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U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555 - 0001

Oyster Creek Generating Station
Facility Operating License No. DPR-16
NRC Docket No. 50-219

Subject: Submittal of Revised Emergency Response Data Library

As part of the installation of a new Oyster Creek Plant Process Computer (PPC), the System Requirements Specification for ERDS, OC-PPC-SRS-0014 was created to control future changes to the ERDS Data Point Library. During its development it was recognized that several Alarm/Trip setpoints have been revised in the past, but not updated in the ERDS Data Point Library. The enclosed submittal is a revised copy of OC-PPC-SRS-0014 in its entirety to replace the existing document, VM-PC-1150, Appendix I-16.

There are no changes to the ERDS hardware or software associated with this submittal and the revised Alarm/Trip Setpoints are updated for reference only to the user of ERDS. No revision bars are used since this is major revision to entirely replace the existing ERDS Data Point Library document.

If any further information or assistance is needed, please contact David Fawcett at 609-971-4284.

Sincerely,

C. N. Swenson
Vice President, Oyster Creek Generating Station

CNS/DIF
Enclosure: OC-PPC-SRS-0014, Rev. 4

cc: S. J. Collins, Administrator, USNRC Region I
P. S. Tam, USNRC Project Manager, Oyster Creek
R. J. Summers, USNRC Senior Resident Inspector, Oyster Creek
K. Tosch, Chief NJDEP Bureau of Nuclear Engineering
File No. 05012

A026

A026

System Requirements Specification

For the

Oyster Creek

Emergency Response Data System (ERDS)

Document # OC-PPC-SRS-0014

Prepared By: Ashok K. Syngal Date: 6/25/2005

Owner Approval: [signature] Date: 7/8/05

Emergency Preparedness: M.P. [signature] Date: 7/8/05

REVISION HISTORY

REVISION NUMBER	REVISION DATE	SECTION NUMBER	REASON FOR REVISION
0	06/12/2003	All	Initial release for new Scientech system
1	05/15/2004	Appendix C	Change for Points LT35 and APRMPWR updated for changes already implemented to the Data Point Library
2	10/28/2004	Table 1 Appendix C	Change point IDs for HB-MWTH, HB-FWFLO, HB-RCFLO, and DT150 to HB_MWTH, HB_FWFLO, HB_RCLFO, and DT150A to match new R*TIME database point names.
3	12/21/2004	Appendix C	Change for Point APRMPWR updated for changes already implemented to the Data Point Library. Updated Figure 1 with actual ERDS display.
4	06/25/2005	Table 1 Appendix C	Update Administrative changes for ERDS Reference ECR-05-00205 'ERDS Changes' **NOTE:** Revision 4 is the baseline SRS document for the ERDS application, as issued with ECR-03-0538, "OC PPC Replacement Project".

Table of Contents

1.0 PURPOSE

This document identifies the functional requirements for the Emergency Response Data System (ERDS) link to the Nuclear Regulatory Commission (NRC). Note that most of the requirements here have originated from the NRC in an effort to produce a nationally standard ERDS.

2.0 REFERENCES

None

3.0 DEFINITIONS

3.1 CTS – "Clear-to-Send"
3.2 DSR – "Data Set Ready"
3.3 DTR – "Data Terminal Ready"
3.4 NRC – Nuclear Regulatory Commission
3.5 RTS – "Ready-to-Send"

4.0 FUNCTIONAL REQUIREMENTS

Hardware / Communication Protocols

4.1 The hardware required for ERDS consists of a dedicated phone line and modem.

4.2 The data link transfer data rate shall be 2400 bps.

4.3 Communication protocol shall be XON/XOFF and full RS232 handshaking (RTS/CTS, DSR/DTR).

4.4 The communication parameters shall consist of 8 data bits, 1 stop bit, and no parity.

Software - General Requirements

4.5 Once activated, the ERDS data link supplies the NRC with plant specific parameters every 15 seconds.

4.6 The ERDS is used to monitor the values of the passed parameters as well as provide control functions for initiating, reconnecting, and terminating the ERDS link.

4.7 The status of the ERDS modem and link shall be monitored and reported on the ERDS display. The ERDS link status shall be written to database point ERDL-1.

ERDS Display

4.8 The ERDS display is used to control the data link, and provide point value, quality and link status information for use by the ERDS user. The ERDS control functions shall be accessible to users who have the appropriate security level.

4.9 The ERDS display shall convey, as a minimum, current ERDS system status (Active or Inactive), Modem Status (Connect, Disconnect, or Fail), and Link Status (Run, Idle, or Fail).

4.10 The ERDS display provides function areas to Initiate, Reconnect, and Terminate the ERDS link to the NRC.

4.11 The INITIATE command is used to activate the ERDS data link. When selected, the ERDS status is changed from INACTIVE to ACTIVE. Modem and link statuses are determined based upon the ability to connect and transfer data. The following statuses are supported:

Status	Color
Not Connected	Green
Dialing Modem	Rose
Connecting	Rose
Initiate Link	Rose
Reconnecting	Rose
Link Accepted	Red
Link Active	Red
NRC Link Suspend	Yellow
NRC Terminate Link	Yellow
NRC Link Denied	Reverse Yellow (Yellow on Black)
Application Error	Reverse Yellow
Phone Line Lost	Reverse Magenta (Magenta on Black)
Phone Busy	Reverse Magenta
Phone No Answer	Reverse Magenta
Phone No Dial Tone	Reverse Magenta

4.12 The RECONNECT command is used to reestablish the ERDS link in the event of an abnormal termination during an incident. Modem and link statuses shall be updated accordingly after the reconnect command is serviced.

4.13 The TERMINATE command is used to sever the ERDS link at the completion of the initiating incident. Upon termination, the modem connection shall be severed.

4.14 The parameter/status display shall be used to monitor the value and quality of the points being sent to the NRC as well as the modem status, link status, and ERDS status. The ERDS display shall be a one-page display (see Figure 1 for an example layout).

4.15 The ERDS display shall be updated every 15 seconds with values and qualities from the database.

ERDS Data Link

4.16 The NRC has defined the ERDS data link requirements. The following sections (4.17 through 4.37) summarize these requirements. The following commands are sent to the NRC across the ERDS link when appropriate in the format shown:

OY1*LINK*MM/DD/YY/HH:MM:SS\<CR>
OY1*RECONNECT*MM/DD/YY/HH:MM:SS\<CR>
OY1*TERMINATE\<CR>

4.17 The following responses are sent from the NRC across the ERDS link in the format shown and must be responded to:

OY1*ACCEPTED\<CR>
OY1*DENIED\<CR>
OY1*INITIATE\<CR>

4.18 Data packets consist of three portions: the header, point data, and trailer. The header format is as follows:

OY1*MM/DD/YY/hh:mm:ss\

Where:

MM is the current month
DD is the current day
YY is the current year
hh is the current hour
mm is the current minute
ss is the current seconds

4.19 The point data format is repeated for each of the points listed in Table 1 and is formatted as follows:

PPPPPPP*VVVVVVVVVVVVV*Q*...\

Where:

P is 1 to 8 character point ID
V is the 14-character value in E14.7 format
Q* is the one character quality or alarm state
\ is the end of data designator placed after the last point

* The alarm state sent only if point is in alarm and the quality is good (see Section 4.37)

4.20 The trailer consists of a 10 character, left justified, zero filled integer checksum in the following format:

NNNNNNNNNN\<CR>

4.21 The checksum is calculated by adding each byte of the transmission up to and including the \ character following the point data.

4.22 The Data Point Library defines the point characteristics of the database points sent across the ERDS link. A copy of the information for the required database points contained in the ERDS Data Point Library is shown in Table 1.

4.23 The ERDS link is established when the ERDS is activated through use of the initiate command. When activated, the following command is sent to the NRC:

OY1*LINK*MM/DD/YY/HH:MM:SS\<CR>

4.24 The link then awaits a response to the LINK command from the NRC. The possible responses are:

OY1*ACCEPTED\<CR> or
OY1*DENIED\<CR>

4.25 If DENIED, the link attempts to initiate once a minute for the next five minutes. The phone line shall stay connected and waiting for the user to issue the next command.

4.26 Once ACCEPTED, the link awaits the following command before beginning transmission of data packets:

OY1*INITIATE\<CR>

4.27 If INITIATE is not received within one minute of the ACCEPTED command, the link is reinitiated starting with the LINK command.

4.28 Upon receipt of the INITIATE command, data packets are sent every 15 seconds until termination (either normal or abnormal).

4.29 Upon the abnormal termination of the link, if the incident is still in progress, the RECONNECT command is used to reestablish communications. The following command is sent to the NRC upon user request:

OY1*RECONNECT*MM/DD/YY/HH:MM:SS\<CR>

4.30 The link awaits a response to the RECONNECT from the NRC. The possible responses are:

OY1*ACCEPTED\<CR> or
OY1*DENIED\<CR>

4.31 If DENIED, the modem is disconnected and the INITIATE function is attempted.

4.32 Once accepted, the link awaits the following command before again sending data packets:

OY1*INITIATE\<CR>

4.33 If INITIATE is not returned within one minute, the link attempts to initiate once a minute for the next five minutes. The phone line shall stay connected and waiting for the next command.

4.34 Upon receipt of the INITIATE command, data packets are again sent every 15 seconds until termination (either normal or abnormal).

4.35 Once the incident is over, the following command is issued to discontinue transmission and disconnect the modem:

OY1*TERMINATE\<CR>

4.36 The following table maps the Oyster Creek quality indications with the quality indication expected by the ERDS system. The ERDS shall translate quality indications as per this table.

ERDS Quality Mapping

PCS QUALITY	ERDS QUALITY	NUMBER SENT
GOOD	GOOD	0
ENTERED	ENTERED	5
QUESTIONABLE	SUSPECT	2
DELETED	OFF-SCAN	1
BAD	BAD	3
FAILED	OFF-SCAN	1
N/A	UNKNOWN	4

4.37 The following table maps the Oyster Creek alarm indications with the alarm indication expected by the ERDS system. The ERDS shall translate alarm indications as per this table. Alarm indications are only used if the quality of the point is good. If the quality of the point is other than good, then the quality code shall have precedence over any alarm indication for purposes of data transmission to the NRC.

ERDS Alarm Status Mapping

PCS ALARM	ERDS ALARM	NUMBER SENT
HI-HI-HI	HI	6
HI-HI	HI	6
HI	HI	6
LO	LO	7
LO-LO	LO	7
LO-LO-LO	LO	7

Figure 1
ERDS Display

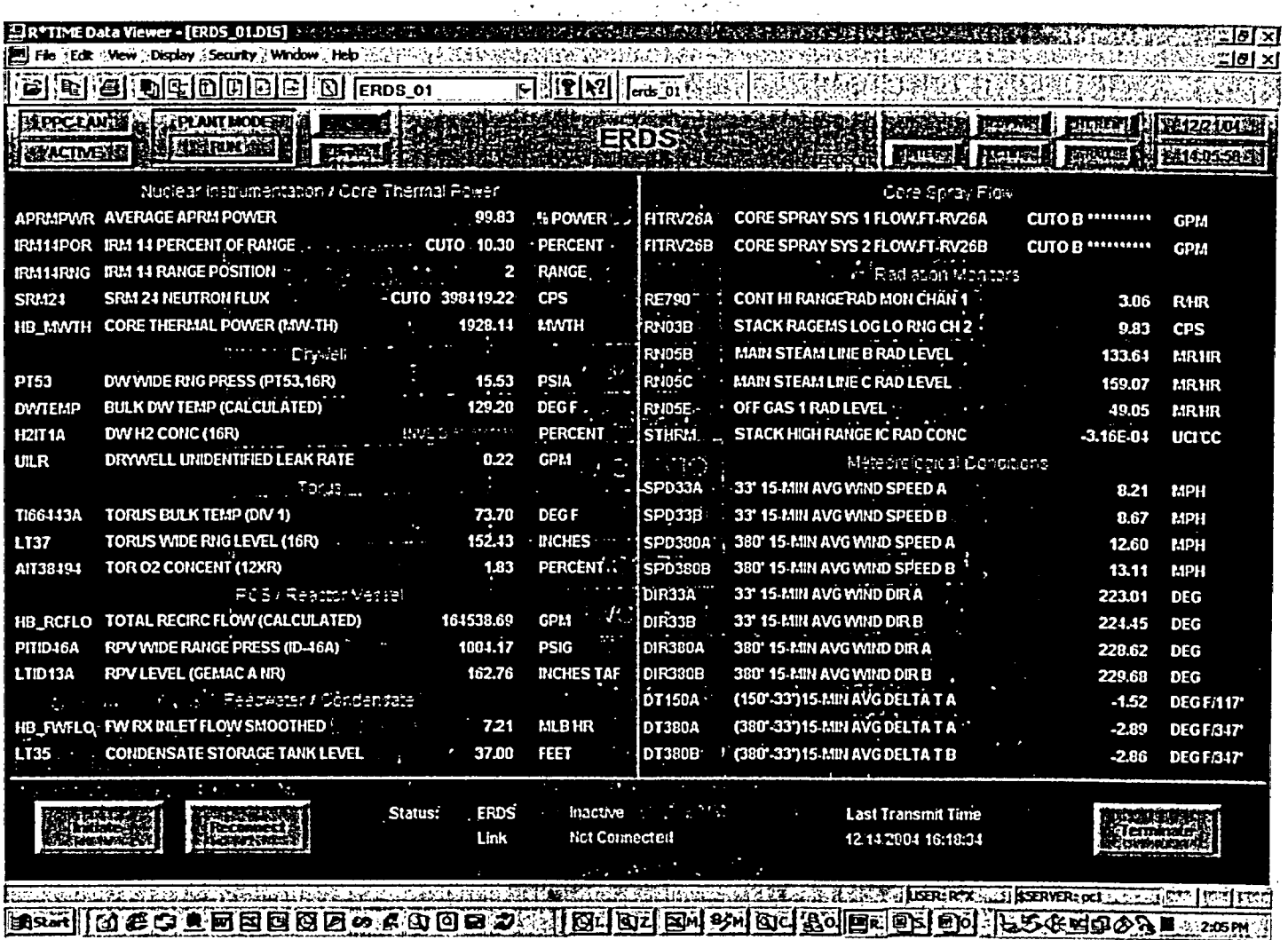

TABLE 1
ERDS Data Points

Point ID	Description
AIT38494	TOR O2 CONCENT (12XR)
APRMPWR	AVERAGE APRM POWER
DWTEMP	BULK DW TEMP (CALCULATED)
FITRV26A	CORE SPRAY SYS 1 FLOW, FT-RV26A
FITRV26B	CORE SPRAY SYS 2 FLOW, FT-RV26B
HB_MWTH	CORE THERMAL POWER
HB_FWFLO	TOTAL FEEDWATER ELEMENT FLOW SMOOTHED
HB_RCFLO	TOTAL RECIRC FLOW (CALCULATED)
H2IT1A	DW H2 CONC (16R)
IRM14POR	IRM 14 PERCENT OF RANGE
IRM14RNG	IRM 14 RANGE POSITION
LTID13A	RPV LEVEL (GEMAC A NR)
LT35	CONDENSATE STORAGE TANK LEVEL
LT37	TORUS WIDE RNG LEVEL (16R)
PITID46A	RPV WIDE RANGE PRESS (ID-46A)
PT53	DW WIDE RNG PRESS (PT53, 16R)
RE790	HI RANGE RAD MON CHAN 1
RN03B	STACK GAS RAD LEVEL CHAN 2
RN05B	MAIN STEAM LINE B RAD LEVEL
RN05C	MAIN STEAM LINE C RAD LEVEL
RN05E	OFF GAS 1 RAD LEVEL
SRM24	SRM 24 NEUTRON FLUX
TI66443A	TORUS BULK TEMP (DIV 1)
UILR	DRYWELL UNIDENTIFIED LEAK RATE
STHRM	STACK HIGH RANGE IC RAD CONC
SPD33A	33' 15-MIN AVG WIND SPEED A
SPD33B	33' 15- MIN AVG WIND SPEED B
SPD380A	380' 15- MIN AVG WIND SPEED A
SPD380B	380' 15- MIN AVG WIND SPEED B
DIR33A	33' 15-MIN AVG WIND DIR A
DIR33B	33' 15- MIN AVG WIND DIR B
DIR380A	380' 15- MIN AVG WIND DIR A
DIR380B	380' 15- MIN AVG WIND DIR B
DT150A	(150'-33') 15-MIN AVG DELTA T A
DT380A	(380'-33') 15- MIN AVG DELTA T A
DT380B	(380'-33') 15- MIN AVG DELTA T B
SOURCE	DATA SOURCE (i.e. PLANT or SIMULATOR)

Appendix A

ERDS SRD Revision History (PC1150.I16)

The following revision history has been copied from the Encore ERDS SRD document (PC1150.I16):

REVISION HISTORY

REVISION NUMBER	REVISION DATE	PAGE NUMBER	REASON FOR REVISION
3	06-01-93	7,14,32	EP-034 Package, PCS-0153-900829 Replica Tie-In
			EP-034 Package, PCS-0249-930319 Use Rx Inlet Total FW Flow
4	11/09/94	7,33	EP-034 Package, PCS-0280-940819 Add High Range Monitor
5	01/16/95	I-16-7, I-16-34 – I-16-44	EP-034 Package, PCS-0286-940926 Add Weather Data Points
6	**05/25/2000**	**2**	**EP-034 Package, PCS-0410-000510 Display ERDS Values as Asteriks if Bad Quality**

Appendix B

ERDS SAD Revision History (PC1152.A16)

The following revision history has been copied from the Encore ERDS SAD document (PC1152.A16):

REVISION HISTORY
(Starting with Revision 4)

REVISION NUMBER	REVISION DATE	PAGE NUMBER	REASON FOR REVISION
4	07/15/94	A-16-11	PCS-0274-940513
5	03/03/95	A-16-17, A-16-19, A-16-20	PCS-0286-940926
6	06/27/96	3-13,15,20, 22,23	PCS-0331-960229

Appendix C

ERDS Data Point Library

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/18/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	O2 Conc
POINT ID:	AIT38494
PLANT SPEC POINT DESC.:	Tor 02 Concent (12XR)
GENERIC/COND DESC.:	Torus Oxygen Concentration
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Percent
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	10
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Torus
ALARM/TRIP SET POINTS:	3.5%
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	11/16/2004
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NI Power Rng
POINT ID:	APRMPWR
PLANT SPEC POINT DESC.:	Average APRM Power
GENERIC/COND DESC.:	Nuclear Instruments, Power Range
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	% Power
ENGR UNITS CONVERSION:	Calculated
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	150
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	8
HOW PROCESSED:	Average of 8 APRM signals
SENSOR LOCATIONS:	Rx Core (2 per quadrant of reactor core)
ALARM/TRIP SET POINTS:	$(1.47 \times 10^{-6})W + 20.8$ for recirculation flow ≤ 48% rated, $(0.95 \times 10^{-6})W + 60.0$ for recirculation flow ≥ 48% rated, = 117.95 for recirculation flow ≥ 100%
UNIQUE SYSTEM DESC.:	

*W = CORE FLOW IN LBM/HR

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	DW Temp
POINT ID:	DWTEMP
PLANT SPEC POINT DESC.:	Bulk DW Temp (Calculated)
GENERIC/COND DESC.:	Drywell Temperature
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Deg. F
ENGR UNITS CONVERSION:	Sensors are thermocouple type T
MINIMUM INSTR RANGE:	-190
MAXIMUM INSTR RANGE:	750
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	18
HOW PROCESSED:	Weighted Average
SENSOR LOCATIONS:	Throughout drywell
ALARM/TRIP SET POINTS:	150° F
UNIQUE SYSTEM DESC.:	If alarm is exceeded, enter proc. EMG-3200.02, "Primary Containment Control," and conduct an orderly plant shutdown in accordance to Proc. 203. If drywell temp can be reduced below 150°F, normal plant operation may be resumed.

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/18/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	LPCI Flow
POINT ID:	FITRV26A
PLANT SPEC POINT DESC.:	Core Spray Sys 1 Flow, FT-RV26A
GENERIC/COND DESC.:	Low Pressure Coolant Injection Flow
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	GPM
ENGR UNITS CONVERSION:	Linear
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:	Discharge of core spray sys I booster pumps
ALARM/TRIP SET POINTS:	None
UNIQUE SYSTEM DESC.:	Provides indication of rate of emergency core cooling flow from core spray system I into the reactor vessel.

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/18/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	LPCI Flow
POINT ID:	FITRV26B
PLANT SPEC POINT DESC.:	Core Spray Sys 2 Flow, FT-RV26B
GENERIC/COND DESC.:	Low Pressure Coolant Injection Flow
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	GPM
ENGR UNITS CONVERSION:	Linear
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:	Discharge of core spray sys II booster pumps
ALARM/TRIP SET POINTS:	None
UNIQUE SYSTEM DESC.:	Provides indication of rate of emergency core cooling flow from core spray system II into the reactor vessel.

DATA POINT LIBRARY REFERENCE FILE

DATE:	10/28/2004
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NL
POINT ID:	HB_MWTH
PLANT SPEC POINT DESC.:	Core Thermal Power
GENERIC/COND DESC.:	Core Thermal Power
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MWT
ENGR UNITS CONVERSION:	Calculated
MINIMUM INSTR RANGE:	N/A
MAXIMUM INSTR RANGE:	N/A
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	N/A
NUMBER OF SENSORS:	11
HOW PROCESSED:	Calculated
SENSOR LOCATIONS:	N/A
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Calculation of steady state thermal power based primarily on feedwater flow.

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Main FD Flow
POINT ID:	HB_FWFLO
PLANT SPEC POINT DESC.:	Total Feedwater Element Flow Smoothed
GENERIC/COND DESC.:	Feedwater Flow into the Reactor System
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	LB/HR
ENGR UNITS CONVERSION:	Square Root
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	8,000,000. lbs/hr
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	60 second average
SENSOR LOCATIONS:	Downstream of the feedwater strings header and upstream of the reactor
ALARM/TRIP SET POINTS:	None
UNIQUE SYSTEM DESC.:	This signal is independent of the feedwater control system.

DATA POINT LIBRARY REFERENCE FILE

DATE:	10/28/2004
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	RCIC Flow
POINT ID:	HB_RCFLO
PLANT SPEC POINT DESC.:	Total Recirc Flow (calculated)
GENERIC/COND DESC.:	Reactor Core Isolation Cooling Flow
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	GPM
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	200000.0
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	5
HOW PROCESSED:	Add
SENSOR LOCATIONS:	Downstream of recirc loop discharge valves
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Total recirc flow signal is also provided to the APRM flow bias unit in the neutron monitoring system.

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	H2 Conc
POINT ID:	H2IT1A
PLANT SPEC POINT DESC.:	DW H2 Conc (16R)
GENERIC/COND DESC.:	Drywell Hydrogen Concentration
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Percent
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	10
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 51 ft
ALARM/TRIP SET POINTS:	1.5%
UNIQUE SYSTEM DESC.:	If alarm setpoint is exceeded enter proc. EMG-3200.02, "Primary Containment Control"..

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NI Inter Rng
POINT ID:	IRM14POR
PLANT SPEC POINT DESC.:	IRM 14 percent of range
GENERIC/COND DESC.:	Nuclear Instruments, Intermediate Range
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	% Power
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	40
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Control Room panel 4F IRM 14
ALARM/TRIP SET POINTS:	Reactor scram at 38/40 or 118/125
UNIQUE SYSTEM DESC.:	Provides core neutron level indication in conjunction with IRM range. Two Scales: 0-40, 0-125

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NI Inter Rng
POINT ID:	IRM14RNG
PLANT SPEC POINT DESC.:	IRM 14 Range Position
GENERIC/COND DESC.:	Nuclear Instruments, Intermediate Range
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Range
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	1
MAXIMUM INSTR RANGE:	10
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	10
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Control Room Panel 4F
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	IRM14POR indicates percent of selected range. Ranges are defined as follows: Range 1 = .0001 - .00125%, Range 2 = .0001 - .004%, Range 3 = .001 - .0125%, Range 4 = .001 - .04%, Range 5 = .01 - .125%, Range 6 = .01 - .4%, Range 7 = .1 - 1.25%, Range 8 = .1 - 4%, Range 9 = 1 - 12.5%, Range 10 = 1 - 40%

DATA POINT LIBRARY REFERENCE FILE

DATE:	11/02/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Reac Ves Lev
POINT ID:	LTID13A
PLANT SPEC POINT DESC.:	RPV Level (GEMAC A NR)
GENERIC/COND DESC.:	Reactor Vessel Water Level
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Inches TAF
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	90
MAXIMUM INSTR RANGE:	186
ZERO POINT REFERENCE:	TAF
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	N/A
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Instrument Rack RK01 (Rx Bld 75 ft elev)
ALARM/TRIP SET POINTS:	High 170 Low 146
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	05/15/2004
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	CST Level
POINT ID:	LT35
PLANT SPEC POINT DESC.:	Condensate Storage Tank Level
GENERIC/COND DESC.:	Condensate Storage Tank Level
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Feet
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0.5
MAXIMUM INSTR RANGE:	45
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	6 inches from the Base of condensate storage tank
ALARM/TRIP SET POINTS:	High 41.6 Feet Low 29.4 Feet
UNIQUE SYSTEM DESC.:	Condensate storage tank capacity 525000 gal. Approx = 12000 gal/foot

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/18/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	SP Level
POINT ID:	LT37
PLANT SPEC POINT DESC.:	Torus Wide Rng Level (16R)
GENERIC/COND DESC.:	Suppression Pool Water Level
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Inches
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	10
MAXIMUM INSTR RANGE:	360
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Torus
ALARM/TRIP SET POINTS:	Narrow range level transmitter alarm setpoints are low 143.8 / high 153.1.
UNIQUE SYSTEM DESC.:	If level cannot be maintained between the alarm setpoints enter Proc. EMG 3200.02, "Primary Containment Control" (SBEOP).

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	RCS Pressure
POINT ID:	PITID46A
PLANT SPEC POINT DESC.:	RPV Wide Range Press (ID-46A)
GENERIC/COND DESC.:	Reactor Coolant System Pressure
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	PSIG
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	1600
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Pressure tap on main steam header
ALARM/TRIP SET POINTS:	1030 PSIG (Alarm) / 1045 PSIG (Scram)
UNIQUE SYSTEM DESC.:	Indicates reactor coolant system pressure 0-1600 psig. The normal operating pressure is approximately 1020 psig.

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/18/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	DW Press
POINT ID:	PT53
PLANT SPEC POINT DESC.:	DW Wide Rng Press (PT53, 16R)
GENERIC/COND DESC.:	Drywell Pressure
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	PSIA
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	260
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:	
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	DW RAD
POINT ID:	RE790
PLANT SPEC POINT DESC.:	Hi Range Rad Mon Chan 1
GENERIC/COND DESC.:	Radiation Level in the Drywell
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	R/HR
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	1
MAXIMUM INSTR RANGE:	10000000
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Inside drywell 40 ft elevation northwest
ALARM/TRIP SET POINTS:	30 R/hr alert 45 R/hr high
UNIQUE SYSTEM DESC.:	High level causes torus and drywell vent and purge valves to isolate.

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Eff Gas Rad
POINT ID:	RN03B
PLANT SPEC POINT DESC.:	Stack Gas Rad Level Chan 2
GENERIC/COND DESC.:	Radioactivity of Released Gasses
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPS
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	10
MAXIMUM INSTR RANGE:	10000
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Stack RAGEMS
ALARM/TRIP SET POINTS:	1000 cps (Hi Radiation)/ 2000 cps (Hi-Hi Radiation)
UNIQUE SYSTEM DESC.:	Stack RAGEMS Low Range Monitor Channel 2.

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Mn Steam Rad
POINT ID:	RN05B
PLANT SPEC POINT DESC.:	Main Steam Line B Rad Level
GENERIC/COND DESC.:	Radiation of the Main Steam Line
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MR/HR
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	1
MAXIMUM INSTR RANGE:	1000000
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Trunnion room
ALARM/TRIP SET POINTS:	550 mr/hr (Alarm only, No Scram)
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Mn Steam Rad
POINT ID:	RN05C
PLANT SPEC POINT DESC.:	Main Steam Line C Rad Level
GENERIC/COND DESC.:	Radiation of the Main Steam Line
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MR/HR
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	1
MAXIMUM INSTR RANGE:	1000000
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Trunnion room
ALARM/TRIP SET POINTS:	550 mr/hr (Alarm only, No Scram).
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	CND A/E Rad
POINT ID:	RN05E
PLANT SPEC POINT DESC.:	Off Gas 1 Rad Level
GENERIC/COND DESC.:	Condenser Air Ejector Radioactivity
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MR/HR
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	1
MAXIMUM INSTR RANGE:	1000000
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Control Room Panel 1R
ALARM/TRIP SET POINTS:	700 mr/hr (Hi Radiation)/ 1000 mr/hr (Hi-Hi Radiation)
UNIQUE SYSTEM DESC.:	

DATA POINT LIBRARY REFERENCE FILE

DATE:	07/17/89
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NI Source Rng
POINT ID:	SRM24
PLANT SPEC POINT DESC.:	SRM 24 Neutron Flux
GENERIC/COND DESC.:	Nuclear Instruments, Source Range
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	CPS
ENGR UNITS CONVERSION:	Exponential
MINIMUM INSTR RANGE:	0.1
MAXIMUM INSTR RANGE:	10000000.0
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	SRM 24
ALARM/TRIP SET POINTS:	High high 5 X 10^5 cps high 1 X 10^5 cps low 0.5 cps
UNIQUE SYSTEM DESC.:	monitor and record neutron flux levels and monitor reactor period (10^{-10} to 3 X 10^{-3} % of rated power) generate trip signals to block rod withdrawal when alarm setpoint is reached or when instrumentation is degraded. SRM generates trip signal to scram reactor when refueling non coincidence jumpers are removed.

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	SP Temp
POINT ID:	TI66443A
PLANT SPEC POINT DESC.:	Torus Bulk Temp (Div 1)
GENERIC/COND DESC.:	Suppression Pool Temperature
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Deg. F
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	40
MAXIMUM INSTR RANGE:	240
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Torus
ALARM/TRIP SET POINTS:	90° F High and 106° F High High
UNIQUE SYSTEM DESC.:	When temperature reaches 95° F, enter procedure EMG-3200.02, "Primary Containment Control" (SBEOP).

DATA POINT LIBRARY REFERENCE FILE

DATE:	06/24/05
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	NL
POINT ID:	UILR
PLANT SPEC POINT DESC.:	Drywell Unidentified Leak Rate
GENERIC/COND DESC.:	Drywell Unidentified Leak Rate
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	GPM
ENGR UNITS CONVERSION:	Linear
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	10
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 floor drain sump level integrator transmitter
ALARM/TRIP SET POINTS:	5
UNIQUE SYSTEM DESC.:	Provides indication of drywell, floor drain sump level change, which is an indication of unidentified leak rate from fluid systems in the drywell. The 5 gpm setpoint is approximate based on less than 20 minutes between pump stop and subsequent start on high level

DATA POINT LIBRARY REFERENCE FILE

DATE:	03/24/93
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	N/A
POINT ID:	SOURCE
PLANT SPEC POINT DESC.:	ERDS DATA SOURCE
GENERIC/COND DESC.:	N/A
ANALOG/DIGITAL:	D
ENGR UNITS/DIG STATES:	0 = PLANT DATA, 1 = SIMULATOR DATA
ENGR UNITS CONVERSION:	N/A
MINIMUM INSTR RANGE:	0
MAXIMUM INSTR RANGE:	1
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	P
NUMBER OF SENSORS:	0
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	N/A
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	N/A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11/09/94
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Eff Gas Rad
POINT ID:	STHRM
PLANT SPEC POINT DESC.:	Stack High Range IC Rad Conc
GENERIC/COND DESC.:	High Range Radioactivity of Released Gasses
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Uci/cc
ENGR UNITS CONVERSION:	pico amps to Uci/cc for Xe 133
MINIMUM INSTR RANGE:	.1
MAXIMUM INSTR RANGE:	127
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Stack RAGEMS
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Stack RAGEMS High Range Monitor

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Speed
POINT ID:	SPD33A
PLANT SPEC POINT DESC:	33' 15-Min Avg Wind Speed A
GENERIC/COND DESC:	Wind Speed at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MPH
ENGR UNITS CONVERSION:	Volts to MPH
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower-SPD33A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Speed
POINT ID:	SPD33B
PLANT SPEC POINT DESC:	33' 15-Min Avg Wind Speed B
GENERIC/COND DESC:	Wind Speed at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MPH
ENGR UNITS CONVERSION:	Volts to MPH
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - SPD33B

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Speed
POINT ID:	SPD380A
PLANT SPEC POINT DESC:	380' 15-Min Avg Wind Speed A
GENERIC/COND DESC:	Wind Speed at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MPH
ENGR UNITS CONVERSION:	Volts to MPH
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - SPD380A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Speed
POINT ID:	SPD380B
PLANT SPEC POINT DESC:	380' 15-Min Avg Wind Speed B
GENERIC/COND DESC:	Wind Speed at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	MPH
ENGR UNITS CONVERSION:	Volts to MPH
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - SPD380B

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Direction
POINT ID:	DIR33A
PLANT SPEC POINT DESC:	33' 15-Min Avg Wind Dir A
GENERIC/COND DESC:	Wind Direction at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees
ENGR UNITS CONVERSION:	Volts to Degrees
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DIR33A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Direction
POINT ID:	DIR33B
PLANT SPEC POINT DESC:	33' 15-Min Avg Wind Dir B
GENERIC/COND DESC:	Wind Direction at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees (0 - 360 - 180 Scale)
ENGR UNITS CONVERSION:	Volts to Degrees
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DIR33B

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Direction
POINT ID:	DIR380A
PLANT SPEC POINT DESC:	380' 15-Min Avg Wind Dir A
GENERIC/COND DESC:	Wind Direction at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees (0 - 360 - 180 Scale)
ENGR UNITS CONVERSION:	Volts to Degrees
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DIR380A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Wind Direction
POINT ID:	DIR380B
PLANT SPEC POINT DESC:	380' 15-Min Avg Wind Dir B
GENERIC/COND DESC:	Wind Direction at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees (0 - 360 - 180 Scale)
ENGR UNITS CONVERSION:	Volts to Degrees
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DIR380B

DATA POINT LIBRARY REFERENCE FILE

DATE:	10/28/2004
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Stab Class
POINT ID:	DT150A
PLANT SPEC POINT DESC:	(150'-33') 15-Min Avg Delta T A
GENERIC/COND DESC:	Air Stability at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees Fahrenheit/117'
ENGR UNITS CONVERSION:	Volts to Degrees/117'
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DT150A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Stab Class
POINT ID:	DT380A
PLANT SPEC POINT DESC:	(380'-33') 15-Min Avg Delta T A
GENERIC/COND DESC:	Air Stability at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees Fahrenheit/347'
ENGR UNITS CONVERSION:	Volts to Degrees/347'
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DT380A

DATA POINT LIBRARY REFERENCE FILE

DATE:	11 Jan 95
REACTOR UNIT:	OY1
DATA FEEDER:	N/A
NRC ERDS PARAMETER:	Stab Class
POINT ID:	DT380B
PLANT SPEC POINT DESC:	(380'-33') 15-Min Avg Delta T B
GENERIC/COND DESC:	Air Stability at the Reactor Site
ANALOG/DIGITAL:	A
ENGR UNITS/DIG STATES:	Degrees Fahrenheit/347'
ENGR UNITS CONVERSION:	Volts to Degrees/347'
MINIMUM INSTR RANGE:	0 Volts
MAXIMUM INSTR RANGE:	5 Volts
ZERO POINT REFERENCE:	N/A
REFERENCE POINT NOTES:	N/A
PROC OR SENS:	S
NUMBER OF SENSORS:	1
HOW PROCESSED:	N/A
SENSOR LOCATIONS:	Forked River Meteorological Tower
ALARM/TRIP SET POINTS:	N/A
UNIQUE SYSTEM DESC.:	Forked River Meteorological Tower - DT380B