



September 26, 2011

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

Serial No.: 11-518  
NLOS/GLR  
Docket Nos.: 50-280/281  
License Nos.: DPR-32/37

**VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)**  
**SURRY POWER STATION UNITS 1 AND 2**  
**EMERGENCY RESPONSE DATA SYSTEM (ERDS) DATABASE REVISIONS**

Pursuant to 10 CFR 50, Appendix E. VI.3.a, Dominion is hereby notifying the NRC of data point modifications implemented at Surry Power Station Units 1 and 2. A summary of data point changes (i.e., change reports) is provided in Attachments 1 and 2 for Surry Power Station Units 1 and 2, respectively.

If you have any questions, please contact Mr. Gary D. Miller (804) 273-2771.

Very truly yours,

A handwritten signature in black ink, reading "Paul A. Blasioli". The signature is written in a cursive, flowing style.

Paul A. Blasioli, Director  
Nuclear Protection Services and Emergency Preparedness  
Dominion Resources Services, Inc.  
for Virginia Electric and Power Company

**Attachments**

1. Surry Unit 1 Emergency Response Data System Data Point Revision Summary
2. Surry Unit 2 Emergency Response Data System Data Point Revision Summary

Commitments made in this letter: None

cc: U. S. Nuclear Regulatory Commission  
Region II  
Marquis One Tower  
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Suite 1200  
Atlanta, Georgia 30303-1257

Ms. K. R. Cotton  
NRC Project Manager  
U. S. Nuclear Regulatory Commission  
One White Flint North  
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NRC Senior Resident Inspector  
Surry Power Station

**Attachment 1**

**Surry Unit 1 Emergency Response Data System Data Point Revision  
Summary**

**Virginia Electric and Power Company  
(Dominion)  
Surry Power Station**

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM203C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
REACTOR UNIT:	SU1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM203C
PLANT SPEC POINT DESC:	PROCESS VENT GAS (102)
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:	1.0E6
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 WEST 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:	Monitors the radiation level of air taken from the process vent.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM208C AT 14:17 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
REACTOR UNIT:	SU1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM208C
PLANT SPEC POINT DESC:	PV PARTICULATE (101)
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:	1.0E6
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 WEST 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:	Monitors the radiation level of particles in the air taken out of the process vent.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM219C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
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:	1.0E6
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:	Monitors the radiation level of air taken from ventilation vent stack #2.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM220C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
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:	1.0E6
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:	Monitors the radiation level of particles in the air taken from ventilation vent stack #2.

**Attachment 2**

**Surry Unit 2 Emergency Response Data System Data Point Revision  
Summary**

**Virginia Electric and Power Company  
(Dominion)  
Surry Power Station**



PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM203C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
REACTOR UNIT:	SU2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM203C
PLANT SPEC POINT DESC:	PROCESS VENT GAS (102)
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:	1.0E6
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 WEST 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:	Monitors the radiation level of air taken from the process vent.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM208C AT 14:17 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
REACTOR UNIT:	SU2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM208C
PLANT SPEC POINT DESC:	PV PARTICULATE (101)
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:	1.0E6
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 WEST 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:	Monitors the radiation level of particles in the air taken out of the process vent.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM219C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
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:	1.0E6
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:	Monitors the radiation level of air taken from ventilation vent stack #2.

PWR DATA POINT LIBRARY REFERENCE FILE  
CHANGE REPORT

DELETED POINT R3RM220C AT 14:18 ON 08/25/2011. FIELDS WERE AS FOLLOWS:

DATE:	05/20/1991
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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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:	Monitors the radiation level of particles in the air taken from ventilation vent stack #2.