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Southern Nuclear Operating Company
the southern electric system

J. D. Woodard
Vice President
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February 28, 1992

Docket Nos. 50-348
50-364

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

Joseph M. Farley Nuclear Plant
Emergency Response Data System

Gentlemen:

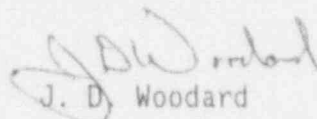
By letter dated October 25, 1991, Alabama Power Company submitted a proposed implementation plan and schedule in response to 10 CFR Part 50, Appendix E, Section VI, "Emergency Response Data System (ERDS)." In this letter a commitment was made to provide by March 1, 1992 the questionnaire identifying the Plant Attribute List, Enclosure 1, and Data Point Library, Enclosure 2, in accordance with NUREG-1394, Revision 1, "Emergency Response Data System (ERDS) Implementation."

Therefore, Southern Nuclear Operating Company provides as Enclosure 1 a completed ERDS Communications Description and Survey Questionnaire which includes the Plant Attribute Library. In addition, provided as Enclosure 2 are the Data Point Library and accompanying Reference Files for each proposed parameter.

Southern Nuclear Operating Company requests a copy of the data communication software program developed by NUS Corporation for the NRC in order to facilitate proper data transmission to the NRC's ERDS mainframe computer from Farley Nuclear Plant.

If there are any questions, please advise.

Respectfully submitted,


J. D. Woodard

JDW/BHW:map 1989
Enclosures

cc: Mr. S. D. Ebner
Mr. S. T. Hoffman
Mr. G. F. Maxwell

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ENCLOSURE 1

ERDS Communications Description and Survey Questionnaire

CONTACTS

Note: Please provide name, title, mailing address, and phone number.

- A. Survey Coordinator (i.e., contact for later clarification of questionnaire answers):

Brian H. Whitley
Project Engineer
Southern Nuclear Operating Company
Post Office Box 1295
Birmingham, Alabama 35201
(205) 868-5286

- B. Computer Hardware Specialist(s):

Same Contact

- C. Systems Software Specialist(s):

Same Contact

- D. Application-level Software Specialist(s):

Same Contact

- E. Telephone Systems Specialist(s):

Same Contact

SELECTION OF DATA FEEDERS

- A. How many data feeders are there (six maximum)?

One feeder system per unit. Plant process computer/SPDS is the data feeder which transmits data parameters to a PC workstation. The PC workstation acts as the data sender and performs communication controls with the NRC ERDS control computer.

- B. Identify the selected data feeders and provide the following for each:

- (1) a short description of the categories of data points it will provide (e.g., met., rad., or plant data points, by unit) and
- (2) the rationale for selecting it if another system can also provide its categories of data points.

(1) All ERDS parameters listed in 10 CFR 50, Appendix E, Section IV except Containment Hydrogen Concentration.

(2) N/A

- C. Which data feeder is the site time determining feeder? This should be the feeder which is providing the majority of the data points.

Plant process computer/SPDS

DATA FEEDER INFORMATION

Note: A new Section IV must be filled out for each feeder system selected.

GENERAL QUESTIONS

1. Identification of Data Feeder

- a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the words forming it.

Plant Process Computer (PPC)/Safety Parameter Display System (SPDS)

- b. Is this the site time determining feeder?

Yes

- c. How often will this feeder transmit an update set to the ERDS (in seconds)?

The PPC/SPDS transmits data to the PC workstation continuously and updates at 60 second intervals.

2. Hardware/Software Environment

- a. Identify the manufacturer and model number of the data feeder hardware.

Data feeder - ENCORE (Gould) 6780

Data sender - Compact Deskpro 486/33L

- b. Identify the operating system.

Data feeder - MPX 3.2

Data sender - SCO Unix

- c. What method of timekeeping is implemented on this feeder system (Daylight Savings, Standard, Greenwich)?

Daylight Savings

- d. In what time zone is this feeder located?

Central

3. Data Communication Details

- a. Can this data feeder provide asynchronous serial data communication (RS-232-C) with full-modem control?

Data sender will provide asynchronous serial data communication (RS-232-C) with full-modem control.

- b. Will this feeder transmit in ASCII or EBCDIC?
ASCII
- c. Can this feeder transmit at a serial baud rate of 2400 bps? If not, at what baud rate can it transmit?
2400 bps will be used.
- d. Does the operating system support XON/XOFF flow control?
Yes
1. Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?
No
- e. If it is not feasible to reconfigure a serial port for the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.
N/A
- f. Do any ports currently exist for the EPDS linkup?
Data feeder (PPC/SPDS) has a spare port available.
1. If not, is it possible to add additional ports?
N/A
2. If yes, will the port be used solely by the ERDS or shared with other non-emergency-time users? Give details.
This port will not be shared with other non-emergency-time users.

4. Data Feeder Physical Environment and Management

- a. Where is the data feeder located in terms of the TSC, EOF, and control room?
Both the data feeder and data sender will be located in the respective unit's plant computer room.
- b. Is the data feeder protected from loss of supply of electricity?
Yes, UPS is provided.
- c. Is there a human operator for this data feeder?
Yes, ERDS activation will be via a menu selection from the PPC/SPDS display.
1. If so, how many hours a day is the feeder attended?
PPC/SPDS display is continuously available in the control room and TSC.

ENCLOSURE 2

ERDS Data Point Library

| Parameter Required by ERDS Rule | FNP Parameter | Transmitter(s) |
|------------------------------------|---------------------------|--|
| RCS Pressure | WR RCS Pressure | 1 min. avg. of: PT-402A & 403A |
| RCS HL Temperature | WR RCS HL Temperature | For each loop 1 min. avg. of: TE-413 TE-423 TE-433 |
| RCS CL Temperature | WR RCS CL Temperature | For each loop 1 min. avg. of: TE-410 TE-420 TE-430 |
| Core-Exit Temperature | Core-Exit Thermocouples | 5th Hottest |
| Subcooling Margin | Core-exit Subcooling | TI-2354A TI-2355B |
| Pressurizer Level | WR Pressurizer Level | 1 min. avg. of: LT-459, 460, 461 |
| RCS Charging | Charging Flow | FT-122 |
| Reactor Vessel Level | RCITS | Upper Plenum Upper Head |
| RCS Flow | RCS Flow | For each loop 1 min. avg. of: FI-414, 415, 416 FI-424, 425, 426 FI-434, 435, 436 |
| Reactor Power | Power Range Reactor Power | 1 min. avg. of: NE-41,42,43,44 |
| NI Intermediate Range | IR Flux | NE-35 NE-36 |
| NI Source Range | SR Flux | NE-31 NE-32 |
| S/G Level | WR S/G Level | For each S/G LT-477 LT-487 LT-497 |

| Parameter Required by ERDS Rule | FNP Parameter | Transmitter(s) |
|------------------------------------|---------------------------------------|---|
| S/G Pressure | S/G Pressure | For each S/G 1 min. avg. of: PT-474, 475, 476 PT-484, 485, 486 PT-494, 495, 496 |
| Main Feedwater Flow | Main Feedwater Flow | For each S/G 1 min. avg. of: FE476B & 477B FE486B & 487B FE496B & 497B |
| Aux. Feedwater Flow | AFW Flow | For each S/G FT-3229A FT-3229B FT-3229C |
| LHSI Flow | RHR Flow | FT-605A FT-605B |
| HHSI Flow | SI Header to BIT | FT-943 |
| RWST Level | RWST Level (Channel 1) | LT-501 |
| CTMT Pressure | WR CTMT Pressure | Highest of: PT950Y & PT950Z |
| H ₂ Concentration | (Not to be provided) | --- |
| CTMT Sump Level | Post Accident (WR) CTMT Sump Level | Avg. of: LT-3594A & B |
| CTMT Temperature | 1 Dome and 4 Cooler Inlet | TE-3187E TE-3187F TE-3187G TE-3187H TE-3187I |
| RCS Activity | Gross Failed Fuel Detector | R50 |
| CTMT Radiation | CTMT Radiation | Highest of: R27A & B |
| SJAE Radiation | SJAE (Extended Range) | R15C |
| Effluent Radiation | Plant Vent Stack | R14 R21 R22 R29NG R29I R60A R60B R60C R60D |
| | SPING Noble Gas | |
| | SPING Iodine | |
| | Main Steam Relief Valve | |
| | AFW Turbine Exhaust | |

| Parameter Required by ERDS Rule | FNP Parameter | Transmitter(s) |
|------------------------------------|---------------------------------------|----------------------|
| Process Radiation | N-16 Steam Line | R70A R70B R70C |
| Effluent Radiation | Waste Disposal Liquid S/G Blowdown | R18 R23B |
| Wind Speed | 35 ft. & 150 ft. | XX-537 XX-541 |
| Wind Direction | 35 ft. & 150 ft. | XX-538 XX-530 |
| Delta Temperature | 35 ft. to 200 ft. | XX-535 XX-544 |
| (Not required) | PVS Flow | FT-2879 |

Unit 1 Data Point Library Reference File

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS Pressure |
| Point ID: | PC 1402 A |
| Plant Spec Point Desc: | RCS WR Pressure Avg 1 MA |
| Generic/Cond Desc: | Reactor Coolant System Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 3000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | RCS Loops A and C |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0402A and PT0403A, RCS Wide Range Pressure |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp A |
| Point ID: | TC 0413 A |
| Plant Spec Point Desc: | RC HL A WR Temp 1 MA |
| Generic/Cond Desc: | SG A Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS A Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range A Hot Leg, 1 Min Avg of TE-413 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp B |
| Point ID: | TC 0423 A |
| Plant Spec Point Desc: | RC HL B WR Temp 1 MA |
| Generic/Cond Desc: | SG B Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS B Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range B Hot Leg, 1 Min Avg of TE-423 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp C |
| Point ID: | TC 0433 A |
| Plant Spec Point Desc: | RC HL C WR Temp 1 MA |
| Generic/Cond Desc: | SG C Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS C Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range C Hot Leg, 1 Min Avg of TE-433 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp A |
| Point ID: | TC 0410 A |
| Plant Spec Point Desc: | RC CL A WR Temp 1 MA |
| Generic/Cond Desc: | SG A Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS A Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range A Cold Leg, 1 Min Avg of TE-410 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp B |
| Point ID: | TC 0420 A |
| Plan's Spec Point Desc: | RC CL B WR Temp 1 MA |
| Generic/Cond Desc: | SG B Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS B Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range B Cold Leg, 1 Min Avg of TE-420 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp C |
| Point ID: | TC 0430 A |
| Plant Spec Point Desc: | RC CL C WR Temp 1 MA |
| Generic/Cond Desc: | SG C Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS C Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range C Cold Leg, 1 Min Avg of TE-430 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Temp Core Ex |
| Point ID: | TC 1200 |
| Plant Spec Point Desc: | Fifth Hottest Core Exit TC |
| Generic/Cond Desc: | Highest Temp at the Core Exit |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 6 |
| Maximum Instr Range: | 2306 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 38 |
| How Processed: | Max |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Lng: | N/A |
| Unique System Desc: | Fifth hottest core exit TC was selected to correspond to the use of TC's in the SPDS CSFs and EOPs |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Sub Margin |
| Point ID: | TMARCETA |
| Plant Spec Point Desc: | Core Exit TSAT Margin CH A |
| Generic/Cond Desc: | Saturation Temp - Highest CET |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -2300 |
| Maximum Instr Range: | 664 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 19 |
| How Processed: | Calculation based on highest CETC |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calculation performed by ICCMS and data linked to PPC/SPDS. Individual TCs are excluded from calculation if failed. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Sub Margin |
| Point ID: | TMARCETB |
| Plant Spec Point Desc: | Core Exit TSAT Margin CH B |
| Generic/Cond Desc: | Saturation Temp - Highest CET |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -2300 |
| Maximum Instr Range: | 664 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 19 |
| How Processed: | Calculation based on highest CETC |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calculation performed by ICCMS and data linked to PPC/SPDS. Individual TCs are excluded from calculation if failed. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | PRZR Level |
| Point ID: | LC 1600 A |
| Plant Spec Point Desc: | PRZR Level Avg 1 MA |
| Generic/Cond Desc: | Primary System Pressurizer Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100% |
| Zero Point Reference: | PRZR Lower Tap |
| Reference Point Notes: | 0% corresponds to 294 gallons and 100% corresponds to 10,179 gallons |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | At lower tap near bottom of PRZR |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Composite Avg from LT0459, LT0460 and LT0461. Transmitters are calibrated for 654°F and 2,270 psia. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS CHG/MU |
| Point ID: | FC 4658 |
| Plant Spec Point Desc: | Charging Line Corrected Flow IMA |
| Generic/Cond Desc: | Primary System Charging or Makeup Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | Charging Header |
| Alarm/Trip Set Points: | N/A |
| NI Detector Power Supply Cut-Off Power Level: | N/A |
| NI Detector Power Supply Turr-on Power Level: | N/A |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | Y |
| Level Reference Leg: | N/A |
| Unique System Desc: | Chg Pump Header Flow which feeds all 3 RCS Loops. Density correction calculated by plant computer based on temp. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | REAC VES LEV |
| Point ID: | LC 1603 |
| Plant Spec Point Desc: | Lowest Upper Plenum Level |
| Generic/Cond Desc: | Reactor Vessel Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TAF |
| Reference Point Notes: | 0% is 1 ft. 1 in. above TAF |
| PROC or SEHS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Lowest |
| Sensor Locations: | Within the HJTC probe below the upper support plate |
| Alarm/Trip Set Points: | Sensor Delta-T Exceeding |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RVL probes each contain 8 sensors (heated and unheated TCs). Uncovery of a sensor causes the delta-T between the sensor TCs to exceed 200° F. Each ICCMS processor determines RVL by deduction from uncovered sensors. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | REAC VES LEV |
| Point ID: | LC 1602 |
| Plant Spec Point Desc: | Lowest Upper Head Level |
| Generic/Cond Desc: | Reactor Vessel Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TAF |
| Reference Point Notes: | 0% is 10 ft. 10 in. above TAF |
| PROC or SENS: | PROC |
| Number of Sensors: | 6 |
| How Processed: | Lowest |
| Sensor Locations: | Within the HJTC probe above the upper support plate |
| Alarm/Trip Set Points: | Sensor Delta-T Exceeding 200° F |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RVL probes each contain 8 sensors (heated and unheated TCs). Uncovery of a sensor causes the delta-T between the sensor TCs to exceed 200° F. Each ICCMS processor determines RVL by deduction from uncovered sensors. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0400A |
| Plant Spec Point Desc: | RCL A Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| How Processed: | Avg |
| Sensor Locations: | RCS Loop A |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0414, FE0415 and FE0416 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0420A |
| Plant Spec Point Desc: | RCL B Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| How Processed: | Avg |
| Sensor Locations: | RCS Loop B |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0424, FE0425 and FE0426 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0440A |
| Plant Spec Point Desc: | RCL C Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| How Processed: | Avg |
| Sensor Locations: | RCS Loop C |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0434, FE0435 and FE0436 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI Power Range |
| Point ID: | NC 1100A |
| Plant Spec Point Desc: | Power Range Flux Avg 1 MA |
| Generic/Cond Desc: | Nuclear Instruments, Power Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 8 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Adjacent to Reactor Vessel in NI Instrument Ports |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency avg of NE0041, NE0042, NE0043, NE0044 Power Range Flux Channels 1 - 4. These are outputs from the Power Range NI Drawers and are the combined output of the upper and lower detectors for each channel. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI INTER RNG |
| Point ID: | NE 0035 |
| Plant Spec Point Desc: | Int Range Flux Chan A |
| Generic/Cond Desc: | Nuclear Instruments, Intermediate Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | AMPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 E-11 Amps |
| Maximum Instr Range: | 1.0 E-3 Amps |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | Hi 0.99 E-6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI INTER RNG |
| Point ID: | NE 0036 |
| Plant Spec Point Desc: | Int Range Flux Chan B |
| Generic/Cond Desc: | Nuclear Instruments, Intermediate Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | AMPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 E-11 Amps |
| Maximum Instr Range: | 1.0 E-3 Amps |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI SOURC RNG |
| Point ID: | NE 0031 |
| Plant Spec Point Desc: | Source Range Flux Chan A |
| Generic/Cond Desc: | Nuclear Instruments, Source Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 (CPS) |
| Maximum Instr Range: | 1.0 E 6 (CPS) |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | Hi 0.9 E 5 |
| NI Detector Power Supply Cut-Off Power Level: | Detectors de-energize when going above 10% Rx power |
| NI Detector Power Supply Turn-on Power Level: | Detectors energize at P-6 1.0 E-6 Amps |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI SOURC RNG |
| Point ID: | NE 0032 |
| Plant Spec Point Desc: | Smoothed Source Range SUR CHAN B |
| Generic/Cond Desc: | Nuclear Instruments, Source Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | DPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 (CPS) |
| Maximum Instr Range: | 1.0 E 6 (CPS) |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | N/A |
| NI Detector Power Supply Cut-Off Power Level: | Detectors de-energize when going above 10% Rx power |
| NI Detector Power Supply Turn-on Power Level: | Detectors energize at P-6 1.0 E-6 Amps |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level A |
| Point ID: | LT 0477 |
| Plant Spec Point Desc: | SG A Wide Range Level |
| Generic/Cond Desc: | SG A Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of tube bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator A |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level B |
| Point ID: | LT 0487 |
| Plant Spec Point Desc: | SG B Wide Range Level |
| Generic/Cond Desc: | SG B Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of the bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator B |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level C |
| Point ID: | LT 0497 |
| Plant Spec Point Desc: | SG C Wide Range Level |
| Generic/Cond Desc: | SG C Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of tube bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator C |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure A |
| Point ID: | PC 2300 A |
| Plant Spec Point Desc: | SG A Pressure Avg 1 MA |
| Generic/Cond Desc: | SG A Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator A |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0474, PT0475, PT0476, SG A Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure B |
| Point ID: | PC 2301 A |
| Plant Spec Point Desc: | SG B Pressure Avg 1 MA |
| Generic/Cond Desc: | SG B Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator B |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency, Avg of PT0484, PT0485, PT0486, SG B Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure C |
| Point ID: | PC 2302 A |
| Plant Spec Point Desc: | SG C Pressure Avg 1 MA |
| Generic/Cond Desc: | SG C Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator C |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0494, PT0495, PT0496, SG C Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL A |
| Point ID: | FC 4655 |
| Plant Spec Point Desc: | SG A Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG A Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG A |
| Alarm/Trip Set Points: | Lo -2, Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG A Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE476B and FE477B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL B |
| Point ID: | FC 4656 |
| Plant Spec Point Desc: | SG B Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG A Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG B |
| Alarm/Trip Set Points: | Lo -2, Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG B Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE486B and FE487B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL C |
| Point ID: | FC 4657 |
| Plant Spec Point Desc: | SG C Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG C Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG C |
| Alarm/Trip Set Points: | Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG C Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE496B and FE497B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | AX FD FL A |
| Point ID: | FT 3229A |
| Plant Spec Point Desc: | Aux FW Flow to SG A |
| Generic/Cond Desc: | SG A Aux FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG 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 |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | AX FD FL B |
| Point ID: | FT 3229B |
| Plant Spec Point Desc: | Aux FW Flow to SG B |
| Generic/Cond Desc: | SG B Aux FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG B |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | AX FD FL C |
| Point ID: | FT 3229C |
| Plant Spec Point Desc: | Aux FW Flow to SG C |
| Generic/Cond Desc: | SG C Aux FW flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG C |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | LP SI Flow |
| Point ID: | FE 0605A |
| Plant Spec Point Desc: | RHR Train A Flow |
| Generic/Cond Desc: | Low Pressure SI Flow - Train A |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 4250 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Downstream of the Train A RHR Hx |
| Alarm/Trip Set Points: | Hi 5000 |
| VI 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | LP SI Flow |
| Point ID: | FE 0605B |
| Plant Spec Point Desc: | RHR Train B Flow |
| Generic/Cond Desc: | Low Pressure SI Flow - Train B |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 4250 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Downstream of the Train B RHR Hx |
| Alarm/Trip Set Points: | Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HP SI Flow |
| Point ID: | FT 0943 |
| Plant Spec Point Desc: | SI Header to BIT |
| Generic/Cond Desc: | HP SI Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | HP SI Header to BIT |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | BWST Level |
| Point ID: | LT 0501 |
| Plant Spec Point Desc: | RWS: Level Channel 1 |
| Generic/Cond Desc: | Borated Water Storage Tank Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | Feet |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 40 |
| Zero Point Reference: | TNKBOT |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | RWST |
| Alarm/Trip Set Points: | Lo 12.6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | One of two channels |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT Pressure |
| Point ID: | PC 3700 |
| Plant Spec Point Desc: | Highest CTMT Pressure |
| Generic/Cond Desc: | Containment Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -5 |
| Maximum Instr Range: | 225 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Algorithm Max |
| Sensor Locations: | CTMT |
| Alarm/Trip Set Points: | Hi 4, Hi Hi 16.2, Hi Hi Hi 27.0 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Highest containment pressure calculated from PT0950Y and Z, containment pressure extended range. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT SMP R |
| Point ID: | LC 1501 |
| Plant Spec Point Desc: | CTMT Sump Level Avg |
| Generic/Cond Desc: | Containment Sump Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | Feet |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 10 |
| Zero Point Reference: | Bottom of Sump |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Containment Sump |
| Alarm/Trip Set Points: | Lo 1.0, Hi 5.0 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Containment Sump Level Avg of LT 3594A and LT 3594B |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187E |
| Plant Spec Point Desc: | CTMT Cooler D Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler D Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187F |
| Plant Spec Point Desc: | CTMT Cooler C Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler C Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187G |
| Plant Spec Point Desc: | CTMT Cooler B Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler B Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187H |
| Plant Spec Point Desc: | CTMT Cooler A Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PRCC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler A Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187I |
| Plant Spec Point Desc: | CTMT Dome Inside Air Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Containment Dome |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS LTDN RAD |
| Point ID: | RE 0050 |
| Plant Spec Point Desc: | Gross Failed Fuel Detector |
| Generic/Cond Desc: | Rad Level of RCS Letdown Line |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Pipe Penetration Room |
| Alarm/Trip Set Points: | Hi 11,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMT RAD |
| Point ID: | RC 3702 |
| Plant Spec Point Desc: | Highest Hi Level CTMT Radiation |
| Generic/Cond Desc: | Radiation Level in the Containment |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 |
| Maximum Instr Range: | 1.0 E 7 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Algorithm Max |
| Sensor Locations: | Containment |
| Alarm/Trip Set Points: | 10.0 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RC 3702 selects the highest output of R27A or R27B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC EKDS Parameter: | COND AE RAD |
| Point ID: | RE 0015C |
| Plant Spec Point Desc: | SJAE Exhaust High Range Monitor |
| Generic/Cond Desc: | Condenser Air Ejector Radioactivity |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Jet Air Ejector |
| Alarm/Trip Set Points: | Hi 2.8 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Steam jet air ejector exhaust high range radiation monitor |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | F21 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0014 |
| Plant Spec Point Desc: | Vent Gas Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Plant Vent Stack |
| Alarm/Trip Set Points: | Hi 17,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0021 |
| Plant Spec Point Desc: | Vent Air Particle Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building |
| Alarm/Trip Set Points: | Hi 1200 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0022 |
| Plant Spec Point Desc: | Vent Gas Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig Stages: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building |
| Alarm/Trip Set Points: | Hi 156 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RG 0029B - NG |
| Plant Spec Point Desc: | Plant Vent Stack High Range Noble Gas |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | uCi/ML |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.10 E-7 |
| Maximum Instr Range: | 1.44 E 5 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Algorithm selects from low, mid, and high range detectors |
| Sensor Locations: | Plant Vent Stack |
| Alarm/Trip Set Points: | 4.44 E-4 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0029B - 12 |
| Plant Spec Point Desc: | Plant Vent Stack Iodine - 131 |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | uCI/ML |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.40 E-11 |
| Maximum Instr Range: | 4.00 E-6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Control Room Penthouse/Plant Vent Stack |
| Alarm/Trip Set Points: | 1.0 E-6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060A |
| Plant Spec Point Desc: | SG A Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060B |
| Plant Spec Point Desc: | SG B Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr nits/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060C |
| Plant Spec Point Desc: | SG C Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060D |
| Plant Spec Point Desc: | Aux Feed Turbine Exhaust Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MAIN SL A |
| Point ID: | RE 0070A |
| Plant Spec Point Desc: | N16 Leak Detection System S/G A |
| Generic/Cond Desc: | Stm Gen A Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line A |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MAIN SL B |
| Point ID: | RE 0070B |
| Plant Spec Point Desc: | N16 Leak Detection System S/G B |
| Generic/Cond Desc: | Stm Gen B Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line B |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC IRDS Parameter: | MAIN SL C |
| Point ID: | RE 100C |
| Plant Spec Point Desc: | N16 Leak Detection System S/G C |
| Generic/Cond Desc: | Stm Gen C Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PRV or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line C |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF LIQ RAD |
| Point ID: | RE 0018 |
| Plant Spec Point Desc: | Waste Disposal Liquid Monitor |
| Generic/Cond Desc: | EFF LIQ RAD |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 10 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Liquid Effluent Line |
| Alarm/Trip Set Points: | Variable determined by ODCM |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF LIQ RAD |
| Point ID: | RE 0023B |
| Plant Spec Point Desc: | SG Blowdown Treatment Monitor |
| Generic/Cond Desc: | Radioactivity of Released Liquids |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | SG Blowdown Effluent Line |
| Alarm/Trip Set Points: | 1,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND SPEED |
| Point ID: | WS35FT |
| Plant Spec Point Desc: | Wind Speed 35' Elev |
| Generic/Cond Desc: | Wind Speed at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | MPH |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base is at 182 feet MSL |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND SPEED |
| Point ID: | WS150FT |
| Plant Spec Point Desc: | Wind Speed 150' Elev |
| Generic/Cond Desc: | Wind Speed at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | MPH |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base is at 182 feet MSL |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND DIR |
| Point ID: | WD35FT |
| Plant Spec Point Desc: | Wind Direction 35' Elev |
| Generic/Cond Desc: | Wind Direction at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGFR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 540 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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 |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base slab is at 182 feet MSL. Wind direction is "from." |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND DIR |
| Point ID: | WD150FT |
| Plant Spec Point Desc: | Wind Direction 150' Elev |
| Generic/Cond Desc: | Wind Direction at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGFR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 540 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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 |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base slab is at 182 feet MSL. Wind direction is "from." |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | STAB CLASS |
| Point ID: | STCLASS |
| Plant Spec Point Desc: | Stability Class Delta Temp |
| Generic/Cond Desc: | Air Stability at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -10°F |
| Maximum Instr Range: | +200°F |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 2 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Temp Difference Between 35 feet and 200 feet |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA1 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | N/A |
| Point ID: | FT 2879 |
| Plant Spec Point Desc: | Plant Vent Stack Flow |
| Generic/Cond Desc: | N/A |
| Analog/Digital: | A |
| Engr Units/Dig States: | CFM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 170,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Plant Vent Stack |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

Unit 2 Data Point Library Reference File

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS Pressure |
| Point ID: | PC 1402 A |
| Plant Spec Point Desc: | RCS WR Pressure Avg 1 MA |
| Generic/Cond Desc: | Reactor Coolant System Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 3000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | RCS Loops A and C |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0402A and PT0403A, RCS Wide Range Pressure |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp A |
| Point ID: | TC 0413 A |
| Plant Spec Point Desc: | RC HL A WR Temp 1 MA |
| Generic/Cond Desc: | SG A Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS A Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range A Hot Leg, 1 Min Avg of TE-413 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp B |
| Point ID: | TC 0423 A |
| Plant Spec Point Desc: | RC HL B WR Temp 1 MA |
| Generic/Cond Desc: | SG B Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS B Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range B Hot Leg, 1 Min Avg of TE-423 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HL Temp C |
| Point ID: | TC 0433 A |
| Plant Spec Point Desc: | RC HL C WR Temp 1 MA |
| Generic/Cond Desc: | SG C Inlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS C Hot Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range C Hot Leg, 1 Min Avg of TE-433 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp A |
| Point ID: | TC 0410 A |
| Plant Spec Point Desc: | RC CL A WR Temp 1 MA |
| Generic/Cond Desc: | SG A Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS A Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range A Cold Leg, 1 Min Avg of TE-410 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp B |
| Point ID: | TC 0420 A |
| Plant Spec Point Desc: | RC CL B WR Temp 1 MA |
| Generic/Cond Desc: | SG B Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS B Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range B Cold Leg, 1 Min Avg of TE-420 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CL Temp C |
| Point ID: | TC 0430 A |
| Plant Spec Point Desc: | RC CL C WR Temp 1 MA |
| Generic/Cond Desc: | SG C Outlet Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 700 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | RCS C Cold Leg |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Wide Range C Cold Leg, 1 Min Avg of TE-430 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Temp Core Ex |
| Point ID: | TC 1200 |
| Plant Spec Point Desc: | Fifth Hottest Core Exit TC |
| Generic/Cond Desc: | Highest Temp at the Core Exit |
| Analog/Digital: | A |
| Engr Units/Dig States: | NEG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 2300 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 38 |
| How Processed: | Max |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Fifth hottest core exit TC was selected to correspond to the use of TC's in the SPDS CSFs and EOPs |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Sub Margin |
| Point ID: | TMARCETA |
| Plant Spec Point Desc: | Core Exit TSAT Margin CH A |
| Generic/Cond Desc: | Saturation Temp - Highest CET |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -2300 |
| Maximum Instr Range: | 664 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 23 |
| How Processed: | Calculation based on highest CETC |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calculation performed by ICCMS and data linked to PPC/SPDS. Individual TCs are excluded from calculation if failed. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | Sub Margin |
| Point ID: | TMAR CETB |
| Plant Spec Point Desc: | Core Exit TSAT Margin CH B |
| Generic/Cond Desc: | Saturation Temp - Highest CET |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -2300 |
| Maximum Instr Range: | 664 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 24 |
| How Processed: | Calculation based on highest CETC |
| Sensor Locations: | Above active fuel attached to guide tubes |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calculation performed by ICCMS and data linked to PPC/SPDS. Individual TCs are excluded from calculation if failed. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | PRZR Level |
| Point ID: | LC 1600 A |
| Plant Spec Point Desc: | PRZR Level Avg 1 MA |
| Generic/Cond Desc: | Primary System Pressurizer Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | G |
| Maximum Instr Range: | 100% |
| Zero Point Reference: | PRZR Lower Tap |
| Reference Point Notes: | 0% corresponds to 294 gallons and 100% corresponds to 10,179 gallons. |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | At lower tap near bottom of PRZR |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Composite Avg from LT0459, LT0460 and LT0461. Transmitters are calibrated for 654°F and 2,270 psia. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS CHG/MU |
| Point ID: | FC 4658 |
| Plant Spec Point Desc: | Charging Line Corrected Flow IMA |
| Generic/Cond Desc: | Primary System Charging or Makeup Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 1 |
| How Processed: | Avg |
| Sensor Locations: | Charging Header |
| 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: | Y |
| Level Reference Leg: | N/A |
| Unique System Desc: | Chg Pump Header Flow which feeds all 3 RCS Loops. Density correction calculated by plant computer based on temp. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | REAC VES LEV |
| Point ID: | LC 1603 |
| Plant Spec Point Desc: | Lowest Upper Plenum Level |
| Generic/Cond Desc: | Reactor Vessel Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TAF |
| Reference Point Notes: | 0% is 1 ft. 1 in. above TAF |
| PROC or SEI'S: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Lowest |
| Sensor Locations: | Within the HJTC probe below the upper support plate |
| Alarm/Trip Set Points: | Sensor Delta-T Exceeding |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RVL probes each contain 8 sensors (heated and unheated TCs). Uncovery of a sensor causes the delta-T between the sensor TCs to exceed 200° F. Each ICCMS processor determines RVL by deduction from uncovered sensors. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | REAC VES LEV |
| Point ID: | LC 1602 |
| Plant Spec Point Desc: | Lowest Upper Head Level |
| Generic/Cond Desc: | Reactor Vessel Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TAF |
| Reference Point Notes: | 0% is 10 ft. 10 in. above TAF |
| PROC or SENS: | PROC |
| Number of Sensors: | 6 |
| How Processed: | Lowest |
| Sensor Locations: | Within the HJTC probe above the upper support plate |
| Alarm/Trip Set Points: | Sensor Delta-T Exceeding 200° F |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RVL probes each contain 8 sensors (heated and unheated TCs). Uncovery of a sensor causes the delta-T between the sensor TCs to exceed 200° F. Each ICCMS processor determines RVL by deduction from uncovered sensors. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0400A |
| Plant Spec Point Desc: | RCL A Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| Hw Processed: | Avg |
| Sensor Locations: | RCS Loop A |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0414, FE0415 and FE0416 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0420A |
| Plant Spec Point Desc: | RCL B Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| How Processed: | Avg |
| Sensor Locations: | RCS Loop B |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0424, FE0425 and FE0426 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CORE FLOW |
| Point ID: | FC 0440A |
| Plant Spec Point Desc: | RCL C Flow Avg 1 MA |
| Generic/Cond Desc: | Total Reactor Coolant Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 9 |
| How Processed: | Avg |
| Sensor Locations: | RCS Loop C |
| Alarm/Trip Set Points: | 92% Low |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Calc 1 Min Avg of FE0434, FE0435 and FE0436 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI Power Range |
| Point ID: | NC 1100A |
| Plant Spec Point Desc: | Power Range Flux Avg 1 MA |
| Generic/Cond Desc: | Nuclear Instruments, Power Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 120 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 8 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Adjacent to Reactor Vessel in NI Instrument Ports |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency avg of NE0041, NE0042, NE0043, NE0044 Power Range Flux Channels 1 - 4. These are outputs from the Power Range NI Drawers and are the combined output of the upper and lower detectors for each channel. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 26, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI INTER RNG |
| Point ID: | NE 0035 |
| Plant Spec Point Desc: | Int Range Flux Chan A |
| Generic/Cond Desc: | Nuclear Instruments, Intermediate Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | AMPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 E-11 Amps |
| Maximum Instr Range: | 1.0 E-3 Amps |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | Hi 0.99 E-6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI INTER RNG |
| Point ID: | NE 0036 |
| Plant Spec Point Desc: | Int Range Flux Chan B |
| Generic/Cond Desc: | Nuclear Instruments, Intermediate Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | AMPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 E-11 Amps |
| Maximum Instr Range: | 1.0 E-3 Amps |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI SOURC RNG |
| Point ID: | NE 0031 |
| Plant Spec Point Desc: | Source Range Flux Chan A |
| Generic/Cond Desc: | Nuclear Instruments, Source Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 (CPS) |
| Maximum Instr Range: | 1.0 E 6 (CPS) |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | Hi 0.9 E 5 |
| NI Detector Power Supply Cut-Off Power Level: | Detectors de-energize when going above 10% Rx power |
| NI Detector Power Supply Turn-on Power Level: | Detectors energize at P-6 1.0 E-6 Amps |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | NI SOURC RNG |
| Point ID: | NE 0032 |
| Plant Spec Point Desc: | Source Range Flux Chan B |
| Generic/Cond Desc: | Nuclear Instruments, Source Range |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPS |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 (CPS) |
| Maximum Instr Range: | 1.0 E 6 (CPS) |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Excore Instrument Ports |
| Alarm/Trip Set Points: | N/A |
| NI Detector Power Supply Cut-Off Power Level: | Detectors de-energize when going above 10% Rx power |
| NI Detector Power Supply Turn-on Power Level: | Detectors energize at P-6 1.0 E-6 Amps |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level A |
| Point ID: | LT 0477 |
| Plant Spec Point Desc: | SG A Wide Range Level |
| Generic/Cond Desc: | SG A Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of tube bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator A |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level B |
| Point ID: | LT 0487 |
| Plant Spec Point Desc: | SG B Wide Range Level |
| Generic/Cond Desc: | SG B Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of tube bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator B |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Level C |
| Point ID: | LT 0497 |
| Plant Spec Point Desc: | SG C Wide Range Level |
| Generic/Cond Desc: | SG C Water Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | % |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | TUBSHT |
| Reference Point Notes: | 0% corresponds to the TUBSHT and 70% corresponds to the top of tube bundle. |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Generator C |
| Alarm/Trip Set Points: | Lo 43%, Hi 55% |
| 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/A |
| Level Reference Leg: | Wet |
| Unique System Desc: | Transmitters are cold calibrated. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure A |
| Point ID: | PC 2300 A |
| Plant Spec Point Desc: | SG A Pressure Avg 1 MA |
| Generic/Cond Desc: | SG A Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator A |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0474, PT0475, PT0476, SG A Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure B |
| Point ID: | PC 2301 A |
| Plant Spec Point Desc: | SG B Pressure Avg 1 MA |
| Generic/Cond Desc: | SG B Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator B |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency, Avg of PT0484, PT0485, PT0486, SG B Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | SG Pressure C |
| Point ID: | PC 2302 A |
| Plant Spec Point Desc: | SG C Pressure Avg 1 MA |
| Generic/Cond Desc: | SG C Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1200 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Steam Generator C |
| Alarm/Trip Set Points: | Lo 600, Hi 1025 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg of the scan frequency Avg of PT0494, PT0495, PT0496, SG C Outlet Pressure Channels 1, 2 and 3 |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL A |
| Point ID: | FC 4655 |
| Plant Spec Point Desc: | SG A Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG A Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG A |
| Alarm/Trip Set Points: | Lo -2, Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG A Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE476B and FE477B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL B |
| Point ID: | FC 4656 |
| Plant Spec Point Desc: | SG B Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG A Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG B |
| Alarm/Trip Set Points: | Lo -2, Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG B Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE486B and FE487B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MN FD FL C |
| Point ID: | FC 4657 |
| Plant Spec Point Desc: | SG C Main FW Corr Flow 1 MA |
| Generic/Cond Desc: | SG C Main FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | KLB/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 5000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Main FW Line to SG C |
| Alarm/Trip Set Points: | Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | 1 Min Avg density corrected SG C Main Feedwater Flow. Density correction calculated based on FW Temp. Sensors are FE496B and FE497B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | AX FD FL A |
| Point ID: | FT 3229A |
| Plant Spec Point Desc: | Aux FW Flow to SG A |
| Generic/Cond Desc: | SG A Aux FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG 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 |
| Instrument Failure Mode: | Low |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | AX FD FL B |
| Point ID: | FT 3229B |
| Plant Spec Point Desc: | Aux FW Flow to SG B |
| Generic/Cond Desc: | SG B Aux FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG B |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC, SPDS |
| NRC ERDS Parameter: | AX FD FL C |
| Point ID: | FT 3229C |
| Plant Spec Point Desc: | Aux FW Flow to SG C |
| Generic/Cond Desc: | SG C Aux FW Flow |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 800 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Aux FW Line to SG C |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | LP SI Flow |
| Point ID: | FE 0605A |
| Plant Spec Point Desc: | RHR Train A Flow |
| Generic/Cond Desc: | Low Pressure SI Flow - Train A |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 4250 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Downstream of the Train A RHR Hx |
| Alarm/Trip Set Points: | Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 20, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | LP SI Flow |
| Point ID: | FE 0605B |
| Plant Spec Point Desc: | RHR Train B Flow |
| Generic/Cond Desc: | Low Pressure SI Flow - Train B |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 4250 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Downstream of the Train B RHR Hx |
| Alarm/Trip Set Points: | Hi 5000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | HP SI Flow |
| Point ID: | FT 0943 |
| Plant Spec Point Desc: | SI Header to BIT |
| Generic/Cond Desc: | HP SI Flow |
| Analog/Digital: | A |
| Engr Units Dig States: | GPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1000 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | HP SI Header to BIT |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | BWST Level |
| Point ID: | LT 0501 |
| Plant Spec Point Desc: | RWST Level Channel 1 |
| Generic/Cond Desc: | Borated Water Storage Tank Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | Feet |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 40 |
| Zero Point Reference: | TNKBOT |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | RWST |
| Alarm/Trip Set Points: | Lo 12.6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | One of two channels |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT Pressure |
| Point ID: | PC 3700 |
| Plant Spec Point Desc: | Highest CTMT Pressure |
| Generic/Cond Desc: | Containment Pressure |
| Analog/Digital: | A |
| Engr Units/Dig States: | PSIG |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -5 |
| Maximum Instr Range: | 225 |
| Zero Point Reference: | 0 |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Algorithm Max |
| Sensor Locations: | CTMT |
| Alarm/Trip Set Points: | Hi 4.0, Hi Hi 16.2, Hi Hi Hi 27.0 |
| NI Detector Power Supply Cut-Off Power Level: | N/A |
| NI Detecto Power Supply Turn-on Power Level: | N/A |
| Instrument Failure Mode: | Low |
| Temperature Compensction for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Highest containment pressure calculated from PT0950Y and Z, containment pressure extended range. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT SMP R |
| Point ID: | LC 1501 |
| Plant Spec Point Desc: | CTMT Sump Level Avg |
| Generic/Cond Desc: | Containment Sump Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | Feet |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 10 |
| Zero Point Reference: | Bottom of Sump |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Redundant Sensor Algorithm Avg |
| Sensor Locations: | Containment Sump |
| Alarm/Trip Set Points: | Lo 1.0, Hi 5.0 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Containment Sump Level Avg of LT 3594A and LT 3594B |

DATA POINT LIBRARY REFERENCE FILE

Date: February 28, 1992

Reactor Unit: FA2

Data Feeder: PPC/SPDS

NRC ERDS Parameter: CTMNT TEMP

Point ID: TE 3187E

Plant Spec Point Desc: CTMT Cooler D Air Inlet Temp

Generic/Cond Desc: Containment Temperature

Analog/Digital: A

Engr Units/Dig States: DEGF

Engr Units Conversion: N/A

Minimum Instr Range: 0

Maximum Instr Range: 150

Zero Point Reference: N/A

Reference Point Notes: N/A

PROC or SENS: SENS

Number of Sensors: 1

How Processed: N/A

Sensor Locations: CTMT Cooler D Air Inlet

Alarm/Trip Set Points: Hi 130

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/A

Level Reference Leg: N/A

Unique System Desc:

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187F |
| Plant Spec Point Desc: | CTMT Cooler C Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler C Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187G |
| Plant Spec Point Desc: | CTMT Cooler B Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler B Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187H |
| Plant Spec Point Desc: | CTMT Cooler A Air Inlet Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | CTMT Cooler A Air Inlet |
| Alarm/Trip Set Points: | Hi 130 |
| 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 L ² Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMNT TEMP |
| Point ID: | TE 3187I |
| Plant Spec Point Desc: | CTMT Dome Inside Air Temp |
| Generic/Cond Desc: | Containment Temperature |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Containment Dome |
| Alarm/Trip Set Points: | Hi 130 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | RCS LTDN RAD |
| Point ID: | RE 0050 |
| Plant Spec Point Desc: | Gross Failed Fuel Detector |
| Generic/Cond Desc: | Rad Level of RCS Letdown Line |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Emergency Sample Room |
| Alarm/Trip Set Points: | Hi 11,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | CTMT RAD |
| Point ID: | RC 3702 |
| Plant Spec Point Desc: | Highest Hi Level CTMT Radiation |
| Generic/Cond Desc: | Radiation Level in the Containment |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.0 |
| Maximum Instr Range: | 1.0 E 7 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 2 |
| How Processed: | Algorithm Max |
| Sensor Locations: | Containment |
| Alarm/Trip Set Points: | 10.0 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | RC 3702 selects the highest output of R27A or R27B. |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | COND AE RAD |
| Point ID: | RE 0015C |
| Plant Spec Point Desc: | SJAE Exhaust High Range Monitor |
| Generic/Cond Desc: | Condenser Air Ejector Radioactivity |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Steam Jet Air Ejector |
| Alarm/Trip Set Points: | Hi 2.8 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Steam jet air ejector exhaust high range radiation monitor |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0014 |
| Plant Spec Point Desc: | Vent Gas Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Plant Vent Stack |
| Alarm/Trip Set Points: | Hi 17,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0021 |
| Plant Spec Point Desc: | Vent Air Particle Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building |
| Alarm/Trip Set Points: | Hi 1200 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0022 |
| Plant Spec Point Desc: | Vent Gas Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building |
| Alarm/Trip Set Points: | Hi 156 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|---|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RG 0029B - NG |
| Plant Spec Point Desc: | Plant Vent Stack High Range Noble Gas |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | uCi/ML |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.10 E-7 |
| Maximum Instr Range: | 1.44 E 5 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | PROC |
| Number of Sensors: | 3 |
| How Processed: | Algorithm selects from low, mid, and high range detectors |
| Sensor Locations: | Plant Vent Stack |
| Alarm/Trip Set Points: | 4.44 E-4 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0029B - 12 |
| Plant Spec Point Desc: | Plant Vent Stack Iodine - 131 |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | uCI/ML |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1.40 E-11 |
| Maximum Instr Range: | 4.00 E-6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Control Room Penthouse/Plant Vent Stack |
| Alarm/Trip Set Points: | 1.0 E-6 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 20, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060A |
| Plant Spec Point Desc: | SG A Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060B |
| Plant Spec Point Desc: | SS B Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 0060C |
| Plant Spec Point Desc: | SG C Atmospheric Relief Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF GAS RAD |
| Point ID: | RE 00600 |
| Plant Spec Point Desc: | Aux Feed Turbine Exhaust Monitor |
| Generic/Cond Desc: | Radioactivity of Released Gases |
| Analog/Digital: | A |
| Engr Units/Dig States: | R/HR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Auxiliary Building Roof |
| Alarm/Trip Set Points: | 3.50 E-2 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MAIN SL A |
| Point ID: | RE 0070A |
| Plant Spec Point Desc: | N16 Leak Detection System S/G A |
| Generic/Cond Desc: | Stm Gen A Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line A |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MAIN SL B |
| Point ID: | RE 0070B |
| Plant Spec Point Desc: | N16 Leak Detection System S/G B |
| Generic/Cond Desc: | Stm Gen B Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line B |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|---------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | MAIN SL C |
| Point ID: | RE 0070C |
| Plant Spec Point Desc: | N16 Leak Detection System S/G C |
| Generic/Cond Desc: | Stm Gen C Steam Line Rad Level |
| Analog/Digital: | A |
| Engr Units/Dig States: | GPD |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 1 |
| Maximum Instr Range: | 1,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Main Steam Line C |
| Alarm/Trip Set Points: | 10 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF LIQ RAD |
| Point ID: | RE 0018 |
| Plant Spec Point Desc: | Waste Disposal Liquid Monitor |
| Generic/Cond Desc: | EFF LIQ RAD |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 10 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Liquid Effluent Line |
| Alarm/Trip Set Points: | Variable determined by ODCM |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | EFF LIQ RAD |
| Point ID: | RE 0023B |
| Plant Spec Point Desc: | SG Blowdown Treatment Monitor |
| Generic/Cond Desc: | Radioactivity of Released Liquids |
| Analog/Digital: | A |
| Engr Units/Dig States: | CPM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 10 |
| Maximum Instr Range: | 1.0 E 6 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | SG Blowdown Effluent Line |
| Alarm/Trip Set Points: | 1,000 |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Reactor Feeder: | PPC/SPDS |
| ERDS Parameter: | WIND SPEED |
| Point ID: | WS35FT |
| Point Spec Point Desc: | Wind Speed 35' Elev |
| Point Cond Desc: | Wind Speed at Reactor Site |
| Point Digital: | A |
| Units/Dig States: | MPH |
| Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 100 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base is at 182 feet MSL |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND SPEED |
| Point ID: | WS150FT |
| Plant Spec Point Desc: | Wind Speed 150' Elev |
| Generic/Cond Desc: | Wind Speed at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | MPH |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 150 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base is at 182 feet MSL |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND DIR |
| Point ID: | WD35FT |
| Plant Spec Point Desc: | Wind Direction 35' Elev |
| Generic/Cond Desc: | Wind Direction at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGFR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 540 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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 |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base slab is at 182 feet MLL. Wind direction is "from." |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | WIND DIR |
| Point ID: | WD150FT |
| Plant Spec Point Desc: | Wind Direction 150' Elev |
| Generic/Cond Desc: | Wind Direction at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGFR |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 540 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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 |
| Temperature Compensation for DP Transmitters: | N/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Met tower base slab is at 182 feet MSL. Wind direction is "from." |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|--|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | STAB CLASS |
| Point ID: | STCLASS |
| Plant Spec Point Desc: | Stability Class Delta Temp |
| Generic/Cond Desc: | Air Stability at Reactor Site |
| Analog/Digital: | A |
| Engr Units/Dig States: | DEGF |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | -10°F |
| Maximum Instr Range: | +20°F |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 2 |
| How Processed: | N/A |
| Sensor Locations: | Primary Met Tower |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | Temp Difference Between 35 feet and 200 feet |

DATA POINT LIBRARY REFERENCE FILE

| | |
|--|-----------------------|
| Date: | February 28, 1992 |
| Reactor Unit: | FA2 |
| Data Feeder: | PPC/SPDS |
| NRC ERDS Parameter: | N/A |
| Point ID: | FT 2879 |
| Plant Spec Point Desc: | Plant Vent Stack Flow |
| Generic/Cond Desc: | N/A |
| Analog/Digital: | A |
| Engr Units/Dig States: | CFM |
| Engr Units Conversion: | N/A |
| Minimum Instr Range: | 0 |
| Maximum Instr Range: | 170,000 |
| Zero Point Reference: | N/A |
| Reference Point Notes: | N/A |
| PROC or SENS: | SENS |
| Number of Sensors: | 1 |
| How Processed: | N/A |
| Sensor Locations: | Plant Vent Stack |
| 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/A |
| Level Reference Leg: | N/A |
| Unique System Desc: | |