

Maine Yankee

RELIABLE ELECTRICITY SINCE 1972

EDISON DRIVE • AUGUSTA, MAINE 04330 • (207) 622-4868

December 7, 1992
MN-92-125 JRH-92-176

UNITED STATES NUCLEAR REGULATORY COMMISSION
Attention: Document Control Desk
Washington, DC 20555

References: (a) License No. DPR-36 (Docket No. 50-309)
 (b) MYAPCo Letter to USNRC re: ERDS - Data Point Library (DPL) dated
 25 September 1992 (MN-92-94)

Subject: ERDS - DPL

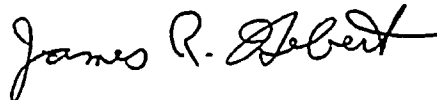
Gentlemen:

Please find enclosed two (2) complete copies of the final Data Point Library (DPL) for the Maine Yankee ERDS. The enclosed DPL includes the following additional information from that transmitted via Reference (b):

- The editorial changes that were faxed to Mr. John Jolicoeur on 29 October 1992.
- In response to a telephone request from Mr. Jolicoeur to Mr. Eric Johnson in early November, 1992, conversion units have been included for four parameters (Rx vessel water level, Steam Generators 1, 2 and 3 levels) and additional descriptive information has been provided for three other ERDS parameters (HPSI flow, LPSI flow, BWST level). This information is identified by underscoring in the enclosed DPL.
- Vacant data fields for all parameters have been filled with "N/A" which means not applicable.

We trust that this information is satisfactory to permit the conduct of the two remaining ERDS tests - a functional test with NRC's contractor and a final test with NRC Operations Center. Please contact Mr. Eric Johnson, Computer Engineer, at (207) 882-5630 to schedule these tests, or Mr. Stephen D. Evans, Section Head, Emergency Preparedness/Environmental Engineering at the letterhead address regarding programmatic issues.

Very truly yours,



James R. Hebert, Acting Manager
Licensing & Engineering Support Department

SDE/jag

Enclosures (2)

c: (w/o enc.) Mr. Thomas T. Martin
 Mr. Charles S. Marschall
 Mr. E. H. Trottier
 Mr. Patrick J. Dostie
 Mr. Eric Johnson
 Mr. John Jolicoeur (w/enc.)

-> -> C
NAME -> NI-POWER-RNG

Records Organize Go To Exit
DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

ERDS Feeder: 1 ERDS Parameter: NI-POWER-RNG Point Id: 856
Site Desc: RX %PWR NI-1A CHNL WRLOG NIY-001
ERDS Desc: NUCLEAR INSTRUMENTS, POWER RANGE Analog/Digital: A
Engr. Units: %PWR Units Conv: LOGARITHMIC
Min. Inst. Range: 10E-7 Max. Inst. Range: 100
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In shield tank surrounding Rx vessel
Alarm/Trip Set Points: n/a
NI Detector Power Supply Cut-Off Power Level: 1000 CPS
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: At 1000 CPS detector goes from 3 fission chambers to 1
fission chamber and from CPS to %PWR. This parameter
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Records is not valid in CPS range.

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ERDS → 3
NAME → NI-INTER-RNG

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

0 Data Feeder: 1 ERDS Parameter: NI-INTER-RNG Point Id: 873
Site Desc: RX %PWR NI-4D CHNL WRLOG NIY-004
ERDS Desc: NUCLEAR INST, INTERMEDIATE RANGE Analog/Digital: A
Engr. Units: %PWR Units Conv: LOGARITHMIC
Min. Inst. Range: 10E-7 Max. Inst. Range: 100
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In shield tank surrounding Rx vessel
Alarm/Trip Set Points: n/a
NI Detector Power Supply Cut-Off Power Level: 1000 CPS
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: At 1000 CPS detector goes from 3 fission chambers to 1
fission chamber and from CPS to %PWR. This parameter is
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Records not valid in CPS range.

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Records

ERDS → 4
NAME → NI-SOURCE-RNG

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
 Site Desc: RX CPS NI-1A CHNL WRLOG
 ERDS Desc: NUCLEAR INST., SOURCE RANGE
 Engr. Units: C.P.S.
 Min. Inst. Range: 1
 Zero Point Ref: n/a
 Proc or Sens: S
 How Processed: n/a
 Sensor Loc: In shield tank surrounding Rx vessel
 Alarm/Trip Set Points: n/a
 NI Detector Power Supply Cut-Off Power Level: 1000 CPS
 NI Detector Power Supply Turn-On Power Level: n/a
 Instrument Failure Mode: LOW
 Temperature Compensation for DP Transmitters: n
 Level Reference Leg: n/a
 System Desc: At 1000 CPS detector goes from 3 fission chambers to 1
 fission chamber and from CPS to %PWR. This parameter is

ERDS Parameter: NI-SOURC-RNG Point Id: 874
 NIY-001-A
 Units Conv: LOGARITHMIC
 Max. Inst. Range: 1000
 Ref. Notes: n/a
 Number of Sensors: 1

Analog/Digital: A
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Records not valid in %PWR range.

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Records

ERDS → 5

NAME → REAC-VES-LV1

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1 ERDS Parameter: REAC-VES-LEV Point Id: 870
 Site Desc: PITS CH A
 ERDS Desc: REACTOR VESSEL WATER LEVEL Analog/Digital: A
 Engr. Units: %LEVEL Units Conv: $1\% = 4.95"$
 Min. Inst. Range: 0 Max. Inst. Range: 100
 Zero Point Ref: TNKBOT Ref. Notes: n/a
 Proc or Sens: S Number of Sensors: 1
 How Processed: n/a
 Sensor Loc: REACTOR CONTAINMENT -2'
 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
 Instrument Failure Mode: n/a
 Temperature Compensation for DP Transmitters: n
 Level Reference Leg: WET
 System Desc: 0% is at containment elevation -13.79'
Top of active fuel is at 21.45'

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Records

Bottom of active fuel is at 10.0'.

Density compensated level ranging from bottom of Rx vessel
to top of pressurizer

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□Rec 4/50

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ERDS → 100
NAME → TMP-CORE-EX1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1 ERDS Parameter: TEMP-CORE-EX Point Id: 1744
Site Desc: MAX INCORE T/C TEMP
ERDS Desc: HIGHEST TEMPERATURE AT CORE EXIT Analog/Digital: A
Engr. Units: DEG F Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 2300
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 45
How Processed: Maximum value of all good sensors
Sensor Loc: On top of fuel bundles
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
Instrument Failure Mode: Next highest T/C indication
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Rec 5/50

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Records

ERDS → 102
NAME → SUB-MARGIN

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1 ERDS Parameter: SUB-MARGIN Point Id: 824
Site Desc: CORE MARG TO SAT SMY-100-A
ERDS Desc: SATURATION TEMP - HIGHEST CET Analog/Digital: A
Engr. Units: DEGF Units Conv: n/a
Min. Inst. Range: -50 Max. Inst. Range: 200 .
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 16
How Processed: n/a
Sensor Loc: MULTIPLE SENSORS
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
Instrument Failure Mode: n/a
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Uses inputs from 16 core exit thermocouples which are
selected on the control board. Parameter is calculated
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Records

by an analog computer. Results feed to plant computer as
a single analog signal.

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ERDS → 104
NAME → CORE-FLOW L

Records

DATA POINT LIBRARY REFERENCE FILE

Le: 12/03/92

Reactor Unit: MY1

Data Feeder: 1 ERDS Parameter: CORE-FLOW Point Id: 2520
Site Desc: TOTAL RCS FLOW FOR LOOPS 1-3
ERDS Desc: TOTAL REACTOR COOLANT FLOW Analog/Digital: A
Engr. Units: KGPM Units Conv: n/a
Min. Inst. Range: n/a Max. Inst. Range: n/a
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 3
How Processed: CALCULATED FROM STEAM OR FEED FLOWS
Sensor Loc: n/a
Alarm/Trip Set Points: 93% of max flow, low from RPS
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
Level Reference Leg: n/a
System Desc: PTIDs used as flow inputs depend on calorimetric power
PWR < 50% not calculated (indicates 999)
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50% <= PWR < 90%
PWR >= 90%

Feed Flow
Steam Flow

Flow is calculated using RCS temperature, density, and enthalpy.

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Rec 7/50

File

REV → 108
NAME → SG-LEVEL 1A

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Fla Feeder: 1 ERDS Parameter: SG-LEVEL-1/A Point Id: 878
Site Desc: SG1 LEVEL LT-1213C
ERDS Desc: STEAM GENERATOR 1/A WATER LEVEL Analog/Digital: A
Engr. Units: PERCNT Units Conv: 1% = 1.9" level
Min. Inst. Range: 0 Max. Inst. Range: 100
Zero Point Ref: COMPLX Ref. Notes: zero point is 285" above tube sheet
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: CONTAINMENT -2'
Alarm/Trip Set Points: 35%, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: WET
System Desc: Computer low alarm at 58%
33% indicated (346") at top of S/G U-tubes.
Edit C:\erds\MY1_DPL Rec 8/50 File □

Records

100% indicated is 475" above tube sheet.

Edit

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□Rec 8/50

□File □

□



ENR 7107
NAME → SG-LEVEL 2B

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
Site Desc: SG2 LEVEL
ERDS Desc: STEAM GENERATOR 2/B WATER LEVEL
Engr. Units: PERCNT
Min. Inst. Range: 0
Zero Point Ref: COMPLX
Proc or Sens: S
How Processed: n/a
Sensor Loc: CONTAINMENT -2'
Alarm/Trip Set Points: 35%, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: WET
System Desc: Computer low alarm at 58%
33% indicated (346") at top of S/G U-tubes
Edit C:\erds\MY1_DPL Rec 9/50 File □

ERDS Parameter: SG LEVEL 2/B Point Id: 879
LT-1223C

Analog/Digital: A

Units Conv: 1% = 1.9" level

Max. Inst. Range: 100

Ref. Notes: zero point is 285" above tube sheet

Number of Sensors: 1



Records

100% indicated is 475" above tube sheet.

Edit

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□Rec 9/50

□File □

□

Records

EXV. → 110

NAME → SG-LEVEL 3C

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
 Site Desc: SG3 LEVEL
 ERDS Desc: STEAM GENERATOR 3/C WATER LEVEL
 Engr. Units: PERCENT
 Min. Inst. Range: 0
 Zero Point Ref: COMPLX
 Proc or Sens: S
 How Processed: n/a
 Sensor Loc: CONTAINMENT -2'
 Alarm/Trip Set Points: 35%, low at RPS
 NI Detector Power Supply Cut-Off Power Level: n/a
 NI Detector Power Supply Turn-On Power Level: n/a
 Instrument Failure Mode: LOW
 Temperature Compensation for DP Transmitters: N
 Level Reference Leg: WET
 System Desc: Computer low alarm at 58%
 33% indicated (346") at top of S/G U-tubes
 Edit C:\erds\MY1_DPL Rec 10/50 File

ERDS Parameter: SG LEVEL 3/C Point Id: 880
LT-1233C

Analog/Digital: A

Units Conv: 1% = 1.9" level

Max. Inst. Range: 100

Ref. Notes: zero point is 285" above tube sheet

Number of Sensors: 1



Records

100% indicated is 475" above tube sheet

Edit

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EKVS-7112
NAME -> SG-PRESS-1A

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1
Site Desc: SG1 WR PRESS
ERDS Desc: STEAM GENERATOR 1/A PRESSURE
Engr. Units: PSIG
Min. Inst. Range: 0
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: On main stm prior to 1st isolation valve
Alarm/Trip Set Points: 485, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

ERDS Parameter: SG PRESS 1/A Point Id: 228
PT-1012

Analog/Digital: A

Units Conv: n/a

Max. Inst. Range: 1200

Ref. Notes: n/a

Number of Sensors: 1

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Rec 11/50

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Records

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EXUS → 113

NAME → SG-PRESS-2B

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1
Site Desc: SG2 WR PRESS
ERDS Desc: STEAM GENERATOR 2/B PRESSURE
Engr. Units: PSIG
Min. Inst. Range: 0
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: On main stm prior to 1st isolation valve
Alarm/Trip Set Points: 485, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

ERDS Parameter: SG PRESS 2/B Point Id: 229
PT-1022

Analog/Digital: A

Units Conv: n/a

Max. Inst. Range: 1200

Ref. Notes: n/a

Number of Sensors: 1

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Rec 12/50

File RecLock



Records

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Rec 12/50

File RecLock

ENCL - 7/114
NAME -> SG-PRESS-3C

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: SG PRESS 3/C Point Id: 230
Site Desc: SG3 WR PRESS PT-1032
ERDS Desc: STEAM GENERATOR 3/C PRESSURE Analog/Digital: A
Engr. Units: PSIG Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 1200
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: On main stm prior to 1st isolation valve
Alarm/Trip Set Points: 485, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Rec 13/50

File RecLock

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Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: MN FD FL 1/A Point Id: 1611
Site Desc: SG1 FW FLO RATE
ERDS Desc: STM GEN 1/A MAIN FEED FLOW Analog/Digital: A
Engr. Units: M#/HR Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 4.25
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 5
How Processed: Value is averaged over 2 minutes.
Sensor Loc: Flow dp is across venturi in S/G feed
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: Loop 1 feedwater flow is calculated from a raw DP sensor and
corrected using FW header pressure and average loop FW temp.
Edit C:\erds\MY1_DPL Rec 14/50 File



Records

If plant is on emergency or Aux FW, then first point heaters are bypassed and this PTID will not read correctly.

Edit

C:\erds\MY1_DPL

Rec 14/50

File

ERDS → 117
NAME → MN-FD-FL-26

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: MN FD FL 2/B Point Id: 1612
Site Desc: SG2 FW FLOW RATE
ERDS Desc: STM GEN 2/B MAIN FEED FLOW Analog/Digital: A
Engr. Units: M#/HR Units Conv: n/a
Min. Inst. Range: n/a Max. Inst. Range: n/a
Zero Point Ref: 0 Ref. Notes: 4.25
Proc or Sens: P Number of Sensors: 5
How Processed: Value is averaged over 2 minutes
Sensor Loc: Flow dp is across venturi in S/G feed
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: Loop 2 feedwater flow is calculated from a raw DP sensor and
corrected using FW header pressure and loop average FW temp.
Edit MC:\erds\MY1_DPL Rec 15/50 File

Records

If plant is on emergency or Aux FW, then first point heaters are bypassed and this PTID will not read correctly.

Edit □C:\erds\MY1_DPL □Rec 15/50 □File □ □

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: MN FD FL 3/C Point Id: 1613
Site Desc: SG3 FW FLOW RATE
ERDS Desc: STM GEN 3/C MAIN FEED FLOW Analog/Digital: A
Engr. Units: M#/HR Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 4.25
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 4
How Processed: Value is averaged over 2 minutes.
Sensor Loc: Flow dp is across venturi in S/G line
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: Loop 3 feedwater flow is calculated from a raw DP sensor and
corrected using FW header pressure and loop average FW temp.
Edit C:\erds\MY1_DPL Rec 16/50 File



Records

If plant is on emergency or Aux FW, then first point heaters are bypassed and this PTID will not read correctly.

Edit □C:\erds\MY1_DPL □Rec 16/50 □File □ □

Records

ERDS → 1100
NAME → AX-FD-FL-1A

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: AX FD FL 1/A Point Id: 883
Site Desc: LP1 EMER FD FL FY-1201A
ERDS Desc: STM GEN 1/A AUXILIARY FW FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 1000
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In emergency feed line to S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Uses an ultrasonic flow detector.

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Records



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ERDS → 121
NAME → AX-FD-FL-2B

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/12

Reactor Unit: MY1

1) Feeder: 1 ERDS Parameter: AX FD FL 2/B Point Id: 882
Site Desc: LP2 EMER FD FL FY-1201B
ERDS Desc: STM GEN 2/B AUXILIARY FW FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 1000
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In emergency feed line to S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Uses an ultrasonic detector.

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Records

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Records

ERDS → 122
NAME → AX-FD-FL-3L

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: AX FD FL 3/C Point Id: 881
Site Desc: LP3 EMER FD FL FY-1201C
ERDS Desc: STM GEN 3/C AUXILIARY FW FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 1000
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In emergency feed line to S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Uses ultrasonic detector.

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Records



Edit

C:\erds\MY1_DPL

Rec 19/50

File RecLock



EKVS → 124
NAME → HL-TEMP-1A

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
Site Desc: LP1 HOT LEG TMP NR
ERDS Desc: STM GEN 1/A INLET TEMPERATURE
Engr. Units: DEGF
Min. Inst. Range: 515
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: Between loop stop valve and S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

ERDS Parameter: HL TEMP 1/A Point Id: 863
TY-112-HC
Analog/Digital: A
Units Conv: n/a
Max. Inst. Range: 665
Ref. Notes: n/a
Number of Sensors: 1

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Records

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□Rec 20/50

□File □

□

CRDS → 125
NAME → HL-TEMP-2B

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Site Feeder: 1
Site Desc: LP2 HOT LEG TMP NR
ERDS Desc: STM GEN 2/B INLET TEMPERATURE
Engr. Units: DEGF
Min. Inst. Range: 515
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: Between loop stop valve and S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

ERDS Parameter: HL TEMP 2/B Point Id: 861
TY-122-HC

Analog/Digital: A

Units Conv: n/a

Max. Inst. Range: 665

Ref. Notes: n/a

Number of Sensors: 1

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ERDS → 126
NAME → HL-TEMP-3C

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
Site Desc: LP3 HOT LEG TMP NR
ERDS Desc: STM GEN 3/C INLET TEMPERATURE
Engr. Units: DEGF
Min. Inst. Range: 515
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: Between loop stop valve and S/G
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

ERDS Parameter: HL TEMP 3/C Point Id: 859
TY-132-HC

Analog/Digital: A

Units Conv: n/a

Max. Inst. Range: 665

Ref. Notes: n/a

Number of Sensors: 1

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Records



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ERDS → 128
NAME → CL-TEMP-1A

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1 ERDS Parameter: CL TEMP 1/A Point Id: 430
Site Desc: LP1 CLD LEG TMP WR TT-115Y
ERDS Desc: STM GEN 1/A OUTLET TEMPERATURE Analog/Digital: A
Engr. Units: DEGF Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 600
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Between S/G outlet and RCP suction
Alarm/Trip Set Points: 500, low from computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records

NAME → CL-TEMP-2B

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Data Feeder: 1
 Site Desc: LP2 CLD LEG TMP WR
 ERDS Desc: STM GEN 2/B OUTLET TEMPERATURE
 Engr. Units: DEGF
 Min. Inst. Range: 0
 Zero Point Ref: n/a
 Proc or Sens: S
 How Processed: n/a
 Sensor Loc: Between S/G outlet and RCP suction
 Alarm/Trip Set Points: 500, low from computer
 NI Detector Power Supply Cut-Off Power Level: n/a
 NI Detector Power Supply Turn-On Power Level: n/a
 Instrument Failure Mode: LOW
 Temperature Compensation for DP Transmitters: n
 Level Reference Leg: n/a
 System Desc: n/a

ERDS Parameter: CL TEMP 2/B Point Id: 431
 TT-125Y
 Analog/Digital: A
 Units Conv: n/a
 Max. Inst. Range: 600
 Ref. Notes: n/a
 Number of Sensors: 1

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Records



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Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

La Feeder: 1 ERDS Parameter: CL TEMP 3/C Point Id: 432
Site Desc: LP3 CLD LEG TMP WR TT-135Y
ERDS Desc: STM GEN 3/C OUTLET TEMPERATURE Analog/Digital: A
Engr. Units: DEGF Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 600
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Between S/G outlet and RCP suction
Alarm/Trip Set Points: 500, low from computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records

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Records

NAME → RCS - PRESSURE

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Ca Feeder: 1
ERDS Desc: RCS PRESS
ERDS Desc: REACTOR COOLANT SYSTEM PRESSURE
Engr. Units: PSIG
Min. Inst. Range: 0
Zero Point Ref: n/a
Proc or Sens: S
How Processed: n/a
Sensor Loc: 21' CONTAINMENT
Alarm/Trip Set Points: 1860, low from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: RPS Alarm/Trip setpoint is variable, value given is lowest

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ERDS → 132
NAME → PRZR-LEVEL

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: PRZR LEVEL Point Id: 360
Site Desc: PRZ LVL CH Y IND LT-101Y
ERDS Desc: PRIMARY SYSTEM PRESSURIZER LEVEL Analog/Digital: A
Engr. Units: % LVL Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 100
Zero Point Ref: TOPHTR Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: REACTOR CONTAINMENT 20'
Alarm/Trip Set Points: 8.99, low from computer
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
Level Reference Leg: WET
System Desc: 110 GAL/1% indicated
Top of heater bundle is at 0% indication.
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Records



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ERDS → 133
NAME → RCS-CHG-MU

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: RCS CHG/MU Point Id: 366
Sce Desc: CHG PMP FLWRATE FT-212
ERDS Desc: PRIMARY CHARGING OR MAKEUP FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 200
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: prior to flow control valve after pump
Alarm/Trip Set Points: 40.03, low from computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: n/a

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Records

ERDS → 134
NAME → HPSI-FLOW 1

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: HP SI FLOW Point Id: 2312
Site Desc: TOTAL HPSI FLOW
ERDS Desc: HIGH PRESSURE SAFETY INJECT FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 900
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 3
How Processed: Sum of individual loop flows
Sensor Loc: Between HPSI flow control valve and loop
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: Lower 10% of input instrument range is not considered
reliable. SPDS considers single loop flow < 30 GPM
Edit C:\erds\MY1_DPL Rec 29/50 File

Records

"BELOW READABLE FLOW"

Edit

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□File □

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Records

ELV5 → 7140

NAME → LPSI - FLOW 1

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: LP SI FLOW Point Id: 2311
Site Desc: TOTAL LPSI FLOW
ERDS Desc: LOW PRESSURE SAFETY INJECT FLOW Analog/Digital: A
Engr. Units: GPM Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 9000
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: P Number of Sensors: 3
How Processed: Sum of individual loop flows
Sensor Loc: Between flow control valve and loop
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: N
Level Reference Leg: n/a
System Desc: Lower 10% of input instrument range is not considered to
be reliable. SPDS considers single loop flow < 300 GPM
Edit C:\erds\MY1_DPL Rec 30/50 File n

Records

"BELOW READABLE FLOW"

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□Rec 30/50

□File □

□



Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

a Feeder: 1 ERDS Parameter: CTMNT SMP NR Point Id: 844
 Site Desc: CTMT SUMP LVL LY-307-K
 ERDS Desc: CONTAINMENT SUMP NR LEVEL Analog/Digital: A
 Engr. Units: FT Units Conv: n/a
 Min. Inst. Range: 0.5 Max. Inst. Range: 8.0
 Zero Point Ref: TNKBOT Ref. Notes: n/a
 Proc or Sens: S Number of Sensors: 1
 How Processed: n/a
 Sensor Loc: Rx containment -2'
 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
 Instrument Failure Mode: LOW
 Temperature Compensation for DP Transmitters: n
 Level Reference Leg: N/A
 System Desc: 110 usable gallons at 1.9 FT indicated.
 55 usable gallons at 0.95 FT indicated.
 Edit C:\erds\MY1_DPL Rec 31/50 File RecLock

Duple of CTMT
 SUMP WR.



Records

This PTID is one of two full range sump levels

Edit

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□File □RecLock □

Records

ERDS → 146

NAME → CTMNT-SP-WR 1

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

U
C
Data Feeder: 1 ERDS Parameter: CTMNT SMP WR Point Id: 844
Site Desc: CTMT SUMP LVL LY-307-K
ERDS Desc: CONTAINMENT SUMP WR LEVEL Analog/Digital: A
Engr. Units: FT Units Conv: n/a
Min. Inst. Range: 0.5 Max. Inst. Range: 8.0
Zero Point Ref: TNKBOT Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Rx containment -2'
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: N/A
System Desc: 110 usable gallons at 1.9 FT indicated.
55 usable gallons at .95 FT indicated.
Edit C:\erds\MY1_DPL Rec 32/50 File RecLock

Records

This PTID is one of two full range sump levels

D

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Rec 32/50

File RecLock

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

ERDS Feeder: 1 ERDS Parameter: EFF GAS RAD Point Id: 815
ERDS Desc: STACK GAS RI-3903
ERDS Desc: RADIOACTIVITY OF RELEASED GASSES Analog/Digital: A
Engr. Units: MR/HR Units Conv: n/a
Min. Inst. Range: 10E-1 Max. Inst. Range: 10E7
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: See system description
Alarm/Trip Set Points: 8, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Computer high alarm at 1 mr/hr
The METPAC program used in the EOF area performs dose
Edit C:\erds\MY1_DPL Rec 33/50 File RecLock

Records

analyses. The METPAC operator can supply proper conversion coefficients to microcurie/cc for a given time and accident scenario, or output from the METPAC program.

Located between isokinetic nozzle (inside primary vent stack) and sample pump suction. A particulate filter is used prior to gas detector.

Edit □C:\érds\MY1_DPL □Rec 33/50 □File □RecLock □

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: EFF LIQ RAD Point Id: 791
SCE Desc: LIQUID WASTE DISPOSAL RI-3801
ERDS Desc: RADIOACTIVITY OF RELEASED LIQUID Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E5
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: After pump discharge and prior to valve
Alarm/Trip Set Points: 30000, high from RMS and computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: The METPAC program used in the EOF area performs dose
analyses. The METPAC operator can supply proper conversion
Edit C:\erds\MY1_DPL Rec 34/50 File RecLock

Records

coefficients to microcurie/cc for a given time and accident scenario, or output from the METPAC program.

Edit

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ERDS → 21
NAME → COND-AE-RAD 1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: COND A/E RAD Point Id: 799
Site Desc: CONDENSOR AIR EJECTOR RI-1801
ERDS Desc: CONDENSOR AIR EJECTOR RADIOACT. Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E6
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In main condensor air ejector gas flow
Alarm/Trip Set Points: 70000, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Computer high alarm at 6000

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Records

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Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: CNTMNT RAD Point Id: 845
Site Desc: CTMT HI RNG RAD RM-6113A
ERDS Desc: RADIATION LEVEL IN CONTAINMENT Analog/Digital: A
Engr. Units: R/HR Units Conv: n/a
Min. Inst. Range: 1 Max. Inst. Range: 10E8
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: REACTOR CONTAINMENT 75'
Alarm/Trip Set Points: 10, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records



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Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: RCS LTDN RAD Point Id: 804
Site Desc: REAC LETDOWN HI RI-3102
ERDS Desc: RAD LEVEL OF RCS LETDOWN LINE Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E6
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: In letdown flow
Alarm/Trip Set Points: 4000, high from RMS and computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: This flow bypasses the demineralizer train. Prior to the
detector there is a time delay coil to reduce nitrogen (16)
Edit C:\erds\MY1_DPL Rec 37/50 File RecLock

Records gamma. There is no flow past detector after SIAS has fired.

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ERDS → ISS
NAME → MAIN-SL-1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: MAIN SL 1/A Point Id: 521
Site Desc: MN STM1 RAD MON RM-901A
ERDS Desc: STM GEN 1/A STEAM LINE RAD LEVEL Analog/Digital: A
Engr. Units: MR/HR Units Conv: n/a
Min. Inst. Range: 10E-1 Max. Inst. Range: 10E7
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Between S/G and first isolation valve
Alarm/Trip Set Points: 10, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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2K125-1156

NAME → MAIN-SL-2B

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: MAIN SL 2/B Point Id: 522
Site Desc: MN STM2 RAD MON RM-901B
ERDS Desc: STM GEN 2/B STEAM LINE RAD LEVEL Analog/Digital: A
Engr. Units: MR/HR Units Conv: n/a
Min. Inst. Range: 10E-1 Max. Inst. Range: 10E7
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Between S/G and first isolation valve
Alarm/Trip Set Points: 10, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records



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File



NAME → MAIN-SL-3C

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Ma Feeder: 1 ERDS Parameter: MAIN SL 3/C Point Id: 523
Site Desc: MN STM3 RAD MON RM-901C
ERDS Desc: STM GEN 3/C STEAM LINE RAD LEVEL Analog/Digital: A
Engr. Units: MR/HR Units Conv: n/a
Min. Inst. Range: 10E-1 Max. Inst. Range: 10E7
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Between S/G and first isolation valve
Alarm/Trip Set Points: 10, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records



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□File □RecLock □





Records

NAME → SG-BD-RAD-1A

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Ca Feeder: 1 ERDS Parameter: SG BD RAD 1A Point Id: 796
Site Desc: STEAM GENERATOR BLOWDOWN RI-2601
ERDS Desc: STM GEN 1/A BLOWDOWN RAD LEVEL Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E6
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: PAB 44'6"
Alarm/Trip Set Points: 5000, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Computer high alarm at 10000
Detector flow taps off the main flow for S/G #1. It is
Edit C:\erds\MY1_DPL Rec 41/50 File RecLock

Records

isolated by trip valves fired by SIAS or containment
isolation.

Edit

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Records

EN-2 → 160

NAME → SG-BD-RAD-2B

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: SG BD RAD 2B Point Id: 795
Site Desc: STEAM GENERATOR BLOWDOWN RI-2602
ERDS Desc: STM GEN 2/B BLOWDOWN RAD LEVEL Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E6
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: PAB 44'6"
Alarm/Trip Set Points: 5000, high from RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Computer high alarm at 10000
Detector flow taps off the main flow for S/G. It is
Edit C:\erds\MY1_DPL Rec 42/50 File RecLock

Records

isolated by trip valves fired by SIAS or containment
isolation.

Edit

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□Rec 42/50

□File □RecLock □

Records

NAME → SG-BD-RAD-3C

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: SG BD RAD 3C Point Id: 794
Site Desc: STEAM GENERATOR BLOWDOWN RI-2603
ERDS Desc: STM GEN 3/C BLOWDOWN RAD LEVEL Analog/Digital: A
Engr. Units: CPM Units Conv: n/a
Min. Inst. Range: 10 Max. Inst. Range: 10E6
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: PAB 44'6"
Alarm/Trip Set Points: 5000, high at RMS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Computer high alarm at 10000
Detector flow taps of the main flow for S/G. It is
Edit C:\erds\MY1_DPL Rec 43/50 File RecLock

Records

isolated by trip valves fired by SIAS or containment
isolation.

Edit

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□File □RecLock □

ERDS → 163

NAME → CTMNT-PRESS

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: CTMNT PRESS Point Id: 835
Site Desc: CTMT PRESS PT-2012
ERDS Desc: CONTAINMENT PRESSURE Analog/Digital: A
Engr. Units: PSIA Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 200
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: PAB 21'
Alarm/Trip Set Points: 5, high from RPS
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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NAME -> CTMNT-TEMP

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 08/31/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: CTMNT TEMP Point Id: 312
Site Desc: CTMT RTD CR-1 POLAR CRN OVER RX EL 106
ERDS Desc: CONTAINMENT TEMPERATURE Analog/Digital: A
Engr. Units: DEGF Units Conv: n/a
Min. Inst. Range: 50 Max. Inst. Range: 150
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: Over polar crane above reactor at 106'
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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ERDS - 1001-X
NAME → H₂-CONC 1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: H2 CONC Point Id: 846
De Desc: CTMT HYDROGEN AY-1001-X
ERDS Desc: CONTAINMENT HYDROGEN CONCENTR. Analog/Digital: A
Engr. Units: % Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 10
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: PAB 21'
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: Samples containment atmosphere near top of containment.
Sampler must be manually aligned and started.
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Records



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CKDS → 165
NAME → BWST-LEVEL 1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: BWST LEVEL Point Id: 855
Desc: RWST LVL LT-303AK
ERDS Desc: BORATED WATER STORAGE TANK LEVEL Analog/Digital: A
Engr. Units: GALS Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 360000
Zero Point Ref: COMPLX Ref. Notes: 12" above RWST base
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: in Service Yard by RWST
Alarm/Trip Set Points: 115000, low from computer
NI Detector Power Supply Cut-Off Power Level: n/a
NI Detector Power Supply Turn-On Power Level: n/a
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: N/A
System Desc: 783.36 gal/in = 347,812 gallon capacity with 9,400 gal
unmonitored below instrument taps.
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10



ERDS - 26
NAME → WIND - SPEED 1

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Feeder: 1 ERDS Parameter: WIND SPEED Point Id: 474
Desc: WND SPEED LWR
ERDS Desc: WIND SPEED AT THE REACTOR SITE Analog/Digital: A
Engr. Units: MPH Units Conv: n/a
Min. Inst. Range: 0 Max. Inst. Range: 50
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: On site at 32 ft from ground level
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
Instrument Failure Mode: LOW
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: n/a

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Records

ERDS → 69
NAME → WIND - DIR 1

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

ID a Feeder: 1 ERDS Parameter: WIND DIR Point Id: 472
 Site Desc: WND DIR LWR
 ERDS Desc: WIND DIRECTION AT REACTOR SITE Analog/Digital: A
 Engr. Units: DEG R Units Conv: n/a
 Min. Inst. Range: 0 Max. Inst. Range: 540
 Zero Point Ref: n/a Ref. Notes: n/a
 Proc or Sens: S Number of Sensors: 1
 How Processed: n/a
 Sensor Loc: On site at 32 feet from ground level
 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
 Instrument Failure Mode: AS IS OR NORTH ON LOSS OF POWER
 Temperature Compensation for DP Transmitters: n
 Level Reference Leg: n/a
 System Desc: Parameter indicates direction wind is blowing from.
 During cold weather, the indicator can freeze in position.
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Records

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ERDS → 32
NAME → STAB-CLASS

Records

DATA POINT LIBRARY REFERENCE FILE

Date: 12/03/92

Reactor Unit: MY1

Da Feeder: 1 ERDS Parameter: STAB CLASS Point Id: 476
Site Desc: DELTA TEMP 194-32 FT
ERDS Desc: AIR STABILITY AT REACTOR SITE Analog/Digital: A
Engr. Units: DEGF Units Conv: n/a
Min. Inst. Range: -8 Max. Inst. Range: 20
Zero Point Ref: n/a Ref. Notes: n/a
Proc or Sens: S Number of Sensors: 1
How Processed: n/a
Sensor Loc: MET TOWER 195' AND 33'
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
Instrument Failure Mode: 0 FOR FULL FAILURE, HI/LO FOR 1 SENSOR
Temperature Compensation for DP Transmitters: n
Level Reference Leg: n/a
System Desc: DELTA TEMP = TEMP AT 195' - TEMP AT 33'

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TABLE 5-5

ERDS-GENERIC PARAMETER NAMES (PWRs)

<u>Parameter Name</u>	<u>Parameter Description</u>
1 RCS-PRESSURE 827	(PSIG) Reactor Coolant System Pressure RCS PRESS
2 NI-POWER-RNG 856	(%PWR) Nuclear Instruments, Power Range Rx % PWR NI-1A CHNL WRL
3 NI-INTER-RNG 873	(%PWR) Nuclear Inst, Intermediate Range Rx % PWR NI-4B CHNL WRL
4 NI-SOURCE-RNG 874	(CPS) Nuclear Inst, Source Range Rx % PWR NI-1A CHNL WRL
5 REAC-VES-LV1 870	(%) Reactor Vessel Water Level 1 PITS CH A
6 REAC-VES-LV2	Reactor Vessel Water Level 2
7 REAC-VES-LV3	Reactor Vessel Water Level 3
8 REAC-VES-LV4	Reactor Vessel Water Level 4
9 REAC-VES-LV5	Reactor Vessel Water Level 5
10 REAC-VES-LV6	Reactor Vessel Water Level 6
11 REAC-VES-LV7	Reactor Vessel Water Level 7
12 REAC-VES-LV8	Reactor Vessel Water Level 8
13 EFF-GAS-RAD1 815	(MR/hr) Radioactivity of Released Gas 1 STACK GAS
14 EFF-GAS-RAD2	Radioactivity of Released Gas 2
15 EFF-GAS-RAD3	Radioactivity of Released Gas 3
16 EFF-GAS-RAD4	Radioactivity of Released Gas 4
17 EFF-GAS-RAD5	Radioactivity of Released Gas 5
18 EFF-GAS-RAD6	Radioactivity of Released Gas 6
19 EFF-LIQ-RAD1 791	(CPM) Radioactivity of Released Liq 1 LIQUID WASTE DISPOSAL
20 EFF-LIQ-RAD2	Radioactivity of Released Liq 2
21 COND-AE-RAD1 799	(CPM) Condenser Air Ejec Rad 1 CONDENSER AIR EJECTOR
22 COND-AE-RAD2	Condenser Air Ejec Rad 2
23 COND-AD-RAD3	Condenser Air Ejec Rad 3
24 COND-AD-RAD4	Condenser Air Ejec Rad 4
25 H2-CONC1 846	(%) Hydrogen Concentration 1 CTMT HYDROGEN
26 WIND-SPEED1 474	(MPH) Wind Speed 1 at the Reactor Site WIND SPEED LWR
27 WIND-SPEED2	Wind Speed 2 at the Reactor Site
28 WIND-SPEED3	Wind Speed 3 at the Reactor Site

TABLE 5-5 (Continued)

	<u>Parameter Name</u>	<u>Parameter Description</u>
29	WIND-DIR1 472	(DEG FR) Wind Direction 1 at the Reactor WND DIR LWR
30	WIND-DIR2	Wind Direction 2 at the Reactor
31	WIND-DIR3	Wind Direction 3 at the Reactor
32	STAB-CLASS1 476	(DEF) Air Stability 1 at the Reactor DELTA TEMP 194-321
33	STAB-CLASS2	Air Stability 2 at the Reactor
35	EXTRA1	Extra Parameter 1
36	EXTRA2	Extra Parameter 2
37	EXTRA3	Extra Parameter 3
38	EXTRA4	Extra Parameter 4
39	EXTRA5	Extra Parameter 5
40	EXTRA6	Extra Parameter 6
41	EXTRA7	Extra Parameter 7
42	EXTRA8	Extra Parameter 8
43	EXTRA9	Extra Parameter 9
44	EXTRA10	Extra Parameter 10
45	EXTRA11	Extra Parameter 11
46	EXTRA12	Extra Parameter 12
47	EXTRA13	Extra Parameter 13
48	EXTRA14	Extra Parameter 14
49	EXTRA15	Extra Parameter 15
50	EXTRA16	Extra Parameter 16
51	EXTRA17	Extra Parameter 17
52	EXTRA18	Extra Parameter 18
53	EXTRA19	Extra Parameter 19
54	EXTRA20	Extra Parameter 20
55	EXTRA21	Extra Parameter 21
56	EXTRA22	Extra Parameter 22
57	EXTRA23	Extra Parameter 23
58	EXTRA24	Extra Parameter 24



TABLE 5-5 (Continued)

<u>Parameter Name</u>	<u>Parameter Description</u>
59 EXTRA25	Extra Parameter 25
60 EXTRA26	Extra Parameter 26
61 EXTRA27	Extra Parameter 27
62 EXTRA28	Extra Parameter 28
63 EXTRA29	Extra Parameter 29
64 EXTRA30	Extra Parameter 30
65 EXTRA31	Extra Parameter 31
66 EXTRA32	Extra Parameter 32
67 EXTRA33	Extra Parameter 33
68 EXTRA34	Extra Parameter 34
69 EXTRA35	Extra Parameter 35
70 GLOBAL1	Global Ad Hoc Parameter 1
71 GLOBAL2	Global Ad Hoc Parameter 2
72 GLOBAL3	Global Ad Hoc Parameter 3
73 GLOBAL4	Global Ad Hoc Parameter 4
74 GLOBAL5	Global Ad Hoc Parameter 5
75 GLOBAL6	Global Ad Hoc Parameter 6
76 GLOBAL7	Global Ad Hoc Parameter 7
77 GLOBAL8	Global Ad Hoc Parameter 8
78 GLOBAL9	Global Ad Hoc Parameter 9
79 GLOBAL10	Global Ad Hoc Parameter 10
80 GLOBAL11	Global Ad Hoc Parameter 11
81 GLOBAL12	Global Ad Hoc Parameter 12
82 GLOBAL13	Global Ad Hoc Parameter 13
83 GLOBAL14	Global Ad Hoc Parameter 14
84 GLOBAL15	Global Ad Hoc Parameter 15
85 GLOBAL16	Global Ad Hoc Parameter 16
86 GLOBAL17	Global Ad Hoc Parameter 17
87 GLOBAL18	Global Ad Hoc Parameter 18

TABLE 5-5 (Continued)

<u>Parameter Name</u>	<u>Parameter Description</u>
88 GLOBAL19	Global Ad Hoc Parameter 19
89 GLOBAL20	Global Ad Hoc Parameter 20
90 GLOBAL21	Global Ad Hoc Parameter 21
91 GLOBAL22	Global Ad Hoc Parameter 22
92 GLOBAL23	Global Ad Hoc Parameter 23
93 GLOBAL24	Global Ad Hoc Parameter 24
94 GLOBAL25	Global Ad Hoc Parameter 25
95 GLOBAL26	Global Ad Hoc Parameter 26
96 GLOBAL27	Global Ad Hoc Parameter 27
97 GLOBAL28	Global Ad Hoc Parameter 28
98 GLOBAL29	Global Ad Hoc Parameter 29
99 GLOBAL30	Global Ad Hoc Parameter 30
100 TMP-CORE-EX1 1744	(DEG F) Core Exit Temperature 1 <i>MAX IN CORE T/K TEMP</i>
101 TMP-CORE-EX2	Core Exit Temperature 2
102 SUB-MARGIN1 824	(DEG F) Saturation Temp - Highest Cet 1 <i>CORE MARG TO SAT</i>
103 SUB-MARGIN2	Saturation Temp - Highest Cet 2
104 CORE-FLOW1 2520	(KGPM) Reactor Coolant Flow 1 <i>TOTAL RCS FLOW FOR LOOPS 1-3</i>
105 CORE-FLOW2	Reactor Coolant Flow 2
106 CORE-FLOW3	Reactor Coolant Flow 3
107 CORE-FLOW4	Reactor Coolant Flow 4
108 SG-LEVEL1A 878	(%) Steam Generator 1/A Water Level <i>SG 1 LEVEL</i>
109 SG-LEVEL2B 879	(%) Steam Generator 2/B Water Level <i>SG 2 LEVEL</i>
110 SG-LEVEL3C 880	(%) Steam Generator 3/C Water Level <i>SG 3 LEVEL</i>
111 SG-LEVEL4D	Steam Generator 4/D Water Level
112 SG-PRESS-1A 228	(PSIG) Steam Generator 1/A Pressure <i>SG 1 WR PRESSURE</i>
113 SG-PRESS-2B 229	(PSIG) Steam Generator 2/B Pressure <i>SG 2 WR PRESSURE</i>
114 SG-PRESS-3C 230	(PSIG) Steam Generator 3/C Pressure <i>SG 3 WR PRESSURE</i>
115 SG-PRESS-4D	Steam Generator 4/D Pressure
116 MN-FD-FL-1A 1611	(MG/HK) Stm Gen 1/A Main Feedwater Flow <i>SG 1 FW FLO RATE</i>

TABLE 5-5 (Continued)

<u>Parameter Name</u>		<u>Parameter Description</u>
117	MN-FD-FL-2B 1612	(M [#] /hr) Stm Gen 2/B Main Feedwater Flow SG2 FW FLOW RATE
118	MN-FD-FL-3C 1613	(M [#] /hr) Stm Gen 3/C Main Feedwater Flow SG3 FW FLOW RATE
119	MN-FD-FL-4D	Stm Gen 4/D Main Feedwater Flow
120	AX-FD-FL-1A 883	(GPM) Stm Gen 1/A Aux Feedwater Flow LP1 EMER FD FL
121	AX-FD-FL-2B 882	(GPM) Stm Gen 2/B Aux Feedwater Flow LP2 EMER FD FL
122	AX-FD-FL-3C 881	(GPM) Stm Gen 3/C Aux Feedwater Flow LP3 EMER FD FL
123	AX-FD-FL-4D	Stm Gen 4/C Aux Feedwater Flow
124	HL-TEMP-1A 863	(DEG F) Stm Gen 1/A Inlet Temperature LP1 HOT LEG TMP NR
125	HL-TEMP-2B 861	(DEG F) Stm Gen 2/B Inlet Temperature LP2 HOT LEG TMP NR
126	HL-TEMP-3C 859	(DEG F) Stm Gen 3/C Inlet Temperature LP3 HOT LEG TMP NR
127	HL-TEMP-4D	Stm Gen 4/D Inlet Temperature
128	CL-TEMP-1A 430	(DEG F) Stm Gen 1/A Outlet Temperature LP1 COLD LEG TMP WR
129	CL-TEMP-2B 431	(DEG F) Stm Gen 2/B Outlet Temperature LP2 COLD LEG TMP WR
130	CL-TEMP-3C 432	(DEG F) Stm Gen 3/C Outlet Temperature LP3 COLD LEG TMP WR
131	CL-TEMP-4D	Stm Gen 4/D Outlet Temperature
132	PRZR-LEVEL 360	(G) Primary System Pressurizer Level PR2 LVL CHY IND
133	RCS-CHG-MU 366	(GPM) Primary Sys Charging/Makeup Flow CHG PMP FLWRATE
134	HPSI-FLOW1 2312	(GPM) High Pres Safety Inj Flow 1 TOTAL HPSI FLOW
135	HPSI-FLOW2	High Pres Safety Inj Flow 2
136	HPSI-FLOW3	High Pres Safety Inj Flow 3
137	HPSI-FLOW4	High Pres Safety Inj Flow 4
138	HPSI-FLOW5	High Pres Safety Inj Flow 5
139	HPSI-FLOW6	High Pres Safety Inj Flow 6
140	LPSI-FLOW1 2311	(GPM) Low Pres Safety Inj Flow 1 TOTAL LPSI FLOW
141	LPSI-FLOW2	Low Pres Safety Inj Flow 2
142	LPSI-FLOW3	Low Pres Safety Inj Flow 3
143	LPSI-FLOW4	Low Pres Safety Inj Flow 4
144	CTMNT-SP-NR1	Containment Sump Narrow Range Lv
145	CTMNT-SP-NR2	Containment Sump Narrow Range Lv

TABLE 5-5 (Continued)

<u>Parameter Name</u>	<u>Parameter Description</u>
146 CTMNT-SP-WR1 844	(FT) Containment Sump Wide Range Lv 1 CTMT SUMP WVL
147 CTMNT-SP-WR2	Containment Sump Wide Range Lv 2
148 CTMNT-SP-WR3	Containment Sump Wide Range Lv 3
149 CTMNT-SP-WR4	Containment Sump Wide Range Lv 4
150 CTMNT-SP-WR5	Containment Sump Wide Range Lv 5
151 CTMNT-RAD1 845	(R/HR) Containment Radiation Level 1 CTMT HI ENG RAD
152 CTMNT-RAD2	Containment Radiation Level 2
153 RCS-LTD-RAD1 804	(CPM) RCS Letdown Line Radiation Level REAC LETDOWN HI
154 RCS-LTD-RAD2	RCS Letdown Line Radiation Level
155 MAIN-SL-1A 521	(MR/HR) Stm Gen 1/A Steam Line Rad Level MN STM1 RAD MON
156 MAIN-SL-2B 522	(MR/HR) Stm Gen 2/B Steam Line Rad Level MN STM2 RAD MON
157 MAIN-SL-3C 523	(MR/HR) Stm Gen 3/C Steam Line Rad Level MN STM3 RAD MON
158 MAIN-SL-4D	Stm Gen 4/D Steam Line Rad Level
159 SG-BD-RAD-1A 796	(CPM) Stm Gen 1/A Blowdown Rad Level STEAM GENERATOR BLOWDOWN
160 SG-BD-RAD-2B 795	(CPM) Stm Gen 2/B Blowdown Rad Level STEAM GENERATOR BLOWDOWN
161 SG-BD-RAD-3C 794	(CPM) Stm Gen 3/C Blowdown Rad Level STEAM GENERATOR BLOWDOWN
162 SG-BD-RAD-4D	Stm Gen 4/D Blowdown Rad Level
163 CTMNT-PRESS 835	(PSIA) Containment Pressure CTMT PRESS
164 CTMNT-TEMP 312	(DEGF) Containment Temperature CTMT RTD CR-1 POLAR CRN OVER REEL
165 BWST-LEVEL1 855	(GAL) Borated Water Storage Tank Level RWST LEVEL
166 BWST-LEVEL2	Borated Water Storage Tank Level
167 INT-SI-FLOW1	Intermediate Safety Inj Flow 1
168 INT-SI-FLOW2	Intermediate Safety Inj Flow 2
169 INT-SI-FLOW3	Intermediate Safety Inj Flow 3