

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

March 22, 2002

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555-0001

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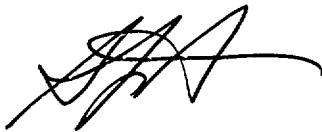
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY (DOMINION)
NORTH ANNA POWER STATION UNITS 1 AND 2
EMERGENCY RESPONSE DATA SYSTEM
DATABASE UPDATES

Modifications to four Emergency Response Data System (ERDS) points have been implemented at North Anna Power Station as a result of replacement of the process vent radiation monitors. The radiation monitors are common to both units. The changes are detailed in the Data Point Library (DPL) reference file forms provided in Attachments 1 and 2. Attachment 3 provides the revision summary (change report) for the affected points.

No new commitments are intended by this letter. If you have any questions concerning these results, please contact us.

Very truly yours,



S. P. Sarver
Director - Nuclear Licensing and Operations Support

Attachments

1. North Anna Unit 1 Updated Data Point Library Sheets
2. North Anna Unit 2 Updated Data Point Library Sheets
3. Revision Summary

A026

cc: U.S. Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth St., SW, Suite 23 T85
Atlanta, GA 30303-8931

Mr. M. J. Morgan
NRC Senior Resident Inspector
North Anna Power Station

Ms. K. Lynne Saul, Program Manager (diskette enclosed)
Engineering, Scientific, & Management Services
Scientech, Inc.
440 West Broadway
Idaho Falls, ID 83402

ATTACHMENT 1

NORTH ANNA UNIT 1 UPDATED DATA POINT LIBRARY SHEETS

STATION: North Anna

PRINTED

03/11/2002

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	03/11/2002
REACTOR UNIT:	NA1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM226C
PLANT SPEC POINT DESC:	VS A HIGH RAD MON
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	UCI/CC
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1.0E-4
MAXIMUM INSTR RANGE:	1.0E+5
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:	TURB BLDG ELEV 303
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:	Senses radiation level in a sample taken from vent stack "A". This is the high range instrument for this data.

STATION: North Anna

PRINTED

03/11/2002

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE: 03/11/2002
REACTOR UNIT: NA1
DATA FEEDER: N/A
NRC ERDS PARAMETER: EFF GAS RAD
POINT ID: R3RM227C
PLANT SPEC POINT DESC: VS A HIGH RADN RATE MON
GENERIC/COND DESC: RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL: A
ENGR UNITS/DIG STATES: UCI/S
ENGR UNITS CONVERSION: N/A
MINIMUM INSTR RANGE: 1.0E+3
MAXIMUM INSTR RANGE: 1.0E+13
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: TURB BLDG ELEV 303
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: Senses radiation level in a sample taken from vent stack "A"
and provides a signal to RG-VG179-2A's microcomputer for
determination of radiation release rate. This is the high
range instrument for this data.

STATION: North Anna

PRINTED

03/11/2002

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	03/11/2002
REACTOR UNIT:	NA1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM228C
PLANT SPEC POINT DESC:	VS A NORMAL RAD MON
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	UCI/CC
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1.0E-7
MAXIMUM INSTR RANGE:	1.0E-2
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:	TURB BLDG ELEV 303
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:	N/A
LEVEL REFERENCE LEG:	N/A
UNIQUE SYSTEM DESC:	Senses radiation level in a sample taken from vent stack "A". This is the normal range instrument for this data.

STATION: North Anna

PRINTED

03/11/2002

UNIT: 1
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	03/11/2002
REACTOR UNIT:	NA1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM229C
PLANT SPEC POINT DESC:	VS A NORM RADN RATE MON
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	UCI/S
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1.0E-1
MAXIMUM INSTR RANGE:	1.0E+7
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:	TURB BLDG ELEV 303
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:	Senses radiation level in a sample taken from vent stack "A" and provides a signal to RG-VG179-1A's microcomputer for determination of radiation release rate. This is the normal range instrument for this data.

ATTACHMENT 2

NORTH ANNA UNIT 2 UPDATED DATA POINT LIBRARY SHEETS

STATION: North Anna

PRINTED

03/11/2002

UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE

DATE:	03/11/2002
REACTOR UNIT:	NA2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM226C
PLANT SPEC POINT DESC:	VS A HIGH RAD MON
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	UCI/CC
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1.0E-4
MAXIMUM INSTR RANGE:	1.0E+5
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:	TURB BLDG ELEV 303
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:	Senses radiation level in a sample taken from vent stack "A". This is the high range instrument for this data.

STATION: North Anna
UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE

PRINTED
03/11/2002

DATE:	03/11/2002
REACTOR UNIT:	NA2
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	EFF GAS RAD
POINT ID:	R3RM227C
PLANT SPEC POINT DESC:	VS A HIGH RADN RATE MON
GENERIC/COND DESC:	RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	UCI/S
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1.0E+3
MAXIMUM INSTR RANGE:	1.0E+13
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:	TURB BLDG ELEV 303
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:	Senses radiation level in a sample taken from vent stack "A" and provides a signal to RG-VG179-2A's microcomputer for determination of radiation release rate. This is the high range instrument for this data.

STATION: North Anna
UNIT: 2
PWR DATA POINT LIBRARY REFERENCE FILE

PRINTED
03/11/2002

DATE: 03/11/2002
REACTOR UNIT: NA2
DATA FEEDER: N/A
NRC ERDS PARAMETER: EFF GAS RAD
POINT ID: R3RM228C
PLANT SPEC POINT DESC: VS A NORMAL RAD MON
GENERIC/COND DESC: RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL: A
ENGR UNITS/DIG STATES: UCI/CC
ENGR UNITS CONVERSION: N/A
MINIMUM INSTR RANGE: 1.0E-7
MAXIMUM INSTR RANGE: 1.0E-2
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: TURB BLDG ELEV 303
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: Senses radiation level in a sample taken from vent stack
"A". This is the normal range instrument for this data.

STATION: North Anna

UNIT: 2

PRINTED

03/11/2002

PWR DATA POINT LIBRARY REFERENCE FILE

DATE: 03/11/2002
REACTOR UNIT: NA2
DATA FEEDER: N/A
NRC ERDS PARAMETER: EFF GAS RAD
POINT ID: R3RM229C
PLANT SPEC POINT DESC: VS A NORM RADN RATE MON
GENERIC/COND DESC: RADIOACTIVITY OF RELEASED GASES
ANALOG/DIGITAL: A
ENGR UNITS/DIG STATES: UCI/S
ENGR UNITS CONVERSION: N/A
MINIMUM INSTR RANGE: 1.0E-1
MAXIMUM INSTR RANGE: 1.0E+7
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: TURB BLDG ELEV 303
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: Senses radiation level in a sample taken from vent stack "A"
and provides a signal to RG-VG179-1A's microcomputer for
determination of radiation release rate. This is the normal
range instrument for this data.

ATTACHMENT 3

REVISION SUMMARY

Page No. 1

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

PRINTED
03/11/2002

CHANGED POINT R3RM226C AT 10:06 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 3.162E-4
IS: 1.0E-4

Page No. 2

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

PRINTED
03/11/2002

CHANGED POINT R3RM227C AT 10:07 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 1.259E+5
IS: 1.0E+3

Page No. 3

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

PRINTED
03/11/2002

CHANGED POINT R3RM228C AT 10:08 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MAXIMUM INSTR RANGE: WAS: 10.0
IS: 1.0E-2

Page No. 4

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

PRINTED
03/11/2002

CHANGED POINT R3RM229C AT 10:09 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 1.0E-2
IS: 1.0E-1

MAXIMUM INSTR RANGE: WAS: 1.0E+6
IS: 1.0E+7

Page No. 1

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

PRINTED
03/11/2002

CHANGED POINT R3RM226C AT 10:06 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 3.162E-4
IS: 1.0E-4

Page No. 2

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

PRINTED
03/11/2002

CHANGED POINT R3RM227C AT 10:07 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 1.259E+5
IS: 1.0E+3

Page No. 3

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

PRINTED
03/11/2002

CHANGED POINT R3RM228C AT 10:08 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MAXIMUM INSTR RANGE: WAS: 10.0
IS: 1.0E-2

Page No. 4

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

PRINTED
03/11/2002

CHANGED POINT R3RM229C AT 10:09 ON 03/11/2002. CHANGES WERE AS FOLLOWS:

DATE: WAS: 03/21/1991
IS: 03/11/2002

MINIMUM INSTR RANGE: WAS: 1.0E-2
IS: 1.0E-1

MAXIMUM INSTR RANGE: WAS: 1.0E+6
IS: 1.0E+7