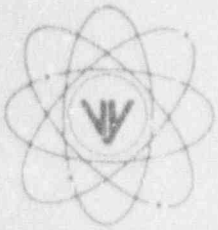


VERMONT YANKEE NUCLEAR POWER CORPORATION



Ferry Road, Brattleboro, VT 05301-7002

REPORT TO
ENGINEERING OFFICE
580 MAIN STREET
BOLTON, MA 01740
(508) 729-6711

August 31, 1992
BVY 92-103

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

References: (1) License No. DPR-28 (Docket No. 50-271)
(2) W.P. Murphy letter, BVY 90-074, dated 6/28/92

Enclosures: (1) Contracts and Data Feeder Information
(2) Critical Safety Function Parameters
(3) Data Point Library Reference File

Dear Sir:

Subject: Emergency Response Data System (ERDS)

Enclosed is a revised survey and Data Point Library Reference File containing hardware, communications, data point, and administrative information for the Vermont Yankee Nuclear Power Station (VY1). The changes are relatively minor clarifications for the Vermont Yankee ERDS System and have been identified in the margins of each page. Additionally, the "Date" entry on Enclosure 2 has been changed to identify those pages of the Data Point Library Reference File which contain changes. For thoroughness, this package constitutes a complete Data Point Library Reference File.

Thank you for your cooperation with this project. In the event I can be of any further assistance, please do not hesitate to call.

Very truly yours,

Robert E. Sobjka
Operations Support Manager

RES/ss

Enclosure

cc: Mr. John R. Jolicoeur
Tony P. LaRosa - NUS Halburton
Harold Eichenholz - VY Resident
Marc P. Benoit - VY

9209110003 920831
PDR ADOCK 050002/1
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Enclosure 1

A. Contacts

Survey Coordinator:	Marc P. Benoit
Computer Hardware Specialist:	James F. Pinkerton, Hardware Specialist
Telephone Specialist:	Vermont Yankee Nuclear Power Corp.
Systems Software Specialist:	Ferry Road Brattleboro, VT 05301-7002 (802) 257-5271
Applications Level Software Specialist:	Robert C. Potter
	Process Computer Supervisor
	Vermont Yankee Nuclear Power Corp.
	Governor Hunt Road
	Vernon, Vermont 05354
	(802) 257-7711

B. Data Feeder Information

Vermont Yankee has provided a single data feeder for all ERDS data. This feeder is the same host as for the Vermont Yankee SPDS and is called ERFIS for Emergency Response Facility Information System. ERFIS will determine site time for all ERDS transmissions and will update the ERDS data file at five minute intervals.

ERFIS operates on a Digital Equipment Company 8550 VAX host processor, under VMS operating system in the Eastern Standard time zone under Daylight Savings and Eastern Standard time-keeping, as appropriate.

Vermont Yankee has provided a dedicated asynchronous serial data communications port (RS232C) with full modem control which transmit in ASCII at a based rate of 2400 bps. We have experienced no problems using XON/XOFF data transmission control.

ERFIS is located in the TSC at the Vermont Yankee station and serves as the Vermont Yankee SPDS. It is protected from a loss of electrical power with an Uninterruptable Power Supply (UPS).

ERFIS is normally attended eight hours a day, five days per week. During emergency conditions, ERFIS would be continuously attended by TSC personnel.

Enclosure 1

Rev. 2
8/92

CRITICAL SAFETY FUNCTION PARAMETERS
FOR VERMONT YANKEE - VYI

<u>REACTIVITY CONTROL</u>	<u>PARAMETER DESCRIPTION</u>	<u>VY ID</u>	<u>PAGE</u>	<u>QTY SIGNALS</u>	<u>UNITS</u>
NI POWER RNG	Nuclear Instruments Power Range	C203	1	1	%
NI INTER RNG	Nuclear Instruments, Intermediate Range	M072	2	1	%
NI SOURC RNG	Nuclear Instruments, Source Range	M080-M083	3-5	4	C/SEC
ROD DENSITY	Control Rods Inserted	C116	7	1	PRAC
SLC LVL	SLC Tank Level - Note 1	P009	8	1	%
SLC PRESS	SLC Discharge Pressure - Note 1	P010	9	1	PSIG
<u>CORE COOLING</u>					
REAC VES LVL	Reactor Vessel Water Level	C201, B046	10, 11	2	IN
Main FD FLOW	Feedwater Flow into the Reactor System	B015, B016	12, 13	2	MLBS/HR
RCIC FLOW	Reactor Core Isolation Cooling Flow	P007	14	1	GPM
CORE FLOW	Total Reactor Core Flow	B012	15	1	MLBS/HR
<u>RCS INTEGRITY</u>					
RCS PRESSURE	Reactor Coolant System Pressure	C202, B049	16, 17	2	PSIG
HPCI FLOW	High Pressure Coolant Injection Flow	P008	18	1	GPM
LPCI FLOW	Low Pressure Coolant Injection Flow	P001, P002	19, 20	2	GPM
CR SPRAY FL	Core Spray Flow	P011, P012	21, 22	2	GPM
<u>RADIOACTIVITY CONTROL</u>					
EFF GAS RAD	Radioactivity of Released Gases	U014	23	1	MR/HR
EFF GAS RAD	Radioactivity of Released Gases	M001, U013	24, 25	2	C/MIN
CND A/E RAD	Condenser Air Ejector Radioactivity	M002	26	1	MR/HR
DW RAD	Radiation Level in the Drywell	C210	27	1	R/HR
MN STEAM RAD	Radiation Level of the Main Steam Line	M120-M123	28-31	4	MR/HR
RB VENT RAD	Reactor Building Ventilation Exhaust	M126, M127	32, 33	2	MR/HR
RB ARM	Reactor Building Area Radiation Monitors	M000, M043, M048, M049, M051-M053, M060, M061, M067, M068, M073, M076, M128, M129	34-48	15	
<u>CONTAINMENT CONDITIONS</u>					
DW PRESS	Drywell Pressure	C204	49	1	PSIG
DW TEMP	Drywell Temperature	C205	50	1	F
SP TEMP	Suppression Pool Temperature	C207	51	1	F
SP LEVEL	Suppression Pool Water Level	C206	52	1	FT
H2 CONC	Drywell or Torus Hydrogen Concentration	C211	53	1	%
O2 CONC	Drywell or Torus Oxygen Concentration	C212	54	1	%
RS DELTA P	Secondary Containment Pressure	R018-R021	55-58	4	IN
<u>MISCELLANEOUS PARAMETERS</u>					
CST LEVEL	Condensate Storage Tank Level	C213	59	1	%
WIND SPEED	Wind Speed at the Reactor Site	C178, C179, C184	60-62	3	MPH
WIND DIR	Wind Direction at the Reactor Site	C188-C190	63-65	3	DEG
STAB CLASS	Air Stability at the Reactor Site	U000, U009	66, 67	2	F
SRV POS	SRV Position - Note 2	D557-D560	68-71	4	C/S

NOTES: (1) SLC - Standby Liquid Control
(2) SRV - Safety Relief Valve Position

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI POWER RNG

POINT ID: C203

PLANT SPEC POINT DESC.: Reactor Power Computed Average

GENERIC/COND DESC.: Nuclear Instruments, Power Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: % PWR

UNIT GR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 125

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 6

HOW PROCESSED: Average, See Below

SENSOR LOCATIONS: Reactor In-Core

ALARM/TRIP SET POINTS: Variable High Alarm, Flow Biased

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Average of non bypassed Average Power Range Monitors

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI INTER RNG

POINT ID: M072

PLANT SPEC POINT DESC.: IRM D

GENERIC/COND DESC.: Nuclear Instrument, Intermediate Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: %

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 100

ZERO POINT REFERENCE: Variable

REFERENCE POINT NOTES: Several Selective Ranges

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor In-Core

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Single fission chamber detector, remotely moveable within core. Five decades of indication over ten ranges. 100% on range 10 equals 31.25% core thermal power when fully inserted.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI SOURC RNG

POINT ID: M080

PLANT SPEC POINT DESC.: SRM Channel A

GENERIC/COND DESC.: Nuclear Instruments, Source Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: C/S

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 2,928,647

ZERO POINT REFERENCE: Variable

REFERENCE POINT NOTES: Several ranges selectable by positioning detector.

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor In-Core

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Single fission chamber detector remotely moveable within core. Provides one decade of overlap to intermediate range detectors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI SOURC RNG

POINT ID: M081

PLANT SPEC POINT DESC.: SRM Channel B

GENERIC/COND DESC.: Nuclear Instruments, Source Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: C/S

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 2,928,647

ZERO POINT REFERENCE: Variable

REFERENCE POINT NOTES: Several ranges selectable by positioning detector

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor In-core

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Single fission chamber detector remotely moveable within core. Provides one decade of overlap to intermediate range detectors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI SOURC RNG

POINT ID: M082

PLANT SPEC POINT DESC.: SRM Channel C

GENERIC/COND DESC.: Nuclear Instruments, Source Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: C/S

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 2,928,647

ZERO POINT REFERENCE: Variable

REFERENCE POINT NOTES: Several ranges selectable by positioning detectors

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor In-Core

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Single fission chamber detector remotely moveable within core. Provides one decade of overlap to intermediate range detectors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: NI SOURC RNG

POINT ID: M083

PLANT SPEC POINT DESC.: SRM Channel D

GENERIC/COND DESC.: Nuclear Instruments, Source Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: C/S

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 2,928,647

ZERO POINT REFERENCE: Variable

REFERENCE POINT NOTES: Several ranges selectable by positioning detector

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor In-Core

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Single fission chamber detector remotely moveable within core. Provides one decade of overlap to intermediate range detectors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: ROD DENSITY

POINT ID: C116

PLANT SPEC POINT DESC.: Control Rod Density Fraction

GENERIC/COND DESC.: Control Rods Inserted

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Fraction

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1

ZERO POINT REFERENCE: All Rods Out

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 20

HOW PROCESSED: RPIS Interface

SENSOR LOCATIONS: Reactor In-Core

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Rod positions are digitally encoded by the RPIS system and decoded by the process computer. A rod density calculation is then performed.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SLC Level

POINT ID: P009

PLANT SPEC POINT DESC.: Standby Liquid Control Tank Percent of Level

GENERIC/COND DESC.: Standby Liquid Control Tank Percent of Level

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: % Level

ENGR UNITS CONVERSION: Linear Signal to E.U. Conversion

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 100

ZERO POINT REFERENCE: Bottom Pressure Tap

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Standby Liquid Control Tank, Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DF TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERLS PARAMETER: SLC Pressure

POINT ID: P010

PLANT SPEC POINT DESC.: Standby Liquid Contr harge Pressure

GENERIC/COND DESC.: Standby Liquid Control ischarge Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: PSIG

ENGR UNITS CONVERSION: Linear Signal to E.U. Conversion

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 2000.0

ZERO POINT REFERENCE: RB Ambient

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Standby Liquid Control System, Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: REAC VES LEV

POINT ID: C201

PLANT SPEC POINT DESC.: RPV Water Level Compuied

GENERIC/COND DESC.: Reactor Vessel Water Level

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Inches

ENGR UNIT L. CONVERSION: N/A

MINIMUM INSTR RANGE: 187

MAXIMUM INSTR RANGE: 77

ZERO POINT REFERENCE: Fuel TAF

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 6

HOW PROCESSED: See Below

SENSOR LOCATIONS: Drywell

ALARM/TRIP SET POINTS: LO 155, Hi 165 Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Trip Hi = 177, Scram Lo = 127, ECCS initiate = 82.5, 2/3 core height = -48. An accuracy weighted average of the four ECCS range sensors is used unless the range is exceeded. The two transient range sensors B043 and B047 are then used.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

PROC ERDS PARAMETER: REAC VES LEV

POINT ID: B046

PLANT SPEC POINT DESC.: LI-2-3-91A

GENERIC/COND DESC.: Reactor Vessel Water Level

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Inches

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -200

MAXIMUM INSTR RANGE: 200

ZERO POINT REFERENCE: TAF

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: Provides 2/3 core height interlock to LPCI mode of RHR

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSFORMERS: N

LEVEL REFERENCE LEG: Wet

UNIQUE SYSTEM DESC.: Reactor vessel shroud level indicator. Calibrated for cold, no drive flow conditions at 212°F vessel, non-steaming, 100°F in drywell and 100°F in Reactor Building. Tech Spec Post Accident Instrument.

8/92

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NHC ERDS PARAMETER: Main FD Flow

POINT ID: B015

PLANT SPEC POINT DESC.: Reactor Feedwater Inlet Flow A

GENERIC/COND DESC.: Feedwater Flow into the Reactor System

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MLB/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 4

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Turbine Building

ALARM/TRIP SET POINTS: 3.4 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: Y

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Density compensation is applied, 372⁰ and 1018 PSI are the reference conditions.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Main FD Flow

POINT ID: B016

PLANT SPEC POINT DESC.: Reactor Feedwater Inlet Flow B

GENERIC/COND DESC.: Feedwater Flow into the Ractor System

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: M_LB/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 4

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Turbine Building

ALARM/TRIP SET POINTS: 3.4 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: Y

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Density compensation is applied, 372⁰F and 1018 PSI are the reference conditions.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RCIC Flow

POINT ID: P007

PLANT SPEC POINT DESC.: RCIC Flow

GENERIC/COND DESC.: Reactor Core Isolation Cooling Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 500

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Injection flow into feedwater line or Full Flow Test to Condensate Storage Tank.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Core Flow

POINT ID: B012

PLANT SPEC POINT DESC.: Total Core Flow

GENERIC/COND DESC.: Total Core Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MLB/HR

ENGR UNITS CONVERSION: Linear Signal to E.U. Conversation

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 80

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Drywell

ALARM/TRIP SET POINTS: Hi Alarm = 48

NI DETECTOR POWER SUPPLY

CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY

TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION

FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RCS Pressure

POINT ID: C202

PLANT SPEC POINT DESC.: Reactor Pressure Computed

GENERIC/COND DESC.: Reactor Coolant Systems Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: PSIG

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1500

ZERO POINT REFERENCE: Reactor Building Pressure

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 3

HOW PROCESSED: Weighted Average

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: Low 900 Alarm, HI 1035 alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Reactor pressure computed is a weighted average of one, two or three pressure sensors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RCS Pressure

POINT ID: B049

PLANT SPLIC POINT DESC.: PI-2-3-56A

GENERIC/COND DESC.: Reactor Coolant System Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: PSIG

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1500

ZERO POINT REFERENCE: Reactor Building Pressure

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: 900 Lo, 1035 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: PI-2-3-56A

Environmentally qualified for post accident use.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: HPCI Flow

POINT ID: P008

PLANT SPEC POINT DESC.: HPCI Flow

GENERIC/COND DESC.: High Pressure Coolant Injection Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 5000

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: N/A

NIDETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NIDETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR IDP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Injection flow into Feedwater Line A or Full Flow Test to Condensate Storage Tank.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: LPCI Flow

POINT ID: P001

PLANT SPEC POINT DESC.: RHR System Flow A

GENERIC/COND DESC.: Low Pressure Coolant Injection Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 20,000

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Environmentally qualified for post accident use

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: LPCI Flow

POINT ID: P002

PLANT SPEC POINT DESC.: RHR System Flow B

GENERIC/COND DESC.: Low Pressure Coolant Injection Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 20,000

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Environmentally qualified for post accident use.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: CR SPRAY FL

POINT ID: P011

PLANT SPEC POINT DESC.: Core Spray Flow A

GENERIC/COND DESC.: Core Spray Cooling System Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1000

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Vessel Injection or Full Flow Test Indication

Environmentally qualified for post accident use

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: CR SPRAY FL

POINT ID: P012

PLANT SPEC POINT DESC.: Core Spray Flow B

GENERIC/COND DESC.: Core Spray Cooling System Flow

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: GPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 1000

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Vessel Injection or Full Flow Test Flow Indication.

Environmentally qualified for post accident use.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: EFF GAS RAD

POINT ID: U014

PLANT SPEC POINT DESC.: Stack Gas III Mon HI Range

GENERIC/COND DESC.: Radioactivity of Released Gasses

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MB/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 10,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Offgass stack base

ALARM/TRIP SET POINTS: .2 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing a representative sample of gases being released via the 100
meter plant stack. Environmentally qualified for post accident use.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: EFF GAS RAD

POINT ID: M001

PLANT SPEC POINT DESC.: Stack Gas Monitor I

GENERIC/COND DESC.: Radioactivity of Released Gasses

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: CPM

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 10

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Off-gas Stack

ALARM/TRIP SET POINTS: 1000 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Scintillation detector sensing a representative sample of gases being released via the
100 meter plant stack.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: EFF GAS RAD

POINT ID: U013

PLANT SPEC POINT DESC.: Stack Gas Monitor II

GENERIC/COND DESC.: Radioactivity of Released Gasses

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: CPM

ENGR UNI CONVERSION: N/A

MINIMUM INSTR RANGE: 3.98

MAXIMUM INSTR RANGE: 398,107

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Offgas Stack

ALARM/TRIP SET POINTS: 1000 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Scintillation detector sensing a representative sample of gases being released via the
100 meter plant stack.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: CND A/E RAD

POINT ID: M002

PLANT SPEC POINT DESC.: SJAE OFF GAS Activity

GENERIC/COND DESC.: Condensor Air Ejector Radioactivity

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0.562

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Turbine Building

ALARM/TRIP SET POINTS: 1000 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber detector sensing air and non-condensed gases extracted from the main
condensor and being discharged to the advanced - off gas holdup system.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: DW RAD

POINT ID: C210

PLANT SPEC POINT DESC.: Drywell Radiation Computed

GENERIC/COND DESC.: Radiation Level in the Drywell

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: R/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: Highest

SENSOR LOCATIONS: Drywell

ALARM/TRIP SET POINTS: 5 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing drywell general area radiation levels. Drywell radiation computed
is the higher valid containment high range radiation monitor.

Enclosure - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: MN Steam Rad

POINT ID: M120

PLANT SPEC POINT DESC.: Steam Line Rad A

GENERIC/COND DESC.: Radiation Level of the Main Steam Line

ALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0.562

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Steam Tunnel

ALARM/TRIP SET POINTS: 340 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing gamma radiation from the main steam lines as they exit the
primary containment. Provides automatic isolation signal.

Enclosure 5 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: MN Steam RAD

POINT ID: M121

PLANT SPEC POINT DESC.: Steam Line

GENERIC/COND DESC.: Radiation Level of the Main Steam Line

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0.562

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Steam Tunnel

ALARM/TRIP SET POINTS: 340 HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing gamma radiation from the main steam lines as they exit the
primary containment. Provides automatic isolation signal.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 3 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: MN Steam RAD

POINT ID: M122

PLAN/ SPEC POINT DESC.: Steam Line Rad C

GENERIC/COND DESC.: Radiator level of the Main Steam Line

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MB/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0.562

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Steam Tunnel

ALARM/TRIP SET POINTS: 342 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing gamma radiation from the main steam lines as they exit the primary containment. Provides automatic isolation signal.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: UY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: MN Steam RAD

POINT ID: M123

PLANT SPEC POINT DESC.: Steam Line Rad D

GENERIC/COND DESC.: Radiation Level of the Main Steam Line

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MB/HR

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0.562

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Steam Tunnel

ALARM/TRIP SET POINTS: 340 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Ion chamber sensing gamma radiation from the main steam lines as they exit the
primary or containment. Provides automatic isolation signal.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB Vent Rad

POINT ID: M126

PLANT SPEC POINT DESC.: RB Vent Exh. Rad Mor. A

GENERIC/COND DESC.: RB Vent Rad

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MB/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 1,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building Vent

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB Vent Rad

POINT ID: M127

PLANT SPEC POINT DESC.: RB Vent Exh. Rad Mon B

GENERIC/COND DESC.: RB Vent Rad

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 1,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building Vent

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M000

PLANT SPEC POINT DESC.: ARM North Personnel Access Sta 2

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 1000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building North Personnel Access

ALARM/TRIP SET POINTS: Hi Alarm = 40.0

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M043

PLANT SPEC POINT DESC.: ARM RB 232 EL Torus Sta 1

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 232 Ft. Elevation, near Torus

ALARM/TRIP SET POINTS: Hi Alarm = 70.0

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M048

PLANT SPEC POINT DESC.: ARM RB 252 North Personnel Access

GENERIC/COND DESC.: Reactor Bldg. Radiation High Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: R/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Ft. Elevation, by North Personnel Access

ALARM/TRIP SET POINTS: Hi Alarm = 2

DETECTOR POWER SUPPLY

OFF POWER LEVEL: N/A

DETECTOR POWER SUPPLY

POWER LEVEL: N/A

FAILURE MODE: Variable

COMPENSATION

ADJUSTERS: N/A

LEG: N/A

High Range Reactor Building Radiation

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M048

PLANT SPEC POINT DESC.: ARM RB 252 North Personnel Access

GENERIC/COND DESC.: Reactor Bldg. Radiation High Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: R/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Ft. Elevation, by North Personnel Access

ALARM/TRIP SET POINTS: HI Alarm = 2

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: High Range Reactor Building Radiation

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M049

PLANT SPEC POINT DESC.: ARM RB 252 West Personnel Access

GENERIC/COND DESC.: Reactor Building Radiation - High Range

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: R/HR

ENGR UNITS CONVERSION: Antilog signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Elevation by West Personnel Access

ALARM/TRIP SET POINTS: Hi Alarm = 2

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: High Range Reactor Building Radiation

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad.

POINT ID: M051

PLANT SPEC POINT DESC.: ARM RB 280 Elevation Sta. 6

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 280 Ft. Elevation

ALARM/TRIP SET POINTS: Hi Alarm = 50

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECT POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M052

PLANT SPEC POINT DESC.: ARM RB 252 South RR Access Sta. 3

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Analog Signal to E.U. Conversion

MINIMUM INSTR RANGE: .1

MAXIMUM INSTR RANGE: 1000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Ft. Elevation, by South RR Access

ALARM/TRIP SET POINTS: High Alarm = 3

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

N DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M053

PLANT SPEC POINT DESC.: ARM RB 252 TIP Room Sta. 4

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Ft. Elevation by TIP Room

ALARM/TRIP SET POINTS: Hi Alarm - 60⁰

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M260

PLANT SPEC POINT DESC.: ARM HB 252 CRD Repair Room Sta. 7

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 252 Ft Elevation, CRD Repair Room

ALARM/TRIP SET POINTS: Hi Alarm = 220

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M061

PLANT SPEC POINT DESC.: ARM RB 303 RWCU Sample Sta. 9

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to F.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building 303 Fl. Elevation by RWCU

ALARM/TRIP SET POINTS: Hi Alarm = 200

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M067

PLANT SPEC POINT DESC.: ARM RB EL 303 Elevator Site 8

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building, 303 Ft. Elevation

ALARM/TRIP SET POINTS: Hi Alarm - 150

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE CODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M068

PLANT SPEC POINT DESC.: ARM RB EI 318 Elevator STA 10

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building, 318 Ft. Elevation, by elevator

ALARM/TRIP SET POINTS: Hi Alarm = 50

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M073

PLANT SPEC POINT DESC.: ARM RB EL 345 West Refuel Sta 14

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 1,000,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building, Elevation 345 Ft. West Refueling

ALARM/TRIP SET POINTS: 1000 = HI Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M078

PLANT SPEC POINT DESC.: ARM RB Elevator 348 Ft STA-12

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building, 348 Ft Elevation by Elev.to:

ALARM/TRIP SET POINTS: Hi Alarm = 80

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M128

PLANT SPEC POINT DESC.: Refuel Floor Area Rad Mon A

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building Refuel Floor

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: EHFIS

NRC ERDS PARAMETER: Reactor Bldg. Rad

POINT ID: M129

PLANT SPEC POINT DESC.: Refuel Floor Area Rad Mon B

GENERIC/COND DESC.: Reactor Building Radiation

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: MR/HR

ENGR UNITS CONVERSION: Antilog Signal to E.U. Conversion

MINIMUM INSTR RANGE: 1

MAXIMUM INSTR RANGE: 10,000

ZERO POINT REFERENCE: No Activity

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building Refuel Floor

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: DW PRESS

POINT ID: C204

PLANT SPEC POINT DESC.: Drywell Pressure Computed

GENER/C/COND DESC.: Drywell Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: PSIG

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -15

MAXIMUM INSTR RANGE: 260

ZERO POINT REFERENCE: Abs 0 + 15 lbs

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 5

HOW PROCESSED: See Below

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: 2.5 Trip Pt.

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

First Range Used: Simple Average for two 0-5 PSIG sensors. Next Range Used is an Accuracy Weighted Average of one -15 to 65 PSIG and two -15 to 260 PSIG sensors. Auto ranging occurs if first range is exceeded.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: DW TEMP

POINT ID: C205

PLANT SPEC POINT DESC.: Drywell Area Temp Computed

GENERIC/COND DESC.: Drywell Temperature

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: °F

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 781.8

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: Highest

SENSOR LOCATIONS: Drywell

ALARM/TRIP SET POINTS: 160 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: The higher valid drywell temperature of M092 or M093 is displayed as C205.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SP TEMP

POINT ID: C207

PLANT SPEC POINT DESC.: Torus Water Temp Computed

GENERIC/COND DESC.: Suppression Pool Temperature

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: °F

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 300

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 8

HOW PROCESSED: Average

SENSOR LOCATIONS: Torus

ALARM/TRIP SET POINTS: 100° Alarm, 110 Manual Scram

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Submerged sensors only are averaged, six are 10.4 feet from the bottom of the torus,
two are 8.5 feet from the bottom of the torus. Under saturation conditions air and water temperatures will equalize.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SP LEVEL

POINT ID: C206

PLANT SPEC POINT DESC.: Torus Water Level Computed

GENERIC/COND DESC.: Suppression Pool Temperature

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Feet

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 25

ZERO POINT REFERENCE: Torus Bottom

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 3

HOW PROCESSED: Weighted Average

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: Varies with DW to Torus DP

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Torus water level computed is a cross comparison validation algorithm of one narrow range and two wide range level sensors.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: H2 CONC

POINT ID: C211

PLANT SPEC POINT DESC.: Drywell/Torus Hydrogen Concentration

GENERIC/COND DESC.: Drywell or Torus Hydrogen Concentration

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: %

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 30

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: Highest

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: 4 Hi Alarm

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: The higher valid hydrogen concentration of C245 or C247 is displayed as C211.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: 02 CONC

POINT ID: C212

PLANT SPEC POINT DESC.: Drywell/Torus Oxygen Concentration

GENERIC/COND DESC.: Drywell or Torus Oxygen Concentration

ANALOG/DIGITAL: A

ENGR UNITS/DIG STATES: %

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 25

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 2

HOW PROCESSED: Highest

SENSOR LOCATIONS: Reactor Building

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: N/A

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: The higher valid oxygen concentration of C246 or C248 is displayed as C212.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB DELTA P

POINT ID: R018

PLANT SPEC POINT DESC.: Rx Bldg. Negative Delta PSI IN

GENERIC/COND DESC.: Secondary Containment Delta Pressure

ANALOG/DIGITAL: A

ENER UNITS/D'G STATES: IN H2O

ENGR UNITS CONVERSION: Linear

MINIMUM INSTR RANGE: -2

MAXIMUM INSTR RANGE: +2

ZERO POINT REFERENCE: Bldg. = Barometric

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Bldg. North Wall

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: Variable

TEMPERATURE COMPENSATION

FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB DELTA P

POINT ID: R019

PLANT SPEC POINT DESC.: Rx Bldg. Negative Delta PSI 2E

GENERIC/COND DESC.: Secondary Containment Delta Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: IN H2O

ENGR UNITS CONVERSION: Linear

MINIMUM INSTR RANGE: -2

MAXIMUM INSTR RANGE: +2

ZERO POINT REFERENCE: Bldg. = Barometric

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building East Wall

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: WY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB DELTA

POINT ID: R020

PLANT SPEC POINT DESC.: Rx Building Negative Delta PSI 3S

GENERIC/COND DESC.: Secondary Containment Delta Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: IN H2O

ENGR UNITS CONVERSION: Linear

MINIMUM INSTR RANGE: -2

MAXIMUM INSTR RANGE: +2

ZERO POINT REFERENCE: Bldg = Barometric

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building South Wall

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: RB DELTA P

POINT ID: R021

PLANT SPEC POINT DESC.: Rx Building Negative Delta PSI 4W

GENERIC/COND DESC.: Secondary Containment Delta Pressure

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: IN H2O

ENGR UNITS CONVERSION: Linear

MINIMUM INSTR RANGE: -2

MAXIMUM INSTR RANGE: +2

ZERO POINT REFERENCE: Bldg = Barometric

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Reactor Building West Wall

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: CST Level

POINT ID: C243

PLANT SPEC POINT DESC.: Condensate Storage Tank Level

GENERIC/COND DESC.: Condensate Storage Tank Level

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: %

ENGR UNITS CONVERSION: 1% = 5.124 KGAL

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 100

ZERO POINT REFERENCE: _____

REFERENCE POINT NOTES: HPCI/RCIC Suction Line

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Condensate Storage Tank

ALARM/TRIP SET POINTS: Lo Alarm 34.1 Hi Alarm = 95.6

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N

LEVEL REFERENCE LEG: Wet

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIND SPEED

POINT ID: C178

PLANT SPEC POINT DESC.: Lower Wind Speed - 15 Min. Avg.

GENERIC/COND DESC.: Wind Speed at the Reactor Site

ANALOG/DIGITAL: A

ENER 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: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Average

SENSOR LOCATIONS: Primary Meteorological Tower

ALARM/TRIP SET POINTS: N/A

NI DETECTOR POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TUFIN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.:

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIN' SPEED

POINT ID: C179

PLANT SPEC POINT DESC.: Upper Wind Speed - 15 Min Avg.

GENERIC/COND DESC.: Wind Speed at the Reactor Site

ANALOG/DIGITAL: A

ENER 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: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Average

SENSOR LOCATIONS: Primary Meteorological 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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIND SPEED

POINT ID: C184

PLANT SPEC POINT DESC.: Backup Wind Speed 100 Ft. El. - 15 Min. Avg.

GENERIC/COND DESC.: Wind Speed at the Reactor Site

ANALOG/DIGITAL: A

ENER 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: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Average

SENSOR LOCATIONS: Backup Meteorological 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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIND DIR

POINT ID: C188

PLANT SPEC POINT DESC.: Backup Wind Direction - 15 Min. Vec. Avg.

GENERIC/COND DESC.: Wind Direction at the Reactor Site

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Degrees From

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 300

ZERO POINT REFERENCE: North

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Vector Average

SENSOR LOCATIONS: Backup Meteorological 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: Variable

TEMPERATURE COMPENSATION

FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIND DIR

POINT ID: C189

PLANT SPEC POINT DESC.: Lower Wind Direction - 15 Min Vector Avg.

GENERIC/COND DESC.: Wind Direction at the Reactor Site

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Degrees From

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 360

ZERO POINT REFERENCE: North

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Vector Average

SENSOR LOCATIONS: Primary Meteorological 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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VV DATA FEEDER: ERFIS

NRC ERDS PARAMETER: WIND DIR

POINT ID: C190

PLANT SPEC POINT DESC.: Upper Wind Director - 15 Min Vector Avg.

GENERIC/COND DESC.: Wind Direction at the Reactor Site

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Degrees From

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: 0

MAXIMUM INSTR RANGE: 360

ZERO POINT REFERENCE: North

REFERENCE POINT NOTES: N/A

PROC OR SENS: P

NUMBER OF SENSORS: 1

HOW PROCESSED: 15 Minute Vector Average

SENSOR LOCATIONS: Primary Meteorological 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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: _____

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: STAB CLASS

POINT ID: U000

PLANT SPEC POINT DESC.: Backup Delta Temp 135 Ft. EL

GENERIC/COND DESC.: Air Stability at the Reactor Site

ANALOG/DIGITAL: A

ENER UNITS/DIG STATES: Delta °F

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -5

MAXIMUM INSTR RANGE: 15

ZERO POINT REFERENCE: Temp of Lower Sensor

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: N/A

HOW PROCESSED: N/A

SENSOR LOCATIONS: Backup Meteorological Tower (165 Ft.)

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Extremely Unstable $T < -1.063$; Moderately Unstable $-1.064 < T < -.95$; Slightly Unstable $-.94 < T < -.84$; Neutral $-.83 < T < -.28$; Slightly Stable $-.27 < T < -.84$; Moderately Stable $-.85 < T < 2.04$; Extremely Stable $2.04 < T$ Reference: Reg. Guide 1.23, VY OP5335, VY OP5343.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: STAB CLASS

POINT ID: U009

PLANT SPEC POINT DESC.: Upper Delta Temperature

GENERIC/COND DESC.: Air Stability at the Reactor Site

ANALOG/DIGITAL: A

ENGINEERING UNITS/DIG STATES: Delta °F

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: -5

MAXIMUM INSTR RANGE: 15

ZERO POINT REFERENCE: Temp of Lower Sensor

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: N/A

HOW PROCESSED: N/A

SENSOR LOCATIONS: Primary Meteorological 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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: Extremely Unstable < -2.74; Moderately Unstable -2.73 < T < -2.45; Slightly Unstable
-2.44 < T < -2.16; Neutral -2.15 < T < -0.72; Slightly Stable -0.71 < T < 2.15; Moderately Stable 2.16 < T < 5.74; Extremely
Stable 5.75 < T. Reference: Reg. Guide 1.23, VY OP5335, VY OP 5343.

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEED: ERFIS

NRC ERDS PARAMETER: SRV Pos

POINT ID: D557

PLANT SPEC POINT DESC.: SRV Discharge Pressure A

GENERIC/COND DESC.: Safety Relief Valve Position

ANALOG/DIGITAL: D

ENER UNITS/DIG STATES: Norm/High

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: N/A

MAXIMUM INSTR RANGE: N/A

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Safety Relief Valve A Tail Pipe to Torus

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SRV Pos

POINT ID: D558

PLANT SPEC POINT DESC.: SRV Discharge Pressure B

GENERIC/COND DESC.: Safety Relief Valve Position

ANALOG/DIGITAL: D

ENGR UNITS/DIG STATES: Norm/High

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: N/A

MAXIMUM INSTR RANGE: N/A

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Safety Relief Valve B Tail Pipe to Torus

ALARM/TRIP SET POINTS: N/A

NI DETECTOR: 1 POWER SUPPLY
CUT-OFF POWER LEVEL: N/A

NI DETECTOR POWER SUPPLY
TURN-ON POWER LEVEL: N/A

INSTRUMENT FAILURE MODE: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 8 / 31 / 92 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SRV Pos

POINT ID: D559

PLANT SPEC POINT DESC.: SRV Discharge Pressure C

GENERIC/COND DESC.: Safety Relief Valve Position

ANALOG/DIGITAL: D

ENGR UNITS/DIG STATES: Norm/High

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: N/A

MAXIMUM INSTR RANGE: N/A

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Safety Relief Valve C Tail Pipe to Torus

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A

Enclosure 3 - DATA POINT LIBRARY REFERENCE FILE

DATE: 5 / 21 / 90 REACTOR: VY1 DATA FEEDER: ERFIS

NRC ERDS PARAMETER: SRV Pos

POINT ID: D560

PLANT SPEC POINT DESC.: SRV Discharge Pressure D

GENERIC/COND DESC.: Safety Relief Valve Position

ANALOG/DIGITAL: D

ENER UNITS/DIG STATES: Norm/High

ENGR UNITS CONVERSION: N/A

MINIMUM INSTR RANGE: N/A

MAXIMUM INSTR RANGE: N/A

ZERO POINT REFERENCE: N/A

REFERENCE POINT NOTES: N/A

PROC OR SENS: S

NUMBER OF SENSORS: 1

HOW PROCESSED: N/A

SENSOR LOCATIONS: Safety Relief Valve D Tail Pipe to Torus

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: Variable

TEMPERATURE COMPENSATION
FOR DP TRANSMITTERS: N/A

LEVEL REFERENCE LEG: N/A

UNIQUE SYSTEM DESC.: N/A