2. Revision Summary

9802030018 980123
PDR ADOCK 05000280
F PDR

2-00000



cc: U. S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth Street, Suite 23T85
Atlanta, Georgia 30303

Mr. R. A. Musser
NRC Senior Resident Inspector
Surry Power Station

NUS Corporation / EI Division (Attachments 1 and 2 plus dBase diskette)
P. O. Box 59736
Idaho Falls, Idaho 83405
Attention: Mr. Tony LaRosa

Commitment Summary: No new commitments are intended as a result of this letter.

ATTACHMENT 1

UPDATED DATA POINT LIBRARY REFERENCE FILE SHEETS

SURRY POWER STATION UNITS 1 AND 2

SURRY UNIT 1 UPDATED DATA POINT LIBRARY SHEETS

STATION: Surry

PRINTED

01/08/98

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	01/08/98
REACTOR UNIT:	SU1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM219C
PLANT SPEC POINT DESC:	VENT VENT GASEOUS (110)
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPM
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	10.0
MAXIMUM INSTR RANGE:	1.0E7
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	1
HOW PROCESSED:	EXPONENTIATED VALUE OF LOGARITHMIC INPUT
SENSOR LOCATIONS:	AUX BLDG 45' 10" LEVEL EAST END
ALARM/TRIP SETPOINTS:	VARIABLE
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:	
LEVEL REFERENCE LEG:	N/A
UNIQUE SYSTEM DESC:	

STATION: Surry

PRINTED

01/08/98

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	01/08/98
REACTOR UNIT:	SU1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM220C
PLANT SPEC POINT DESC:	VV PARTICULATE (109)
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPM
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	10.0
MAXIMUM INSTR RANGE:	1.0E7
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	1
HOW PROCESSED:	EXPONENTIATED VALUE OF LOGARITHMIC INPUT
SENSOR LOCATIONS:	AUX BLDG 45' 10" LEVEL EAST END
ALARM/TRIP SETPOINTS:	VARIABLE
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:	
LEVEL REFERENCE LEG:	N/A
UNIQUE SYSTEM DESC:	

SURRY UNIT 2 UPDATED DATA POINT LIBRARY SHEETS

STATION: Surry

PRINTED

01/08/98

UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	01/08/98
REACTOR UNIT:	SU2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM219C
PLANT SPEC POINT DESC:	VENT VENT GASEOUS (110)
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPM
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	10.0
MAXIMUM INSTR RANGE:	1.0E7
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	1
HOW PROCESSED:	EXPONENTIATED VALUE OF LOGARITHMIC INPUT
SENSOR LOCATIONS:	AUX BLDG 45' 10" LEVEL EAST END
ALARM/TRIP SETPOINTS:	VARIABLE
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:	
LEVEL REFERENCE LEG:	N/A
UNIQUE SYSTEM DESC:	

STATION: Surry

PRINTED

01/08/98

UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	01/08/98
REACTOR UNIT:	SU2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM220C
PLANT SPEC POINT DESC:	VV PARTICULATE (109)
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPM
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	10.0
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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:	
LEVEL REFERENCE LEG:	N/A
UNIQUE SYSTEM DESC:	

ATTACHMENT 2

REVISION SUMMARY

SURRY POWER STATION UNITS 1 AND 2

Page No. 1

STATION: Surry
UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE
CHANGE REPORT

PRINTED
01/08/98

(CHANGED) POINT R3RM219C AT 10:34 ON 01/08/98. CHANGES WERE AS FOLLOWS:

DATE: WAS: 05/20/91
IS: 01/08/98

MAXIMUM INSTR RANGE: WAS: 1.0E6
IS: 1.0E7

Page No. 2

STATION: Surry
UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE
CHANGE REPORT

PRINTED
01/08/98

CHANGED POINT R3RM220C AT 10:35 ON 01/08/98. CHANGES WERE AS FOLLOWS:

DATE: WAS: 01/22/97
IS: 01/08/98

MAXIMUM INSTR RANGE: WAS: 1.0E6
IS: 1.0E7

Page No. 1

STATION: Surry
UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE
CHANGE REPORT

PRINTED
01/08/98

CHANGED POINT R3RM219C AT 10:34 ON 01/08/98. CHANGES WERE AS FOLLOWS:

DATE: WAS: 05/20/91
IS: 01/08/98

MAXIMUM INSTR RANGE: WAS: 1.0E6
IS: 1.0E7

Page No. 2

STATION: Surry
UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE
CHANGE REPORT

PRINTED
01/08/98

CHANGED POINT R3RM220C AT 10:35 ON 01/08/98. CHANGES WERE AS FOLLOWS:

DATE: WAS: 01/22/97
IS: 01/08/98

MAXIMUM INSTR RANGE: WAS: 1.0E6
IS: 1.0E7