



Public Service Electric and Gas Company P.O. Box 236 Hancocks Bridge, New Jersey 08038-0236
Nuclear Business Unit

MAR 16 1998
LR-N980123

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

**UPDATE OF EMERGENCY RESPONSE DATA SYSTEM (ERDS)
DATA POINT LIBRARY
SALEM GENERATING STATION UNIT NO. 1
DOCKET NO. 50-272**

Ladies and Gentlemen:

In accordance with 10CFR50 Appendix E Section VI.3.a, Public Service Electric and Gas (PSE&G) is notifying the NRC of changes to the Salem Unit 1 ERDS Data Point Library (DPL). These changes affect the following ERDS data points U1LT0501S, U1LT0502S, U1LT0503S, U1LT0504S, U1LT0920S, U1R0044AS, U1R0046AS, U1R0046BS, U1R0046CS, and U1R0046DS. The changes to the DPL are enclosed and are marked with revision bars.

If you should have any questions regarding this submittal, please contact us.

Sincerely,

David R. Powell
Director - Licensing/Regulation and
Fuels

Enclosures

9803240245 980316
PDR ADOCK 05000272
F PDR

The power is in your hands.

C Mr. Hubert J. Miller, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Patrick Milano, Licensing Project Manager - Salem
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Mail Stop 14E21
Rockville, MD 20852

Ms. M. Evans (X24)
USNRC Senior Resident Inspector - Salem

Mr. K. Tosch, Manager, IV
Bureau of Nuclear Engineering
P.O. Box 415
Trenton, NJ 08625

Ms. E. Falone
Delaware Emergency Management Agency
P. O. Box 527
Delaware City, DE 19706

Document Control Desk
LR-N980123

3

MAR 16 1998

BJT

BC Senior Vice President - Nuclear Engineering (N19)
Senior Vice President - Nuclear Operations (X04)
General Manager - Salem Operations (S05)
Director - QA/NT/EP (X01)
Manager - Quality Assessment (X16)
Program Manager - Nuclear Review Board (N38)
Manager - Financial Control & Co-Owner Affairs (N07)
Electrical Design Engineering Manager (N47)
J. J. Keenan, Esq. (N21)
Records Management (N21)
Microfilm Copy
File Nos. 1.2.1, 5.25

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93
 Reactor Unit: SA1
 Data Feeder: SPDS
 NRC ERDS Parameter: SG LEVEL 1
 Point ID: U1LT0501S
 Plant Spec Point Desc.: #11 SG LEVEL WIDE RANGE
 Generic/Cond Desc.: STEAM GENERATOR LEVEL
 Analog/Digital: A
 Engr Units/Dig States: %
 Engr Units Conversion: NA
 Minimum Instr Range: 0
 Maximum Instr Range: 100
 Zero Point Reference: TUBSHT
 Reference Point Notes: 0 TO 559 IN H2O
 PROC or SENS: S
 Number of Sensors: 001
 How Processed: NA
 Sensor Locations: PANEL 448 IN CNTMNT EL. 100
 Alarm/Trip Set Points: HIHI:67.0, LOLO:8.5, LO:25.0
 NI Detector Power Supply
 Cut-off Power Level: NA
 NI Detector Power Supply
 Turn-on Power Level: NA
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: Y
 Level Reference Leg: WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG LEVEL 1
Point ID: U1LT0501S
Plant Spec Point Desc.: #11 SG LEVEL WIDE RANGE

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL
IN STEAM GENERATOR. TRIP SETPOINTS
PROVIDED BY NARROW RANGE CHANNELS. NR
TRIPS AT 67 INC, 16 DEC. LOWER INSTRU-
MENT TAP 4 INCHES ABOVE TUBE SHEET.
ELEV. OF TOP OF TUBE BUNDLE IS 135'0".

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: SG LEVEL 2

Point ID: U1LT0502S

Plant Spec Point Desc.: #12 SG LEVEL WIDE RANGE

Generic/Cond Desc.: STEAM GENERATOR LEVEL

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: NA

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: TUBSHT

Reference Point Notes: 0 TO 559 IN H2O

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: PANEL 448 IN CNTMNT EL. 100

Alarm/Trip Set Points: HIHI:67.0, LOLO:8.5, LO:25.0

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters: Y

Level Reference Leg: WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG LEVEL 2
Point ID: U1LT0502S
Plant Spec Point Desc.: #12 SG LEVEL WIDE RANGE

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL IN
STEAM GENERATOR. TRIP SETPOINTS PROVIDED
BY NARROW RANGE CHANNELS. NR TRIPS AT
67 INC, 16 DEC. LOWER INSTRUMENT TAP
4 INCHES ABOVE TUBE SHEET.
ELEV. OF TOP OF TUBE BUNDLE IS 135'0".

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: SG LEVEL 3

Point ID: U1LT0503S

Plant Spec Point Desc.: #13 SG LEVEL WIDE RANGE

Generic/Cond Desc.: STEAM GENERATOR LEVEL

Analog/Digital: A

Engr Units/Dig States: %

Engr Units Conversion: NA

Minimum Instr Range: 0

Maximum Instr Range: 100

Zero Point Reference: TUBSHT

Reference Point Notes: 0 TO 559 IN H2O

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: PANEL 448 IN CNTMNT EL. 100

Alarm/Trip Set Points: HIHI:67.0, LOLO:8.5, LO:25.0

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters: Y

Level Reference Leg: WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG LEVEL 3
Point ID: U1LT0503S
Plant Spec Point Desc.: #13 SG LEVEL WIDE RANGE

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL IN
STEAM GENERATOR. TRIP SETPOINTS PROVIDED
BY NARROW RANGE CHANNELS. NR TRIPS AT
67 INC, 16 DEC. LOWER INSTRUMENT TAP
4 INCHES ABOVE TUBE SHEET.
ELEV. OF TOP OF TUBE BUNDLE IS 135'0".

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93
 Reactor Unit: SA1
 Data Feeder: SPDS
 NRC ERDS Parameter: SG LEVEL 4
 Point ID: U1LT0504S
 Plant Spec Point Desc.: #14 SG LEVEL WIDE RANGE
 Generic/Cond Desc.: STEAM GENERATOR LEVEL
 Analog/Digital: A
 Engr Units/Dig States: %
 Engr Units Conversion: NA
 Minimum Instr Range: 0
 Maximum Instr Range: 100
 Zero Point Reference: TUBSHT
 Reference Point Notes: 0 TO 559 IN H2O
 PROC or SENS: S
 Number of Sensors: 001
 How Processed: NA
 Sensor Locations: PANEL 448 IN CNTMNT EL. 100
 Alarm/Trip Set Points: HIHI:67.0, LOLO:8.5, LO:25.0
 NI Detector Power Supply
 Cut-off Power Level: NA
 NI Detector Power Supply
 Turn-on Power Level: NA
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters: Y
 Level Reference Leg: WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG LEVEL 4
Point ID: U1LT0504S
Plant Spec Point Desc.: #14 SG LEVEL WIDE RANGE

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL IN
STEAM GENERATOR. TRIP SETPOINTS PROVIDED
BY NARROW RANGE CHANNELS. NR TRIPS AT
67 INC, 16 DEC. LOWER INSTRUMENT TAP
4 INCHES ABOVE TUBE SHEET.
ELEV. OF TOP OF TUBE BUNDLE IS 135'0".

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: BWST LEVEL

Point ID: U1LT0920S

Plant Spec Point Desc.: RWST LEVEL CH D

Generic/Cond Desc.: REFUELING WATER STOR. TK LEVEL

Analog/Digital: A

Engr Units/Dig States: FT

Engr Units Conversion: NA

Minimum Instr Range: 0

Maximum Instr Range: 48

Zero Point Reference: TNKBOT

Reference Point Notes: NA

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: PANEL 378 AT RWST

Alarm/Trip Set Points: HI:41.9, LO:15.2, LOLO:1.0

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters:

Level Reference Leg: WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: BWST LEVEL
Point ID: U1LT0920S
Plant Spec Point Desc.: RWST LEVEL CH D

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL IN
RWST: FULL TANK EQUALS 400,000 GAL.

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: CNTMNT RAD

Point ID: U1R0044AS

Plant Spec Point Desc.: R44A CNTMT POST LOCA RAD MON

Generic/Cond Desc.: RADIATION LEVEL IN CONTAINMENT

Analog/Digital: A

Engr Units/Dig States: R/HR

Engr Units Conversion: LOG

Minimum Instr Range: 1E0

Maximum Instr Range: 1E7

Zero Point Reference: NA

Reference Point Notes: NA

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: IN CNTMNT

Alarm/Trip Set Points: HI:100, HIHI:600.0

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters:

Level Reference Leg: NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: CNTMNT RAD
Point ID: U1R0044AS
Plant Spec Point Desc.: R44A CNTMT POST LOCA RAD MON

Unique System Desc.: PROVIDES INDICATION OF GENERAL RADIATION
LEVEL INSIDE CONTAINMENT.

DATA POINT LIBRARY REFERENCE FILE

Date: 03/23/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: MAIN SL 2

Point ID: U1R0046AS

Plant Spec Point Desc.: MAIN STEAM RAD MON R46A

Generic/Cond Desc.: STM GEN2 STM LINE RAD LEVEL

Analog/Digital: A

Engr Units/Dig States: MR/HR

Engr Units Conversion: LOG SCALE

Minimum Instr Range: 0.1

Maximum Instr Range: 10000

Zero Point Reference: NA

Reference Point Notes: NA

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: BLDG 04, EL. 100

Alarm/Trip Set Points: HI:5.0, HIHI:6.5

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters:

Level Reference Leg: NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MAIN SL 2
Point ID: U1R0046AS
Plant Spec Point Desc.: MAIN STEAM RAD MON R46A

Unique System Desc.: ENG. RANGE EQUIVALENT TO 0.1 TO
5000 uCi/cc XE-133. PROVIDES INDICATION
OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: MAIN SL 4

Point ID: U1R0046BS

Plant Spec Point Desc.: MAIN STEAM RAD MON R46B

Generic/Cond Desc.: STM GEN4 STM LINE RAD LEVEL

Analog/Digital: A

Engr Units/Dig States: MR/HR

Engr Units Conversion: LOG SCALE

Minimum Instr Range: 0.1

Maximum Instr Range: 10,000

Zero Point Reference: NA

Reference Point Notes: NA

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: BLDG 04, EL. 100

Alarm/Trip Set Points: HI:5.0, HIHI:6.5

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters:

Level Reference Leg: NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MAIN SL 4
Point ID: U1R0046BS
Plant Spec Point Desc.: MAIN STEAM RAD MON R46B

Unique System Desc.: ENG. RANGE EQUIVALENT TO 0.1 TO
5000 uCi/CC XE-133. PROVIDES INDICATION
OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date: 02/03/93
 Reactor Unit: SA1
 Data Feeder: SPDS
 NRC ERDS Parameter: MAIN SL 1
 Point ID: U1R0046CS
 Plant Spec Point Desc.: MAIN STEAM RAD MON R46C
 Generic/Cond Desc.: STM GEN1 STM LINE RAD LEVEL
 Analog/Digital: A
 Engr Units/Dig States: MR/HR
 Engr Units Conversion: LOG SCALE
 Minimum Instr Range: 0.1
 Maximum Instr Range: 10,000
 Zero Point Reference: NA
 Reference Point Notes: NA
 PROC or SENS: S
 Number of Sensors: 001
 How Processed: NA
 Sensor Locations: BLDG 04, EL. 100
 Alarm/Trip Set Points: HI:5.0, HIHI:6.5
 NI Detector Power Supply
 Cut-off Power Level: NA
 NI Detector Power Supply
 Turn-on Power Level: NA
 Instrument Failure Mode: LOW
 Temperature Compensation
 For DP Transmitters:
 Level Reference Leg: NA

DATA POINT LIBRARY REFERENCE FILE CONT:

NRC ERDS Parameter: MAIN SL 1
Point ID: U1R0046CS
Plant Spec Point Desc.: MAIN STEAM RAD MON R46C

Unique System Desc.: ENG RANGE EQUIVALENT TO 0.1 TO
5000 uCi/cc XE-133. PROVIDES INDICATION
OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date: 03/23/93

Reactor Unit: SA1

Data Feeder: SPDS

NRC ERDS Parameter: MAIN SL 3

Point ID: U1R0046DS

Plant Spec Point Desc.: MAIN STEAM RAD MON R46D

Generic/Cond Desc.: STM GEN3 STM LINE RAD LEVEL

Analog/Digital: A

Engr Units/Dig States: MR/HR

Engr Units Conversion: LOG SCALE

Minimum Instr Range: 0.1

Maximum Instr Range: 10,000

Zero Point Reference: NA

Reference Point Notes: NA

PROC or SENS: S

Number of Sensors: 001

How Processed: NA

Sensor Locations: BLDG 04, EL. 100

Alarm/Trip Set Points: HI:5.0, HIHI:6.5

NI Detector Power Supply
Cut-off Power Level: NA

NI Detector Power Supply
Turn-on Power Level: NA

Instrument Failure Mode: LOW

Temperature Compensation
For DP Transmitters:

Level Reference Leg: NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MAIN SL 3
Point ID: U1R0046DS
Plant Spec Point Desc.: MAIN STEAM RAD MON R46D

Unique System Desc.: ENG RANGE EQUIVALENT TO 0.1 TO
 5000 uCi/cc XE-133 PROVIDES INDICATION
 OF RADIOACTIVITY WITHIN MAIN STEAM LINE.