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PR

March 30, 2001

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No. 50-382  
License No. NPF-38  
ERDS Data Point Library (DPL) Changes

Gentlemen:

Entergy is hereby notifying the NRC Staff of updates to the Waterford 3 Emergency Response Data System (ERDS) Data Point Library (DPL), in accordance with 10 CFR 50 Appendix E.VI.3.a. Attached are updated DPL reference file pages reflecting changes made affecting five NRC ERDS parameters. The changes to two of the parameters (RCS LTDN RAD and COND A/E RAD) were not reported within the required 30-day period. This is being addressed within the Waterford 3 Corrective Action Program (CR-WF3-2001-0296).

If you have any questions, please contact O. Pipkins at (504) 739-6707. There are no commitments contained in this submittal.

Very truly yours,

A handwritten signature in cursive script, appearing to read "A. J. Harris".

A. J. Harris  
Director  
Nuclear Safety Assurance

AJH/OPP/cbh

cc: E.W. Merschoff (NRC Region IV), N. Kalyanam (NRC-NRR),  
J. Smith, N. S. Reynolds, NRC Resident Inspectors Office

A026

## **Description of ERDS Data Point Library (DPL) Changes**

**NRC ERDS Parameter:** NI SOURCE RNG  
**Generic Description:** Nuclear Instr Source Range

Changed the Minimum Instrument Range, as well as the NI Detector Power Supply Cut-off and Turn-on Power Levels to their proper values.

**NRC ERDS Parameter:** EFF GAS RAD  
**Generic Description:** Radioactivity of Released Gases

Replaced the point for this parameter. The current point is Plant Stack Gas Radiation in engineering units of uCi/CC. The new point is Plant Stack Gas Radiation Release Rate in engineering units of uCi/Second.

**NRC ERDS Parameter:** COND A/E RAD  
**Generic Description:** Condenser Air Ejector Radioactivity

Replaced the point for this parameter. The current point is from a radiation monitor that has been removed. The new point is a radiation monitor that provides the same information.

**NRC ERDS Parameter:** CNTMNT RAD  
**Generic Description:** Radiation Level in Containment

Replaced the point for this parameter. The current point is Containment Area Radiation in engineering units of mR/HR. The new point is Containment High Range Area Radiation in engineering units R/HR.

**NRC ERDS Parameter:** RCS LTDN RAD  
**Generic Description:** Rad Level of RCS Letdown Line

No point will be provided for this parameter. The current point is from a radiation monitor that has been removed. There is no other point available which provides this information.

# DATA POINT LIBRARY REFERENCE FILE

Date: 3/19/01  
 Reactor Unit: WF3  
 Data Feeder: N/A  
  
 NRC ERDS Parameter: NI SOURC RNG  
 Point ID: S27101  
 Plant Spec Point Desc.: Startup Channel 2 Neutron Flux Level  
 Generic/Cont Desc.: Nuclear Instr Source Range  
  
 Analog/Digital: A  
 Engr Units/Dig States: CPS  
 Engr Units Conversion: N/A  
  
 Minimum Instr Range: 1.00E+00  
 Maximum Instr Range: 1.00E+05  
  
 Zero Point Reference: N/A  
 Reference Point Notes: N/A  
  
 PROC or SENS: P  
 Number of Sensors: 1  
 How Processed: Unit Conversion  
 Sensor Locations: Outside Reactor Vessel at Level of Core  
 Alarm/Trip Set Points: N/A  
  
 NI Detector Power Supply  
 Cut-off Power Level: 1.00E-06% of Logarithmic Power  
 NI Detector Power Supply  
 Turn-on Power Level: 1.00E-06% of Logarithmic Power  
  
 Instrument Failure Mode: Medium  
  
 Temperature Compensation  
 For DP Transmitter: N/A  
 Level Reference Leg: N/A

## Unique System Desc.:

Excure Nuclear Instrument Neutron Flux Detector 0005  
 DATA IS NOT AVAILABLE IN REQUESTED FORM

## INPUTS:

A27101: STARTUP CH 2 NEUTRON FLUX LEVEL

Prepared by: TCP [Signature] 3/19/01  
 (Printed initials/signature/date)

Verified by: Wm M. [Signature] 3/19/01

Data Base Item Number: 130

03/19/01

Page 3

# DATA POINT LIBRARY REFERENCE FILE

Date: 3/19/01  
 Reactor Unit: WF3  
 Data Feeder: N/A  
  
 NRC ERDS Parameter: EFF GAS RAD  
 Point ID: C48194  
 Plant Spec Point Desc.: Plant Stack Gas Radiation Release Rate  
 Generic/Cont Desc.: Radioactivity of Released Gasses  
  
 Analog/Digital: ~~D~~ A <sup>3/21/01</sup>  
 Engr Units/Dig States:  $\mu\text{Ci/Second}$   
 Engr Units Conversion: N/A  
  
 Minimum Instr Range: N/A  
 Maximum Instr Range: N/A  
  
 Zero Point Reference: N/A  
 Reference Point Notes: N/A  
  
 PROC or SENS: P  
 Number of Sensors: 4  
 How Processed: Calculated Radiation Release Rate Point  
 Sensor Locations: Plant Stack Exhaust +46 Wing Area  
 Alarm/Trip Set Points: Alarm: HI =  $1.82\text{E}+06 \mu\text{Ci/Second}$  LO = 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: Medium  
  
 Temperature Compensation  
 For DP Transmitter: N/A  
 Level Reference Leg: N/A  
  
 Unique System Desc.:

Wide Range Gas Monitor Radiation Element 0110

## INPUTS:

C48185 PRM+46 WING PS WRGM LR GAS ACTY  
 C48188 PRM+46 WING PS WRGM MR GAS ACTY  
 C48191 PRM+46 WING PS WRGM HR GAS ACTY  
 C48187 PRM+46 WING PS WRGM LR GAS PROC FLOW

Prepared by: TCP [Signature] 3/19/01 Verified by: WMM [Signature] 3/19/01  
 (Printed initials/signature/date)

Data Base Item Number: 511

03/19/01

Page 47

# DATA POINT LIBRARY REFERENCE FILE

Date: 3/19/01  
 Reactor Unit: WF3  
 Data Feeder: N/A  
  
 NRC ERDS Parameter: COND A/E RAD  
 Point ID: C48218  
 Plant Spec Point Desc.: Condenser Vacuum Pump Exhaust Radioactivity  
 Generic/Cont Desc.: Condenser Air Ejector Radioactivity  
  
 Analog/Digital: ~~D~~ A ~~3/2/01~~  
 Engr Units/Dig States:  $\mu\text{Ci/Second}$   
 Engr Units Conversion: N/A  
  
 Minimum Instr Range: N/A  
 Maximum Instr Range: N/A  
  
 Zero Point Reference: N/A  
 Reference Point Notes: N/A  
  
 PROC or SENS: P  
 Number of Sensors: 4  
 How Processed: Calculated Radiation Release Rate Point  
 Sensor Locations: Condenser Vacuum Pump Exhaust  
 Alarm/Trip Set Points: Alarm: HI =  $1.61\text{E}+00 \mu\text{Ci/Second}$  LO = 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: Medium  
  
 Temperature Compensation  
 For DP Transmitter: N/A  
 Level Reference Leg: N/A  
  
 Unique System Desc.:

Wide Range Gas Monitor Radiation Element 0002

## INPUTS:

C48209 PRM+15 TB CVP WRGM LR GAS ACTY  
 C48212 PRM+15 TB CVP WRGM MR GAS ACTY  
 C48215 PRM+15 TB CVP WRGM HR GAS ACTY  
 C48211 PRM+15 TB CVP WRGM LR GAS PROC FLOW

**\*\*NOTE:** Actual alarm setpoint determined by site procedure CE-003-516

Prepared by: TCP [Signature] 3/19/01  
 (Printed initials/signature/date)

Verified by: Wm M. Murray 3/19/01  
 (Printed initials/signature/date)

Data Base Item Number: 513

# DATA POINT LIBRARY REFERENCE FILE

Date: 3/19/01  
 Reactor Unit: WF3  
 Data Feeder: N/A  
  
 NRC ERDS Parameter: CNTMNT RAD  
 Point ID: C48235  
 Plant Spec Point Desc.: Containment High Range Area Radiation  
 Generic/Cont Desc.: Radiation Level in Containment  
  
 Analog/Digital: *DA 76 3/21/01*  
 Engr Units/Dig States: R/HR  
 Engr Units Conversion: N/A  
  
 Minimum Instr Range: 1.00E+00  
 Maximum Instr Range: 1.00E+08  
  
 Zero Point Reference: N/A  
 Reference Point Notes: N/A  
  
 PROC or SENS: S  
 Number of Sensors: 1  
 How Processed: Single Field Radiation Monitors  
 Sensor Locations: Containment +99 Elevation  
 Alarm/Trip Set Points: Alarm: HI = 5.00E+03 R/HR LO = 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: Medium  
  
 Temperature Compensation  
 For DP Transmitter: N/A  
 Level Reference Leg: N/A  
  
 Unique System Desc.:

Containment High Range Area Radiation Monitors 5400B

INPUTS:

C48235 ARM+99 RCB CTMT ATM HI RNG B ACTY

Prepared by: *TCP [Signature]* 3/19/01 Verified by: *Wm M. Marshall* 3/19/01  
 (Printed initials/signature/date)

Data Base Item Number: 514

03/19/01

Page 50

# DATA POINT LIBRARY REFERENCE FILE

Date: 3/5/01  
 Reactor Unit: WF3  
 Data Feeder: N/A  
  
 NRC ERDS Parameter: RCS LTDN RAD  
 Point ID: N/A  
 Plant Spec Point Desc.: N/A  
 Generic/Cont Desc.: Rad Level of RCS Letdown Line  
  
 Analog/Digital: N/A  
 Engr Units/Dig States: N/A  
 Engr Units Conversion: N/A  
  
 Minimum Instr Range: N/A  
 Maximum Instr Range: N/A  
  
 Zero Point Reference: N/A  
 Reference Point Notes: N/A  
  
 PROC or SENS: N/A  
 Number of Sensors: N/A  
 How Processed: N/A  
 Sensor Locations: N/A  
 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  
 Temperature Compensation  
  
 For DP Transmitter: N/A  
 Level Reference Leg: N/A  
  
 Unique System Desc.: N/A

## INPUTS:

None

## NOTE:

The Process Radiation Monitor that monitored this parameter was removed from service by Design Change 3432.

Prepared by: Chai Traume / Christy P. Traume 3/5/01  
 Verified by: R.B. Gilmore 3/5/01  
 (Printed initials/signature/date)

Data Base Item Number: 515

03/05/01

Page 51