CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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AUTH.NAME AUTHOR AFFILIATION
KRAINIK,A.K. Arizona Public Service Co. (formerly Arizona Nuclear Power
RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Forwards Emergency Response Data Sys Data Point Library update.

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CATEGORY 1 DOCUMENT

MA2

Arizona Public Service Company
PALO VERDE NUCLEAR GENERATING STATION
P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

102-03869- AKK/JRP
February 17, 1997

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-37
Washington, DC 20555-0001

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
ERDS Data Point Library Update

Pursuant to 10 CFR Part 50 Appendix E, Section VI.3.a, enclosed please find a copy of the Emergency Response Data System (ERDS) Data Point Library Update. PVNGS recently changed the ERDS database engine from DB3 to ACCESS and in the process performed an internal audit to compare the database with the on-line system. The differences that were found have been identified on the enclosed update by means of a cloud around the change. The changes noted are minor changes to the site and setpoint descriptions.

There is no other impact to the operation or structure of the ERDS program. Should you have any questions please call Scott A. Bauer at (602) 393- 5978.

Sincerely,

Angela K. Krainik

AKK/JRP/rlh

Enclosure

A026

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ENCLOSURE
ERDS DATA POINT LIBRARY UPDATE

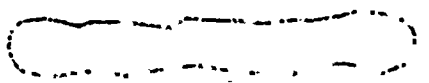
ATTACHMENT A UNIT 1

ERDS DATA POINT LIBRARY
UNIT 1

PALO VERDE UNIT 1 ERDS DPL

07-Jan-97

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	NI POWER RNG
POINT_ID:	SPDS0013
SITE_DESC:	RX POWER LOG/LIN RANGE
ERDS_DESC:	RX POWER LOG/LINEAR RANGE
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	EXCORE 3-VERT. SECTION FISSION CHAMBERS
SET_INFO:	HI-HI = 1E5 M 3-7, 110 M 1-2.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV): HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LINEAR CALIBRATED
SYS_DESC2:	INPUTS WHEN POWER >10%, FROM 4 LOG RANGE INPUTS 10%<PWR<1E-5
SYS_DESC3:	AND 4 LOG RANGE PLUS 2 STARTUP RANGE INPUTS BELOW 1E-5% PWR.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSEANE0001A,1B,1C,1D,1JSENNE0005,6



PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1AA
SITE_DESC:	EX-CORE POWER (LOG RANGE) A
ERDS_DESC:	RX POWER LOG RANGE, CH A
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102, HI-HI = 110%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM, CH A
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSEANE0001A

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1BB
SITE_DESC:	EX-CORE POWR (LOG RANGE) B
ERDS_DESC:	RX POWER LOG RANGE, CH B
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102%; HI-HI = 110%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM CH B
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSEANE0001B

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS1
SITE_DESC:	STARTUP NEUTRON FLUX LVL CH1
ERDS_DESC:	RX POWER STARTUP RANGE, CH 1
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS; HI-HI = 2.5E3.
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSENNE0005

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS2
SITE_DESC:	STARTUP NEUTRON FLUX LVL, CH2
ERDS_DESC:	RX POWER STARTUP RANGE, CH 2
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS; HI-HI = 2.5E3 CPS
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSENNE0006

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 1
POINT_ID:	SPDS0015
SITE_DESC:	RX VESSEL UPPER HEAD LEVEL
ERDS_DESC:	RX VESSEL LEVEL, HEAD
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 2.18 * (.85*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =61 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4-VERT SECTION HJTC
SET_INFO:	LO-LO = 17%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. HEAD VOID (CUFT) = 9.21 * (218 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSHATR00051,1JSHBTR00051

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 2
POINT_ID:	SPDS0016
SITE_DESC:	RX VESSEL OUTLET PLENUM LEVEL
ERDS_DESC:	RX VESSEL LEVEL, OUTLET PLENUM
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 0.57 * (.96*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =4 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4 VERT SECTION HJTC
SET_INFO:	LO-LO = 74%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. PLENUM VOID (CUFT) = 8.71 * (57 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSHATR00052,1JSHBTR00052

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	TEMP CORE EX
POINT_ID:	SPDS0079
SITE_DESC:	REPRESENTATIVE CORE EXIT TEMP
ERDS_DESC:	REPRESENTATIVE CET
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	32
INST_MAX:	2300
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	64
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	TOP OF CORE QUADRANTS
SET_INFO:	HI-HI = 620 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ESTIMATED CORE EXIT TEMPERATURE FROM A CORE HEAT BALANCE, IF
SYS_DESC2:	RCPs ARE RUNNING, OR FROM QUALITY-BASED BEST-VALUE AVERAGE
SYS_DESC3:	OF 61 CET READINGS, IF RCPs ARE STOPPED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSHA/BRIT01 thru 61,SPDS0067,SPDS0068,SPDS0001

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SUB MARGIN
POINT_ID:	SPDS0021
SITE_DESC:	CONTROLLING SUBCOOLING MARGIN
ERDS_DESC:	SUB-COOLED MARGIN
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	-2100
INST_MAX:	+700
ZERO_REF:	at sat
REF_NOTES:	SUPERHEAT YIELDS NEGATIVE MARGINS
SNSR_FLAG:	P
NUM_INPUT:	47
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	31 CETs, 6 T-HOTs and 10 PZR. PRESSURE
SET_INFO:	LO-LO = 24 M 1-4, 35 M 8 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	EVALUATED FROM Conservative Tsat - Maximum Thot
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	SPDS0062,SPDS3001

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/28/94
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CORE FLOW
POINT_ID:	SPDS0194
SITE_DESC:	ESTIMATED CORE FLOW
ERDS_DESC:	TOTAL REACTOR COOLANT FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	-200000
INST_MAX:	470000
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	42
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	-
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 8 RCP DP INPUTS OR
SYS_DESC2:	IF no RCP's running, FROM CORE DELTA-T CALCULATION FROM 10
SYS_DESC3:	FLUX INPUTS, est DECAY HEAT COMPUTATION, 10 PZR PRESSURE
SYS_DESC4:	INPUTS, 6 Thot INPUTS and 8 Tcold INPUTS
SYS_DESC5:	(GPM AT OPERATING TEMP & PRESS)
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 1
POINT_ID:	SPDS0005
SITE_DESC:	SG1 (WR) LVL DENS COMP
ERDS_DESC:	SG-1 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LO-LO=SASA23, LO=25 M 1-4; LOLO=15, LO=25 M8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-1 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU MIN = 2, EU MAX= 13.
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGALT1113A,B,C,D,SPDS0003

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 2
POINT_ID:	SPDS0006
SITE_DESC:	SG2 (WR) LVL DENS COMP
ERDS_DESC:	SG-2 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LOLO=SASA23, LO=25, M 1-4; LOLO=15, LO=25 M8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-2 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU LO = 2, EU HI = 13.
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGALT1123A,B,C,D,SPDS0004

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG PRESS 1
POINT_ID:	SPDS0003
SITE_DESC:	STEAM GENERATOR 1 PRESSURE
ERDS_DESC:	SG-1 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0198; HIHI=1200 M 1-7, 1190 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0198 - LOW SG-1 PRESS VAR STPT, EU LO = 0, EU HI = 1524.
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGAPT1013A,B,C,D

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG PRESS 2
POINT_ID:	SPDS0004
SITE_DESC:	STEAM GENERATOR 2 PRESSURE
ERDS_DESC:	SG-2 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0199; HIHI=1200 M 1-7, 1190 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0199 - LOW SG-2 PRESS VAR STPT; EU LO = 0, EU HI = 1524.
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGAPT1023A,B,C,D

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MN FD FL 1
POINT_ID:	SPDS5035
SITE_DESC:	STM GEN 1 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-1 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGNFT1112

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MN FD FL 2
POINT_ID:	SPDS5036
SITE_DESC:	STM GEN 2 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-2 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSGNFT1122

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	AX FD FL 1
POINT_ID:	SPDS0007
SITE_DESC:	STM GEN 1 AUXILIARY FW FLOW
ERDS_DESC:	SG-1 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JAFAFT0040A,1JAFBFT0041A

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	AX FD FL 2
POINT_ID:	SPDS0008
SITE_DESC:	STM GEN 2 AUXILIARY FW FLOW
ERDS_DESC:	SG-2 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JAFAFT0040B,1JAFBFT0041B

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HL TEMP 1
POINT_ID:	SPDS0017
SITE_DESC:	RCS HOT LEG LOOP 1 TEMPERATURE
ERDS_DESC:	HOT LEG 1 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 1
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCATT0112H1,1JRCBTT0112H2,1JRCNTT0111X

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HL TEMP 2
POINT_ID:	SPDS0018
SITE_DESC:	RCS HOT LEG LOOP 2 TEMPERATURE
ERDS_DESC:	HOT LEG 2 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 2
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCATT0122H1,1JRCBTT0122H2,1JRCNTT0121X

PALO VERDE UNIT 1 ERDS DPL

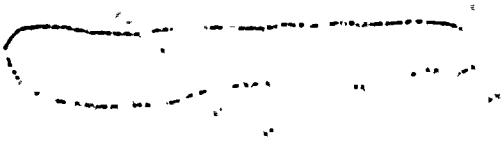
07-Jan-97

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1A
POINT_ID:	SPDS0093
SITE_DESC:	RCS COLD LEG 1A TEMPERATURE
ERDS_DESC:	COLD LEG 1A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW
SNSR_LOC:	~~AT RX VESSEL COLD LEG 1A~~
SET_INFO:	HI-HI = 580, LOLO = 465 M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCATT0112C1,1JRCNTT0111Y

PALO VERDE UNIT 1 ERDS DPL

07-Jan-97

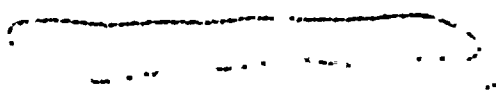
DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1B
POINT_ID:	SPDS0094
SITE_DESC:	RCS COLD LEG 1B TEMPERATURE
ERDS_DESC:	COLD LEG 1B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 1B
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-A DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1RCBTT0112C2,1JRCATT0115,1JSIATT0351Y



PALO VERDE UNIT 1 ERDS DPL

07-Jan-97

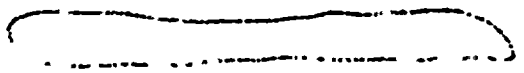
DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2A
POINT_ID:	SPDS0095
SITE_DESC:	RCS COLD LEG 2A TEMPERATURE
ERDS_DESC:	COLD LEG 2A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2A
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-B DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1RCATT0122C1,1RCBTT0125,1JSIBTT0352Y



PALO VERDE UNIT 1 ERDS DPL

07-Jan-97

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2B
POINT_ID:	SPDS0096
SITE_DESC:	RCS COLD LEG 2B TEMPERATURE
ERDS_DESC:	COLD LEG 2B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2B
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCBTT0122C2,1JRCNTT0121Y



PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RCS PRESSURE
POINT_ID:	SPDS0001
SITE_DESC:	RCS PRESSURIZER PRESSURE
ERDS_DESC:	PRESSURIZER PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	PRESSURIZER HEAD REGION
SET_INFO:	LOLO=SPDS0196; HIHI = 2285 PSIA
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	NARROW RANGE INPUTS, 4 WIDE RANGE INPUTS and 4 LOW RANGE
SYS_DESC3:	INPUTS
SYS_DESC4:	SPDS0196 - LOW PZR PRESS VAR STPT; EU LO = 0, EU HI = 3000.
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCAPT0102A,B,C,D,1JRCAPT0103,104,105,106,1JRCNPT0100X,Y

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	PRZR LEVEL
POINT_ID:	SPDS0054
SITE_DESC:	PZR LVL DENS COMP
ERDS_DESC:	PRESSURIZER LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	0 = BOTTOM OF PZR VESSEL
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	FULL INTERNAL HEIGHT OF PZR VESSEL
SET_INFO:	LOLO=SBSA10 M 1-4/15 M8; HIHI=SASA14 M 1-4/65 M8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	HOT-CALIBRATED LEVEL INPUTS and 1 COLD-CALIBRATED INPUT
SYS_DESC3:	VOL (CUFT) = 18. * actual(%)
SYS_DESC4:	TOP OF PRESSURIZER HEATERS IS 20%
SYS_DESC5:	SBSA10 - MIN OPER PZR LEVEL SETPOINT; EU LO = 10, EU HI = 15
SYS_DESC6:	SBSA14 - MAX OPER PZR LVL SETPOINT; EU LO = 70, EU HI = 74.
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRCALT0110X,1JRCBLT0110Y,1JRCNLT0103

PALO VERDE UNIT 1 ERDS DPL

07-Jan-97

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RCS CHG FL
POINT_ID:	SPDS0203
SITE_DESC:	CHARGING FLOW
ERDS_DESC:	PRIMARY SYSTEM CHARGING FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	150
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT CHG PPS DISCH HEADER TO REGEN. HX
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JCHBFT0212

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1A
POINT_ID:	SPDS0217
SITE_DESC:	HPSI FLOW TO RC 1A
ERDS_DESC:	HPSI FLOW TO COLD LEG 1A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIAFT0331

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1B
POINT_ID:	SPDS0218
SITE_DESC:	HPSI FLOW TO RC 1B
ERDS_DESC:	HPSI FLOW TO COLD LEG 1B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIAFT0341

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2A
POINT_ID:	SPDS0219
SITE_DESC:	HPSI FLOW TO RC 2A
ERDS_DESC:	HPSI FLOW TO COLD LEG 2A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIBFT0311

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2B
POINT_ID:	SPDS0220
SITE_DESC:	HPSI FLOW TO RC 2B
ERDS_DESC:	HPSI FLOW TO COLD LEG 2B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIBFT0321

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW A
POINT_ID:	SPDS0215
SITE_DESC:	LPSI PP A HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI A HEADER TO LEGS 1A/1B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIAFT0306

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW B
POINT_ID:	SPDS0216
SITE_DESC:	LPSI PP B HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI B HEADER TO LEGS 2A/2B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIBFT0307

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RX CAV SUMP
POINT_ID:	RDL10
SITE_DESC:	REACTOR CAVITY SUMP LEVEL
ERDS_DESC:	RX CAVITY SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 13.1 * INCHES
INST_MIN:	0
INST_MAX:	55
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	HI = 34 INCHES HI-HI = 37 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRDNLT0010

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 1
POINT_ID:	SIL706
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-A SUMP
ERDS_DESC:	CNMT RECIRC-A LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES -6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIALT0706

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 2
POINT_ID:	SIL707
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-B SUMP
ERDS_DESC:	CNMT RECIRC-B LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES - 6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSIBLT0707

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 3
POINT_ID:	RDL410
SITE_DESC:	CONT RW SUMP (EAST) LEVEL
ERDS_DESC:	E. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO = 11.5 INCHES; HI-HI = 45.5 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRDELT0410

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 4
POINT_ID:	RDL411
SITE_DESC:	CONT RW SUMP (WEST) LEVEL
ERDS_DESC:	W. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO = 11.5 , HI-HI = 45.5; LO = 13.5, HI - 43.5
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JRDELT0411

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 1
POINT_ID:	SPDS0640
SITE_DESC:	RU-143/144, PLANT VENT GAS MONITOR
ERDS_DESC:	PLANT VENT GAS RAD. CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT (176' TURB. BLDG. WEST)
SET_INFO:	HI(ALERT) = 1.34 E-4, HIHI = 6.35 E-4.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-143)
SYS_DESC2:	INPUT, MID-RANGE (RU-144A) and HI-RANGE INPUT (RU-144B)
SYS_DESC3:	(CI/MIN) = CI/CFT * EFF-AGE * SPDS0640
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQNRU0143,144A,144B

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 1
POINT_ID:	CPF42
SITE_DESC:	PLANT VENT STACK EXHAUST FLOW
ERDS_DESC:	PLANT VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1.65E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN PLANT VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 1.23E5 (WHEN "BAD" QUALITY)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JCPNFT0042

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 2
POINT_ID:	SPDS0643
SITE_DESC:	RU-145/146, FUEL BLDG. VENT GAS MONITOR
ERDS_DESC:	FUEL BLDG VENT GAS RAD CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT STACK (176' FUEL BLDG)
SET_INFO:	HI(ALERT) = 4.13E-5, HIHI = 1.56E-3.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-145)
SYS_DESC2:	INPUT, MID-RANGE (RU-146A) and HI-RANGE INPUT (RU-146B)
SYS_DESC3:	CI/MIN = CI/CFT * EFF-AGE * SPDS0643
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0145,146A,146B

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 2
POINT_ID:	HFF93
SITE_DESC:	FUEL BLDG. VENT STACK EXHAUST FLOW
ERDS_DESC:	FUEL BLDG. VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	6.4E4
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN FUEL BLDG VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 4.35E4 [WHEN "BAD" QUALITY]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JHFBFT0093

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0644
SITE_DESC:	RU-148 CNMNT AREA HI-RANGE MONITOR, HCAA
ERDS_DESC:	IN-CNMT AREA MONITOR, CH A
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', ABOVE REFUEL. AREA
SET_INFO:	HI(ALERT) = 1.1E3; HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0644
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0644)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQARU0148

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0645
SITE_DESC:	RU-149 CNMNT AREA HI-RANGE MONITOR, HCAB
ERDS_DESC:	IN-CNMT AREA MONITOR, CH B
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', EAST OF ACCESS DOOR
SET_INFO:	HI(ALERT) = 1.1E3; HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0645
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0645)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0149

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	RCS LTDN RAD
POINT_ID:	SPDS0671
SITE_DESC:	RU-155D, RAD MONITOR AT BORONOMETER
ERDS_DESC:	RAD LEVEL IN LETDOWN LINE
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E1
INST_MAX:	1E8
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER IN BORONOMETER SAMPLE LINE
SET_INFO:	HI(ALERT) = 85. HI-HI = 120.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	NOT VALID READINGS WHEN LETDOWN IS ISOLATED
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0671
SYS_DESC4:	estMON-FAC = 0.203
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQNRU0155D

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0635
SITE_DESC:	RU-139A, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0635 - 1.5).
SYS_DESC5:	estMON-FAC=0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0139A

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0636
SITE_DESC:	RU-139B, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0636 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0139B

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0637
SITE_DESC:	RU-140A, SG-2 STEAM LINE MONITOR, MLSB
ERDS_DESC:	SG-2, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0637 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0140A

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0638
SITE_DESC:	RU-140B, SG-2 STEAM LINE MONITOR, MLSB
ERDS_DESC:	SG-2, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0638 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQBRU0140B

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 1
POINT_ID:	SPDS0606
SITE_DESC:	RU-4, SG-1 BLOWDOWN RAD MONITOR, SGBA
ERDS_DESC:	SG-1 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI(ALERT) = SQR4ALRM, HIHI = SQR4HI
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	SQR4ALRM = EU LO = 1E-6, EU HI = 1E-4.
SYS_DESC3:	SQR4HI = EU LO = 1E-6, EU HI = 5E-4
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQNRU0004

PALO VERDE UNIT 1 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 2
POINT_ID:	SPDS0607
SITE_DESC:	RU-5, SG-2 BLOWDOWN RAD MONITOR, SGBB
ERDS_DESC:	SG-2 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI = SQR5ALRM, HIHI = SQR5HI.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	SQR5ALRM = EU LO = 1E-6, EU HI = 1E-4
SYS_DESC3:	SQR5HI = EU LO = 1E-6, EU HI = 5E-4.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JSQNRU0005

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT PRESS
POINT_ID:	SPDS0002
SITE_DESC:	CONTAINMENT PRESSURE
ERDS_DESC:	CNMNT PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIG
UNITS_CONV:	N/A
INST_MIN:	-5
INST_MAX:	180
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	8
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN CONTAINMENT, 140' LEVEL
SET_INFO:	HI-HI = 2.5 PSIG
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 4
SYS_DESC2:	NARROW RANGE INPUTS, 2 WIDE-RANGE and 2 EXTRA_WR INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JHCAPT0351A,B,C,D,352A,B,353A,B

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	CTMNT TEMP
POINT_ID:	SPDS0009
SITE_DESC:	CONTAINMENT TEMPERATURE
ERDS_DESC:	CNMNT TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	40
INST_MAX:	400
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	HI-HI= 117 DEGF;
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (ON LOSS OF POWER)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 THERMOCOUPLES,
SYS_DESC2:	ONE AT 104', ONE AT 122', ONE AT 125', ONE AT 127' IN
SYS_DESC3:	CONTAINMENT BUILDING
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JHCNTE0042A1,B1,C1,D1

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	H2 CONC
POINT_ID:	SPDS0082
SITE_DESC:	CONTAINMENT HYDROGEN CONCENTRATION
ERDS_DESC:	CNTMNT H2 CONCENTRATION
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10
ZERO_REF:	N/A
REF_NOTES:	NORMALLY NOT IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	SAMPLE TAPS OFF RECOMBINER SUCTION LINE
SET_INFO:	HI-HI = 2.9; HI(ALERT) = 0.7
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A & B INPUTS
SYS_DESC2:	(*) INTENDED FOR POST-LOCA USE
SYS_DESC3:	ACCURATE READINGS AFTER 30 MINs. IN-SERVICE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JHPAAIT0009,1JHPBAIT0010

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	BWST LEVEL
POINT_ID:	SPDS0052
SITE_DESC:	REFUELING WATER TANK LEVEL
ERDS_DESC:	RWT LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	GAL = 7610.4 * (%)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF TANK
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	BOTTOM AND TOP OF TANK
SET_INFO:	LOW-LOW = 73% LOW=87% HIGH=95%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LEVEL INPUTS
SYS_DESC2:	BACKED UP BY SPENT FUEL POOL (352,000 GAL)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	1JCHALT0203A,B,C,D

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	WIND SPEED
POINT_ID:	SPDS0143
SITE_DESC:	MET. TOWER WIND SPEED, 35 FT LEVEL
ERDS_DESC:	WIND SPEED (35', 15 MIN. AVG)
POINT_TYPE:	A
UNITS_TAG:	MPH
UNITS_CONV:	N/A
INST_MIN:	0.5
INST_MAX:	50
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ANOMOMETER AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNST0002

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	WIND DIR
POINT_ID:	SPDS0144
SITE_DESC:	MET TOWER WIND DIRECTION, 35 FT LEVEL
ERDS_DESC:	WIND DIRECTION (35', 15 MIN AVG)
POINT_TYPE:	A
UNITS_TAG:	DEGFR
UNITS_CONV:	DEGFR = DEGREES FROM NORTH
INST_MIN:	0
INST_MAX:	360
ZERO_REF:	(NOTE)
REF_NOTES:	0 DEG = FROM COMPASS NORTH (SECTOR A)
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	WIND VANE AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF VELOCITY-WEIGHTED AVERAGE
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNDT0002,AJRGNST0002

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	STAB CLASS
POINT_ID:	SPDS0146
SITE_DESC:	ATMOSPHERIC STABILITY CLASS
ERDS_DESC:	AIR STABILITY AT SITE
POINT_TYPE:	A
UNITS_TAG:	STABI
UNITS_CONV:	N/A
INST_MIN:	1
INST_MAX:	7
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	MET TOWER AT 35' AND 195' LEVELS
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	CONVERTED TO STAB-CLASS (per TABLE 2, REG. GUIDE 1.23) FROM
SYS_DESC2:	15 MIN. AVERAGES OF WIND SPEED AND TOWER DELTA-T INPUTS
SYS_DESC3:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNTT0002,AJRGNST0002

PALO VERDE UNIT 1 ERDS DPL

13-Nov-96

DATE:	8/6/93
REACTOR:	PV1
DATA_FDR:	0
ERDS_PARM:	SPARE
POINT_ID:	SPDS0109
SITE_DESC:	ELAPSED TIME SINCE REACTOR TRIP
ERDS_DESC:	ELAPSED TIME SINCE REACTOR TRIP
POINT_TYPE:	A
UNITS_TAG:	SEC
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3E7
ZERO_REF:	N/A
REF_NOTES:	(SEE BELOW)
SNSR_FLAG:	P
NUM_INPUT:	5
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	N/A
SET_INFO:	N/A
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	-
TEMP_COMP:	-
REF_LEG:	-
SYS_DESC1:	BEGINS CLOCKING UPON 2 OUT OF 4 REACTOR SWGR OPEN
SYS_DESC2:	[USED IN UNIT CONVERSION OF SOME ERDS RMS PARAMETERS]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	

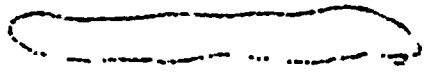
ATTACHMENT B UNIT 2

ERDS DATA POINT LIBRARY
UNIT 2

PALO VERDE UNIT 2 ERDS DPL

07-Jan-97

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	NI POWER RNG
POINT_ID:	SPDS0013
SITE_DESC:	RX POWER LOG/LIN RANGE
ERDS_DESC:	RX POWER LOG/LINEAR RANGE
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	EXCORE 3-VERT. SECTION FISSION CHAMBERS
SET_INFO:	HI-HI = 1E5 M 3-7, 110 M 1-2.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV): HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LINEAR CALIBRATED
SYS_DESC2:	INPUTS WHEN POWER >10%, FROM 4 LOG RANGE INPUTS 10%<PWR<1E-5
SYS_DESC3:	AND 4 LOG RANGE PLUS 2 STARTUP RANGE INPUTS BELOW 1E-5% PWR.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSEANE0001A,1B,1C,1D,2JSENNE0005,6



PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1AA
SITE_DESC:	EX-CORE POWER (LOG RANGE) A
ERDS_DESC:	RX POWER LOG RANGE, CH A
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102, HI-HI = 110%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM, CH A
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSEANE0001A

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1BB
SITE_DESC:	EX-CORE POWER (LOG RANGE) B
ERDS_DESC:	RX POWER LOG RANGE, CH B
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102 %; HI-HI = 110 %
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM CH B
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSEANE0001B

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS1
SITE_DESC:	STARTUP NEUTRON FLUX LVL CH1
ERDS_DESC:	RX POWER STARTUP RANGE, CH 1
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS ; HI-HI = 2.5E3
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSENNE0005

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS2
SITE_DESC:	STARTUP NEUTRON FLUX LVL CH 2
ERDS_DESC:	RX POWER STARTUP RANGE, CH 2
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS; HI-HI = 2.5E3 CPS
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSENNE0006

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 1
POINT_ID:	SPDS0015
SITE_DESC:	RX VESSEL UPPER HEAD LEVEL
ERDS_DESC:	RX VESSEL LEVEL, HEAD
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 2.18 * (.85*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =61 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4-VERT SECTION HJTC
SET_INFO:	LO-LO = 17%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. HEAD VOID (CUFT) = 9.21 * (218 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSHATR00051,2JSHBTR00051

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 2
POINT_ID:	SPDS0016
SITE_DESC:	RX VESSEL OUTLET PLENUM LEVEL
ERDS_DESC:	RX VESSEL LEVEL, OUTLET PLENUM
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 0.57 * (.96*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =4 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4 VERT SECTION HJTC
SET_INFO:	LO-LO = 74%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. PLENUM VOID (CUFT) = 8.71 * (57 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSHATR00052,2JSHBTR00052

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	TEMP CORE EX
POINT_ID:	SPDS0079
SITE_DESC:	REPRESENTATIVE CORE EXIT TEMP
ERDS_DESC:	REPRESENTATIVE CET
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	32
INST_MAX:	2300
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	64
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	TOP OF CORE QUADRANTS
SET_INFO:	HI-HI = 620 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ESTIMATED CORE EXIT TEMPERATURE FROM A CORE HEAT BALANCE, IF
SYS_DESC2:	RCPs ARE RUNNING, OR FROM QUALITY-BASED, BEST-VALUE AVERAGE
SYS_DESC3:	OF 61 CET READINGS, IF RCPs ARE STOPPED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSHA/BRIT01 thru 61,SPDS0067,SPDS0068,SPDS0001

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SUB MARGIN
POINT_ID:	SPDS0021
SITE_DESC:	CONTROLLING SUBCOOLING MARGIN
ERDS_DESC:	SUB-COOLED MARGIN
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	-2100
INST_MAX:	+700
ZERO_REF:	at sat
REF_NOTES:	SUPERHEAT YIELDS NEGATIVE MARGINS
SNSR_FLAG:	P
NUM_INPUT:	16
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	31 CETs, 6 T-HOTs and 10 PZR. PRESSURE
SET_INFO:	LO-LO = 24 M 1-4, 35 M 8 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	EVALUATED FROM Conservative Tsat - Maximum Thot
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	SPDS0062,SPDS3001

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CORE FLOW
POINT_ID:	SPDS0194
SITE_DESC:	ESTIMATED CORE FLOW
ERDS_DESC:	TOTAL REACTOR COOLANT FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	-200000
INST_MAX:	470000
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	42
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	-
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 8 RCP DP INPUTS OR
SYS_DESC2:	IF no RCP's running, FROM CORE DELTA-T CALCULATION FROM 10
SYS_DESC3:	FLUX INPUTS, est DECAY HEAT COMPUTATION, 10 PZR PRESSURE
SYS_DESC4:	INPUTS, 6 Thot INPUTS and 8 Tcold INPUTS
SYS_DESC5:	(GPM AT OPERATING TEMP & PRESS)
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 1
POINT_ID:	SPDS0005
SITE_DESC:	SG1 WR LVL DENS COMP
ERDS_DESC:	SG-1 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LOLO= SASA23, LO=25 M 1-4; LOLO=15, LO=25 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-1 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU MIN = 2, EU MAX = 13
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGALT1113A,B,C,D,SPDS0003

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 2
POINT_ID:	SPDS0006
SITE_DESC:	SG2 WR LVL DENS COMP
ERDS_DESC:	SG-2 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LOLO=SASA23, LO=25, M 1-4; LOLO=15, LO=25 M 8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-2 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU LO = 2, EU HI = 13.
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGALT1123A,B,C,D,SPDS0004

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG PRESS 1
POINT_ID:	SPDS0003
SITE_DESC:	STEAM GENERATOR 1 PRESSURE
ERDS_DESC:	SG-1 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0198; HIHI=1200 M 1-7,1190 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0198 - LOW SG-1 PRESS VAR STPT, EU LO = 0, EU HI = 1524
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGAPT1013A,B,C,D

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG PRESS 2
POINT_ID:	SPDS0004
SITE_DESC:	STEAM GENERATOR 2 PRESSURE
ERDS_DESC:	SG-2 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0199; HIHI=1200 M 1-7,1190 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0199 - LOW SG-2 PRESS VAR STPT; EU LO = 0, EU HI = 1524
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGAPT1023A,B,C,D

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MN FD FL 1
POINT_ID:	SPDS5035
SITE_DESC:	STM GEN 1 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-1 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGNFT1112

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MN FD FL 2
POINT_ID:	SPDS5036
SITE_DESC:	STM GEN 2 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-2 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSGNFT1122

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	AX FD FL 1
POINT_ID:	SPDS0007
SITE_DESC:	STM GEN 1 AUXILIARY FW FLOW
ERDS_DESC:	SG-1 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JAFAFT0040A,2JAFBFT0041A

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	AX FD FL 2
POINT_ID:	SPDS0008
SITE_DESC:	STM GEN 2 AUXILIARY FW FLOW
ERDS_DESC:	SG-2 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JAFAFT0040B,2JAFBFT0041B

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HL TEMP 1
POINT_ID:	SPDS0017
SITE_DESC:	RCS HOT LEG LOOP 1 TEMPERATURE
ERDS_DESC:	HOT LEG 1 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 1
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCATT0112H1,2JRCBTT0112H2,2JRCNTT0111X

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HL TEMP 2
POINT_ID:	SPDS0018
SITE_DESC:	RCS HOT LEG LOOP 2 TEMPERATURE
ERDS_DESC:	HOT LEG 2 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 2
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCATT0122H1,2JRCBTT0122H2,2JRCNTT0121X

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1A
POINT_ID:	SPDS0093
SITE_DESC:	RCS COLD LEG 1A TEMPERATURE
ERDS_DESC:	COLD LEG 1A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW
SNSR_LOC:	AT RX VESSEL COLD LEG 1A
SET_INFO:	HIHI = 580, LOLO = 465 M 1-3 & 7
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCATT0112C1,2JRCNTT0111Y

PALO VERDE UNIT 2 ERDS DPL

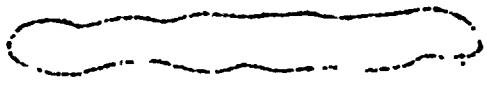
19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1B
POINT_ID:	SPDS0094
SITE_DESC:	RCS COLD LEG 1B TEMPERATURE
ERDS_DESC:	COLD LEG 1B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 1B
SET_INFO:	HIHI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-A DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2RCBTT0112C2,2JRCATT0115,2JSIATT0351Y

PALO VERDE UNIT 2 ERDS DPL

07-Jan-97

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2A
POINT_ID:	SPDS0095
SITE_DESC:	RCS COLD LEG 2A TEMPERATURE
ERDS_DESC:	COLD LEG 2A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2A
SET_INFO:	HIHI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-B DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2RCATT0122C1,2RCBTT0125,2JSIBTT0352Y



PALO VERDE UNIT 2 ERDS DPL

07-Jan-97

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2B
POINT_ID:	SPDS0096
SITE_DESC:	RCS COLD LEG 2B TEMPERATURE
ERDS_DESC:	COLD LEG 2B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2B
SET_INFO:	HIHI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCBTT0122C2,2JRCNTT0121Y

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RCS PRESSURE
POINT_ID:	SPDS0001
SITE_DESC:	RCS PRESSURIZER PRESSURE
ERDS_DESC:	PRESSURIZER PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	PRESSURIZER HEAD REGION
SET_INFO:	LOLO=SPDS0196; HIHI=2285 PSIA
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	NARROW RANGE INPUTS, 4 WIDE RANGE INPUTS and 4 LOW RANGE
SYS_DESC3:	INPUTS
SYS_DESC4:	SPDS0196 = LOW PZR PRESS VAR STPT; EU LO = 0, EU HI = 3000
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCAPT0102A,B,C,D,2JRCAPT0103,104,105,106,2JRCNPT0100X,Y

PALO VERDE UNIT 2 ERDS DPL

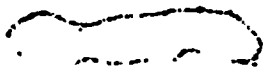
19-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	PRZR LEVEL
POINT_ID:	SPDS0054
SITE_DESC:	PZR LVL DENS COMP
ERDS_DESC:	PRESSURIZER LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	0 = BOTTOM OF PZR VESSEL
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	FULL INTERNAL HEIGHT OF PZR VESSEL
SET_INFO:	LOLO=SBSA10 M 1-4/15 M8; HIHI=SBSA14 M 1-4/65 M8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	HOT-CALIBRATED LEVEL INPUTS and 1 COLD-CALIBRATED INPUT
SYS_DESC3:	VOL (CUFT) = 18. * actual(%)
SYS_DESC4:	TOP OF PRESSURIZER HEATERS IS 20%
SYS_DESC5:	SBSA10 - MIN OPER PZR LEVEL SETPOINT; EU LO = 10, EU HI = 25
SYS_DESC6:	SBSA14 - MAX OPER PZR LVL SETPOINT; EU LO = 70, EU HI = 74.
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRCALT0110X,2JRCBLT0110Y,2JRCNLT0103

PALO VERDE UNIT 2 ERDS DPL

07-Jan-97

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RCS CHG FL
POINT_ID:	SPDS0203
SITE_DESC:	CHARGING FLOW
ERDS_DESC:	PRIMARY SYSTEM CHARGING FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	150
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT CHG PPS DISCH HEADER TO REGEN. HX
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JCHBFT0212



PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1A
POINT_ID:	SPDS0217
SITE_DESC:	HPSI FLOW TO RC 1A
ERDS_DESC:	HPSI FLOW TO COLD LEG 1A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIAFT0331

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1B
POINT_ID:	SPDS0218
SITE_DESC:	HPSI FLOW TO RC 1B
ERDS_DESC:	HPSI FLOW TO COLD LEG 1B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIAFT0341

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2A
POINT_ID:	SPDS0219
SITE_DESC:	HPSI FLOW TO RC 2A
ERDS_DESC:	HPSI FLOW TO COLD LEG 2A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIBFT0311

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2B
POINT_ID:	SPDS0220
SITE_DESC:	HPSI FLOW TO RC 2B
ERDS_DESC:	HPSI FLOW TO COLD LEG 2B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIBFT0321

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW A
POINT_ID:	SPDS0215
SITE_DESC:	LPSI PP A HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI A HEADER TO LEGS 1A/1B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIAFT0306

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW B
POINT_ID:	SPDS0216
SITE_DESC:	LPSI PP B HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI B HEADER TO LEGS 2A/2B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIBFT0307

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RX CAV SUMP
POINT_ID:	RDL10
SITE_DESC:	REACTOR CAVITY SUMP LEVEL
ERDS_DESC:	RX CAVITY SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 13.1 * INCHES
INST_MIN:	0
INST_MAX:	55
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	HI = 34 INCHES HI-HI = 37 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRDNLT0010

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 1
POINT_ID:	SIL706
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-A SUMP
ERDS_DESC:	CNMT RECIRC-A LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES -6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIALT0706

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	8/6/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 2
POINT_ID:	SIL707
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-B SUMP
ERDS_DESC:	CNMT RECIRC-B LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES - 6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSIBLT0707

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 3
POINT_ID:	RDL410
SITE_DESC:	CONT RW SUMP (EAST) LEVEL
ERDS_DESC:	E. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO = 11.5 INCHES; HI-HI = 45.5 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRDELT0410

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 4
POINT_ID:	RDL411
SITE_DESC:	CONT RW SUMP (WEST) LEVEL
ERDS_DESC:	W. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO=11.5 , HI-HI=45.5 ; LO=13.5, HI = 43.5
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JRDELT0411

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 1
POINT_ID:	SPDS0640
SITE_DESC:	RU-143/144, PLANT VENT GAS MONITOR
ERDS_DESC:	PLANT VENT GAS RAD. CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT (176' TURB. BLDG. WEST)
SET_INFO:	HI(ALERT) = 1.34 E-4, HIHI = 6.35 E-4.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-143)
SYS_DESC2:	INPUT, MID-RANGE (RU-144A) and HI-RANGE INPUT (RU-144B)
SYS_DESC3:	(CI/MIN) = CI/CFT * EFF-AGE * SPDS0640
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQNRU0143,144A,144B

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 1
POINT_ID:	CPF42
SITE_DESC:	PLANT VENT STACK EXHAUST FLOW
ERDS_DESC:	PLANT VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1.65E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN PLANT VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 1.23E5 (WHEN "BAD" QUALITY)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JCPNFT0042

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 2
POINT_ID:	SPDS0643
SITE_DESC:	RU - 145/146, FUEL BLDG. VENT GAS MONITOR
ERDS_DESC:	FUEL BLDG VENT GAS RAD CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT STACK (176' FUEL BLDG)
SET_INFO:	HI(ALERT) = 4.13E-5, HIHI = 1.56E-3.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-145)
SYS_DESC2:	INPUT, MID-RANGE (RU-146A) and HI-RANGE INPUT (RU-146B)
SYS_DESC3:	CI/MIN = CI/CFT * EFF-AGE * SPDS0643
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0145,146A,146B

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 2
POINT_ID:	HFF93
SITE_DESC:	FUEL BLDG. VENT STACK EXHAUST FLOW
ERDS_DESC:	FUEL BLDG. VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	6.4E4
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN FUEL BLDG VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 4.35E4 [WHEN "BAD" QUALITY]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JHFBFT0093

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0644
SITE_DESC:	RU-148 CNMNT AREA HI-RANGE MONITOR, HCAA
ERDS_DESC:	IN-CNMT AREA MONITOR, CH A
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', ABOVE REFUEL. AREA
SET_INFO:	HI(ALERT) = 1.1E3 HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0644
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0644)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQARU0148

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0645
SITE_DESC:	RU-149 CNMNT AREA HI-RANGE MONITOR, HCAB
ERDS_DESC:	IN-CNMT AREA MONITOR, CH B
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', EAST OF ACCESS DOOR
SET_INFO:	HI(ALERT) = 1.1E3; HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0645
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0645)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0149

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	RCS LTDN RAD
POINT_ID:	SPDS0671
SITE_DESC:	RU-155D, RAD MONITOR AT BORONOMETER
ERDS_DESC:	RAD LEVEL IN LETDOWN LINE
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E1
INST_MAX:	1E8
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER IN BORONOMETER SAMPLE LINE
SET_INFO:	HI(ALERT) =.85. HI-HI = 120.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	NOT VALID READINGS WHEN LETDOWN IS ISOLATED
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0671
SYS_DESC4:	estMON-FAC = 0.203
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQNRU0155D

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0635
SITE_DESC:	RU-139A, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0635 - 1.5)
SYS_DESC5:	estMON-FAC=0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0139A

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0636
SITE_DESC:	RU-139B, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0636 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0139B

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0637
SITE_DESC:	RU-140A, SG-2 STEAM LINE MONITOR; MLSB
ERDS_DESC:	SG-2, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0637 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0140A

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0638
SITE_DESC:	RU-140B, SG-2 STEAM LINE MONITOR, MLSB
ERDS_DESC:	SG-2, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0638 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQBRU0140B

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 1
POINT_ID:	SPDS0606
SITE_DESC:	RU-4, SG-1 BLOWDOWN RAD MONITOR, SGBA
ERDS_DESC:	SG-1 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI(ALERT) = SQR4ALRM, HIHI = SQR4HI.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE ON INSTRUMENT INPUT
SYS_DESC2:	SQR4ALRM = EU LO = 1E-6, EU HI = 1E-4
SYS_DESC3:	SQR4HI = EU LO = 1E-6, EU HI = 5E-4.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQNRU0004

PALO VERDE UNIT 2 ERDS DPL

19-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 2
POINT_ID:	SPDS0607
SITE_DESC:	RU-5, SG-2 BLOWDOWN RAD MONITOR, SGBB
ERDS_DESC:	SG-2 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI = SQR5ALRM, HIHI = SQR5HI.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	SQR5ALRM = EU LO = 1E-6, EU HI = 1E-4.
SYS_DESC3:	SQR5HI = EU LO = 1E-6, EU HI = 5E-4.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JSQNRU0005

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT PRESS
POINT_ID:	SPDS0002
SITE_DESC:	CONTAINMENT PRESSURE
ERDS_DESC:	CNMNT PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIG
UNITS_CONV:	N/A
INST_MIN:	-5
INST_MAX:	180
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	8
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN CONTAINMENT, 140' LEVEL
SET_INFO:	HI-HI = 2.5 PSIG
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 4
SYS_DESC2:	NARROW RANGE INPUTS, 2 WIDE-RANGE and 2 EXTRA_WR INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JHCAPT0351A,B,C,D,352A,B,353A,B

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	CTMNT TEMP
POINT_ID:	SPDS0009
SITE_DESC:	CONTAINMENT TEMPERATURE
ERDS_DESC:	CNMNT TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	40
INST_MAX:	400
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	HI-HI = 117 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (ON LOSS OF POWER)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 THERMOCOUPLES,
SYS_DESC2:	ONE AT 104', ONE AT 122', ONE AT 125', ONE AT 127' IN
SYS_DESC3:	CONTAINMENT BUILDING
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JHCNTE0042A1,B1,C1,D1

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	H2 CONC
POINT_ID:	SPDS0082
SITE_DESC:	CONTAINMENT HYDROGEN CONCENTRATION
ERDS_DESC:	CNTMNT H2 CONCENTRATION
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10
ZERO_REF:	N/A
REF_NOTES:	NORMALLY NOT IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	SAMPLE TAPS OFF RECOMBINER SUCTION LINE
SET_INFO:	HI-HI = 2.9%; HI(ALERT) = 0.7
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A & B INPUTS
SYS_DESC2:	(*) INTENDED FOR POST-LOCA USE
SYS_DESC3:	ACCURATE READINGS AFTER 30 MINs. IN-SERVICE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JHPAAIT0009,2JHPBAIT0010

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	BWST LEVEL
POINT_ID:	SPDS0052
SITE_DESC:	REFUELING WATER TANK LEVEL
ERDS_DESC:	RWT LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	GAL = 7610.4 * (%)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF TANK
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	BOTTOM AND TOP OF TANK
SET_INFO:	LOW-LOW = 73% LOW=87% HIGH=95%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LEVEL INPUTS
SYS_DESC2:	BACKED UP BY SPENT FUEL POOL (352,000 GAL)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	2JCHALT0203A,B,C,D

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	WIND SPEED
POINT_ID:	SPDS0143
SITE_DESC:	MET. TOWER WIND SPEED, 35 FT LEVEL
ERDS_DESC:	WIND SPEED (35', 15 MIN. AVG)
POINT_TYPE:	A
UNITS_TAG:	MPH
UNITS_CONV:	N/A
INST_MIN:	0.5
INST_MAX:	50
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ANOMOMETER AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNST0002

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	WIND DIR
POINT_ID:	SPDS0144
SITE_DESC:	MET TOWER WIND DIRECTION, 35 FT LEVEL
ERDS_DESC:	WIND DIRECTION (35', 15 MIN AVG)
POINT_TYPE:	A
UNITS_TAG:	DEGFR
UNITS_CONV:	DEGFR = DEGREES FROM NORTH
INST_MIN:	0
INST_MAX:	360
ZERO_REF:	(NOTE)
REF_NOTES:	0 DEG = FROM COMPASS NORTH (SECTOR A)
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	WIND VANE AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF VELOCITY-WEIGHTED AVERAGE
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNDT0002,AJRGNST0002

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	STAB CLASS
POINT_ID:	SPDS0146
SITE_DESC:	ATMOSPHERIC STABILITY CLASS
ERDS_DESC:	AIR STABILITY AT SITE
POINT_TYPE:	A
UNITS_TAG:	STABI
UNITS_CONV:	N/A
INST_MIN:	1
INST_MAX:	7
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	MET TOWER AT 35' AND 195' LEVELS
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	CONVERTED TO STAB-CLASS (per TABLE 2, REG. GUIDE 1.23) FROM
SYS_DESC2:	15 MIN. AVERAGES OF WIND SPEED AND TOWER DELTA-T INPUTS
SYS_DESC3:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNTT0002,AJRGNST0002

PALO VERDE UNIT 2 ERDS DPL

13-Nov-96

DATE:	3/18/93
REACTOR:	PV2
DATA_FDR:	0
ERDS_PARM:	SPARE
POINT_ID:	SPDS0109
SITE_DESC:	ELAPSED TIME SINCE REACTOR TRIP
ERDS_DESC:	ELAPSED TIME SINCE REACTOR TRIP
POINT_TYPE:	A
UNITS_TAG:	SEC
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3E7
ZERO_REF:	N/A
REF_NOTES:	(SEE BELOW)
SNSR_FLAG:	P
NUM_INPUT:	5
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	N/A
SET_INFO:	N/A
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	-
TEMP_COMP:	-
REF_LEG:	-
SYS_DESC1:	BEGINS CLOCKING UPON 2 OUT OF 4 REACTOR SWGR OPEN
SYS_DESC2:	[USED IN UNIT CONVERSION OF SOME ERDS RMS PARAMETERS]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	

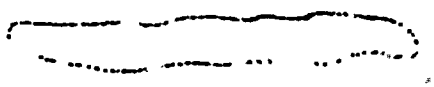
ATTACHMENT C UNIT 3

ERDS DATA POINT LIBRARY
UNIT 3

PALO VERDE UNIT 3 ERDS DPL

07-Jan-97

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	NI POWER RNG
POINT_ID:	SPDS0013
SITE_DESC:	RX POWER LOG/LIN RANGE
ERDS_DESC:	RX POWER LOG/LINEAR RANGE
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	EXCORE 3-VERT. SECTION FISSION CHAMBERS
SET_INFO:	HI-HI = 1E5 M 3-7, 110 M 1-2
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV): HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LINEAR CALIBRATED
SYS_DESC2:	INPUTS WHEN POWER >10%, FROM 4 LOG RANGE INPUTS 10%<PWR<1E-5
SYS_DESC3:	AND 4 LOG RANGE PLUS 2 STARTUP RANGE INPUTS BELOW 1E-5% PWR.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSEANE0001A,1B,1C,1D,3JSENNE0005,6



PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1AA
SITE_DESC:	EX-CORE POWER (LOG RANGE) A
ERDS_DESC:	RX POWER LOG RANGE, CH A
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102, HI-HI = 110%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM, CH A
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSEANE0001A

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	NI INTER RNG
POINT_ID:	SEJ1BB
SITE_DESC:	EX-CORE POWER (LOG RANGE) B
ERDS_DESC:	RX POWER LOG RANGE, CH B
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	5E7 NV/% POWER (AT DETECTOR)
INST_MIN:	2E-8
INST_MAX:	200
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	SUMMED (CAMBELLED ABOVE 2E-2%)
SNSR_LOC:	EXCORE 3-VERT SECTION FISSION CHAMBERS
SET_INFO:	HI=102%; HI-HI = 110%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ALSO SERVES AS POST-ACCIDENT MONITORING SYSTEM CH B
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSEANE0001B

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS1
SITE_DESC:	STARTUP NEUTRON FLUX LVL CH1
ERDS_DESC:	RX·POWER STARTUP RANGE, CH 1
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS; HI-HI = 2.5E3
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSENNE0005

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	NI SRCE RNG
POINT_ID:	SENIS2
SITE_DESC:	STARTUP NEUTRON FLUX LVL CH 2
ERDS_DESC:	RX POWER STARTUP RANGE, CH 2
POINT_TYPE:	A
UNITS_TAG:	CPS
UNITS_CONV:	1.3E-9 %/CPS
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	SUMMED
SNSR_LOC:	EXCORE 2-VERT SECTION BF3 COUNTERS
SET_INFO:	HI= 2E3 CPS; HI-HI = 2.5E3 CPS.
PWR_CUT_OF:	>2E3 CPS
PWR_CUT_ON:	<2E3 CPS
FAIL_MODE:	LOW (LOSS OF HV); HIGH (ON SHORT)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSENNE0006

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 1
POINT_ID:	SPDS0015
SITE_DESC:	RX VESSEL UPPER HEAD LEVEL
ERDS_DESC:	RX VESSEL LEVEL, HEAD
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 2.18 * (.85*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =61 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4-VERT SECTION HJTC
SET_INFO:	LO-LO = 17%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. HEAD VOID (CUFT) = 9.21 * (218 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSHATR00051,3JSHBTR00051

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RX VES LEV 2
POINT_ID:	SPDS0016
SITE_DESC:	RX VESSEL OUTLET PLENUM LEVEL
ERDS_DESC:	RX VESSEL LEVEL, OUTLET PLENUM
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	INCHES = 0.57 * (.96*((%)-100) +100)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TAF
REF_NOTES:	0 =4 INCHES ABOVE TAF
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	RX GUIDE TUBE, 4 VERT SECTION HJTC
SET_INFO:	LO-LO = 74%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	est. PLENUM VOID (CUFT) = 8.71 * (57 - INCHES)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSHATR00052,3JSHBTR00052

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	TEMP CORE EX
POINT_ID:	SPDS0079
SITE_DESC:	REPRESENTATIVE CORE EXIT TEMP
ERDS_DESC:	REPRESENTATIVE CET
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	32
INST_MAX:	2300
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	64
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	TOP OF CORE QUADRANTS
SET_INFO:	HI-HI = 620 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	ESTIMATED CORE EXIT TEMPERATURE FROM A CORE HEAT BALANCE, IF
SYS_DESC2:	RCPs ARE RUNNING, OR FROM QUALITY-BASED, BEST-VALUE AVERAGE
SYS_DESC3:	OF 61 CET READINGS, IF RCPs ARE STOPPED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSHA/BRIT01 thru 61,SPDS0067,SPDS0068,SPDS0001

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SUB MARGIN
POINT_ID:	SPDS0021
SITE_DESC:	CONTROLLING SUBCOOLING MARGIN
ERDS_DESC:	SUB-COOLED MARGIN
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	-2100
INST_MAX:	+700
ZERO_REF:	at sat
REF_NOTES:	SUPERHEAT YIELDS NEGATIVE MA
SNSR_FLAG:	P
NUM_INPUT:	16
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	6 T-HOTs and 10 PZR. PRESSURE
SET_INFO:	LO-LO = 24 M 1-4, 35 M 8 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	COMPLEX
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	EVALUATED FROM Conservative Tsat - Maximum Thot
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	SPDS0062,SPDS3001

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CORE FLOW
POINT_ID:	SPDS0194
SITE_DESC:	ESTIMATED CORE FLOW
ERDS_DESC:	TOTAL REACTOR COOLANT FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	-200000
INST_MAX:	470000
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	42
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	-
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 8 RCP DP INPUTS OR
SYS_DESC2:	IF no RCP's running, FROM CORE DELTA-T CALCULATION FROM 10
SYS_DESC3:	FLUX INPUTS, est DECAY HEAT COMPUTATION, 10 PZR PRESSURE
SYS_DESC4:	INPUTS, 6 Thot INPUTS and 8 Tcold INPUTS
SYS_DESC5:	(GPM AT OPERATING TEMP & PRESS)
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 1
POINT_ID:	SPDS0005
SITE_DESC:	SG1 (WR) LVL DENS COMP
ERDS_DESC:	SG-1 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LOLO=SASA23, LO=25 M 1-4; LOLO=15, LO=25 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-1 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU MIN = 2, EU MAX = 13
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGALT1113A,B,C,D,SPDS0003

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG LEVEL 2
POINT_ID:	SPDS0006
SITE_DESC:	SG2 (WR) LVL DENS COMP
ERDS_DESC:	SG-2 WIDE RANGE LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TUBSHT
REF_NOTES:	0 =143 INCHES ABOVE TUBE SHEET
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	S/G DOWNCOMER
SET_INFO:	LOLO=SASA23, LO=25, M 1-4; LOLO=15, LO=25 M 8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	TEMPERATURE COMPENSATED QUALITY-BASED BEST-VALUE SELECTION
SYS_DESC2:	FROM 4 WR LEVEL INPUTS AND Tsat at SG-2 PRESSURE
SYS_DESC3:	INCHES = 3.67 * actual(%)
SYS_DESC4:	TOP OF TUBE BUNDLE IS 68%
SYS_DESC5:	SASA23 - SG MIN (WR) LEVEL SETPOINT; EU LO = 2, EU HI = 13.
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGALT1123A,B,C,D,SPDS0004

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG PRESS 1
POINT_ID:	SPDS0003
SITE_DESC:	STEAM GENERATOR 1 PRESSURE
ERDS_DESC:	SG-1 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0198; HIHI=1200 M 1-7, 1190 M 8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0198 - LOW SG-1 PRESS VAR STPT, EU LO = 0, EU HI = 1524.
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGAPT1013A,B,C,D

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG PRESS 2
POINT_ID:	SPDS0004
SITE_DESC:	STEAM GENERATOR 2 PRESSURE
ERDS_DESC:	SG-2 PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1524
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT S/G STEAM NOZZLES A and B
SET_INFO:	LOLO=SPDS0199; HIHI = 1200 M 1-7, 1190 M 8.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 PRESS INPUTS
SYS_DESC2:	SPDS0199 - LOW SG-2 PRESS VAR STPT; EU LO = 0, EU HI = 1524.
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGAPT1023A,B,C,D

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MN FD FL 1
POINT_ID:	SPDS5035
SITE_DESC:	STM GEN 1 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-1 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGNFT1112

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MN FD FL 2
POINT_ID:	SPDS5036
SITE_DESC:	STM GEN 2 MAIN FEEDWATER FLOW
ERDS_DESC:	SG-2 MAIN FEED FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	20000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	HP HTR OUTLET HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	INSTRUMENT INPUT CONVERTED TO GPM AT STAND. TEMP & PRESS
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSGNFT1122

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	AX FD FL 1
POINT_ID:	SPDS0007
SITE_DESC:	STM GEN 1 AUXILIARY FW FLOW
ERDS_DESC:	SG-1 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-1
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JAFAFT0040A,3JAFBFT0041A

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	AX FD FL 2
POINT_ID:	SPDS0008
SITE_DESC:	STM GEN 2 AUXILIARY FW FLOW
ERDS_DESC:	SG-2 AUX FW FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	2000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT SAFETY CLASS AUX FEED HEADER TO SG-2
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A and B INPUTS
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	EXCLUDES NON-CLASS IE AUX FEED
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JAFAFT0040B,3JAFBFT0041B

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HL TEMP 1
POINT_ID:	SPDS0017
SITE_DESC:	RCS HOT LEG LOOP 1 TEMPERATURE
ERDS_DESC:	HOT LEG 1 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 1
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCATT0112H1,3JRCBTT0112H2,3JRCNTT0111X

PALO VERDE UNIT 3 ERDS DPL

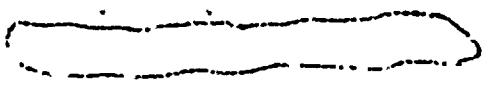
13-Nov-96

DATE:	12/20/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HL TEMP 2
POINT_ID:	SPDS0018
SITE_DESC:	RCS HOT LEG LOOP 2 TEMPERATURE
ERDS_DESC:	HOT LEG 2 TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL HOT LEG 2
SET_INFO:	HI-HI = 605 M 3-7, 630 M 1-2 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE and 2 WIDE RANGE INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCATT0122H1,3JRCBTT0122H2,3JRCNTT0121X

PALO VERDE UNIT 3 ERDS DPL

07-Jan-97

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1A
POINT_ID:	SPDS0093
SITE_DESC:	RCS COLD LEG 1A TEMPERATURE
ERDS_DESC:	COLD LEG 1A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW
SNSR_LOC:	AT RX VESSEL COLD LEG 1A
SET_INFO:	HI-HI = 580, LOLO = 465 M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCATT0112C1,3JRCNTT0111Y



PALO VERDE UNIT 3 ERDS DPL

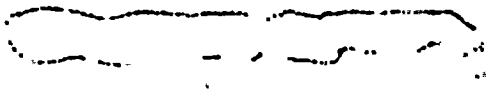
07-Jan-97

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CL TEMP 1B
POINT_ID:	SPDS0094
SITE_DESC:	RCS COLD LEG 1B TEMPERATURE
ERDS_DESC:	COLD LEG 1B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 1B
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-A DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3RCBTT0112C2,3JRCATT0115,3JSIATT0351Y

PALO VERDE UNIT 3 ERDS DPL

07-Jan-97

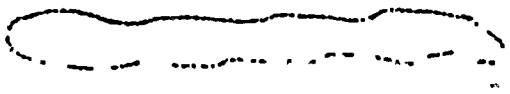
DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2A
POINT_ID:	SPDS0095
SITE_DESC:	RCS COLD LEG 2A TEMPERATURE
ERDS_DESC:	COLD LEG 2A TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2A
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 2 WIDE RANGE INPUTS,
SYS_DESC2:	IF SHUTDOWN COOLING IS IN-SERVICE, FROM SCS-B DISCH. TEMP.
SYS_DESC3:	INPUT
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3RCATT0122C1,3RCBTT0125,3JSIBTT0352Y



PALO VERDE UNIT 3 ERDS DPL

07-Jan-97

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CL TEMP 2B
POINT_ID:	SPDS0096
SITE_DESC:	RCS COLD LEG 2B TEMPERATURE
ERDS_DESC:	COLD LEG 2B TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	50
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT RX VESSEL COLD LEG 2B
SET_INFO:	HI-HI = 580, LOLO = 465, M 1-3 & 7.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 1
SYS_DESC2:	NARROW RANGE INPUT and 1 WIDE RANGE INPUT
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCBTT0122C2,3JRCNTT0121Y



PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	12/20/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RCS PRESSURE
POINT_ID:	SPDS0001
SITE_DESC:	RCS PRESSURIZER PRESSURE
ERDS_DESC:	PRESSURIZER PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIA
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	10
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	PRESSURIZER HEAD REGION
SET_INFO:	LOLO=SPDS0196; HIHI=2285 PSIA
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	NARROW RANGE INPUTS, 4 WIDE RANGE INPUTS and 4 LOW RANGE
SYS_DESC3:	INPUTS
SYS_DESC4:	SPDS0196 = LOW PZR PRESS VAR STPT; EU LO = 0, EU HI = 3000.
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCAPT0102A,B,C,D,3JRCAPT0103,104,105,106,3JRCNPT0100X,Y

PALO VERDE UNIT 3 ERDS DPL

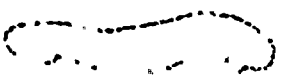
19-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	PRZR LEVEL
POINT_ID:	SPDS0054
SITE_DESC:	PZR LVL DENS COMP
ERDS_DESC:	PRESSURIZER LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	0 = BOTTOM OF PZR VESSEL
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	FULL INTERNAL HEIGHT OF PZR VESSEL
SET_INFO:	LOLO=SBSA10 M 1-4/15 M8; HIHI=SBSA14 M 1-4/65 M8
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	Y
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 2
SYS_DESC2:	HOT-CALIBRATED LEVEL INPUTS and 1 COLD-CALIBRATED INPUT
SYS_DESC3:	VOL (CUFT) = 18. * actual(%)
SYS_DESC4:	TOP OF PRESSURIZER HEATERS IS 20%
SYS_DESC5:	SBSA10 - MIN OPER PZR LEVEL SETPOINT; EU LO = 10, EU HI = 25
SYS_DESC6:	SBSA14 - MAX OPER PZR LVL SETPOINT; EU LO = 70, EU HI = 74.
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRCALT0110X,3JRCBLT0110Y,3JRCNLT0103

PALO VERDE UNIT 3 ERDS DPL

07-Jan-97

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RCS CHG FL
POINT_ID:	SPDS0203
SITE_DESC:	CHARGING FLOW
ERDS_DESC:	PRIMARY SYSTEM CHARGING FLOW
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	150
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT CHG PPS DISCH HEADER TO REGEN. HX
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JCHBFT0212



PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1A
POINT_ID:	SPDS0217
SITE_DESC:	HPSI FLOW TO RC 1A
ERDS_DESC:	HPSI FLOW TO COLD LEG 1A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIAFT0331

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HP SI FL 1B
POINT_ID:	SPDS0218
SITE_DESC:	HPSI FLOW TO RC 1B
ERDS_DESC:	HPSI FLOW TO COLD LEG 1B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 1B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIAFT0341

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2A
POINT_ID:	SPDS0219
SITE_DESC:	HPSI FLOW TO RC 2A
ERDS_DESC:	HPSI FLOW TO COLD LEG 2A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2A INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIBFT0311

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	HP SI FL 2B
POINT_ID:	SPDS0220
SITE_DESC:	HPSI FLOW TO RC 2B
ERDS_DESC:	HPSI FLOW TO COLD LEG 2B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	750
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LEG 2B INJECTION POINT
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIBFT0321

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW A
POINT_ID:	SPDS0215
SITE_DESC:	LPSI PP A HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN A
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI A HEADER TO LEGS 1A/1B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIAFT0306

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	LP SI FLOW B
POINT_ID:	SPDS0216
SITE_DESC:	LPSI PP B HDR DSCH
ERDS_DESC:	LPSI FLOW, TRAIN B
POINT_TYPE:	A
UNITS_TAG:	GPM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10000
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	AT LPSI B HEADER TO LEGS 2A/2B
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	QUALITY-VERIFIED INSTRUMENT INPUT
SYS_DESC2:	(GPM AT STAND. TEMP & PRESS)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIBFT0307

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RX CAV SUMP
POINT_ID:	RDL10
SITE_DESC:	REACTOR CAVITY SUMP LEVEL
ERDS_DESC:	RX CAVITY SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 13.1 * INCHES
INST_MIN:	0
INST_MAX:	55
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	HI = 34 INCHES HI-HI = 37 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRDNLT0010

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 1
POINT_ID:	SIL706
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-A SUMP
ERDS_DESC:	CNMT RECIRC-A LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES -6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIALT0706

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 2
POINT_ID:	SIL707
SITE_DESC:	CONTAINMENT LEVEL AT RECIRC-B SUMP
ERDS_DESC:	CNMT RECIRC-B LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 6700 * (INCHES - 6) approx.
INST_MIN:	6
INST_MAX:	150
ZERO_REF:	CNTFLR
REF_NOTES:	
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR ON WALL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	INDICATION IS MARKED "BAD" WHEN OFF-SCALE LOW
SYS_DESC3:	MAY REFLECT A FEW SEC. DELAY IN QSPDS DATA LINK
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSIBLT0707

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 3
POINT_ID:	RDL410
SITE_DESC:	CONT RW SUMP (EAST) LEVEL
ERDS_DESC:	E. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO = 11.5 INCHES; HI-HI = 45.5 INCHES
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRDELT0410

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT SMP 4
POINT_ID:	RDL411
SITE_DESC:	CONT RW SUMP (WEST) LEVEL
ERDS_DESC:	W. RADWASTE SUMP LEVEL
POINT_TYPE:	A
UNITS_TAG:	INCHES
UNITS_CONV:	GAL = 7.47 * INCHES
INST_MIN:	0
INST_MAX:	75
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF SUMP
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	CONTINUOUS FILL FLOAT INDICATOR IN WELL
SET_INFO:	LO-LO = 11.5, HI-HI=45.5; LO=13.5, HI=43.5.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	BINDING
TEMP_COMP:	N
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JRDELT0411

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 1
POINT_ID:	SPDS0640
SITE_DESC:	RU-143/144, PLANT VENT GAS MONITOR
ERDS_DESC:	PLANT VENT GAS RAD. CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT (176' TURB. BLDG. WEST)
SET_INFO:	HI(ALERT) =1.34 E-4, HIHI = 6.35 E-4.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-143)
SYS_DESC2:	INPUT, MID-RANGE (RU-144A) and HI-RANGE INPUT (RU-144B)
SYS_DESC3:	(CI/MIN) = CI/CFT * EFF-AGE * SPDS0640
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQNRU0143,144A,144B

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 1
POINT_ID:	CPF42
SITE_DESC:	PLANT VENT STACK EXHAUST FLOW
ERDS_DESC:	PLANT VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	1.65E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN PLANT VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 1.23E5 (WHEN "BAD" QUALITY)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JCPNFT0042

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	EFF GAS RD 2
POINT_ID:	SPDS0643
SITE_DESC:	RU-145/146, FUEL BLDG. VENT GAS MONITOR
ERDS_DESC:	FUEL BLDG VENT GAS RAD CONC.
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	CI/CFT = .0283 * UCI/CC
INST_MIN:	1E-6
INST_MAX:	1E6
ZERO_REF:	N/A
REF_NOTES:	
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN VENT STACK (176' FUEL BLDG)
SET_INFO:	HI(ALERT) = 4.13 E-5, HIHI = 1.56 E-3.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE, RANGE-SELECTED FROM LOW-RANGE (RU-145)
SYS_DESC2:	INPUT, MID-RANGE (RU-146A) and HI-RANGE INPUT (RU-146B)
SYS_DESC3:	CI/MIN = CI/CFT * EFF-AGE * SPDS0643
SYS_DESC4:	estEFF-AGE = 1 + 0.2*T**1.17
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0145,146A,146B

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	EFF GAS FL 2
POINT_ID:	HFF93
SITE_DESC:	FUEL BLDG. VENT STACK EXHAUST FLOW
ERDS_DESC:	FUEL BLDG. VENT EXH. FLOW
POINT_TYPE:	A
UNITS_TAG:	SCFM
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	6.4E4
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	S
NUM_INPUT:	1
PROC_DESC:	N/A
SNSR_LOC:	IN FUEL BLDG VENT STACK
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	
SYS_DESC2:	default = 4.35E4 [WHEN "BAD" QUALITY]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JHFBFT0093

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0644
SITE_DESC:	RU-148 CNMNT AREA HI-RANGE MONITOR, HCAA
ERDS_DESC:	IN-CNMT AREA MONITOR, CH A
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', ABOVE REFUEL. AREA
SET_INFO:	HI(ALERT) = 1.1E3; HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0644
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0644)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQARU0148

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CNTMNT RAD
POINT_ID:	SPDS0645
SITE_DESC:	RU-149 CNMNT AREA HI-RANGE MONITOR, HCAB
ERDS_DESC:	IN-CNMT AREA MONITOR, CH B
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E3
INST_MAX:	1E10
ZERO_REF:	(NOTE)
REF_NOTES:	ALWAYS IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER AT 140', EAST OF ACCESS DOOR
SET_INFO:	HI(ALERT) = 1.1E3 HI-HI = 1.00E4
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	(*) LOW-RANGE IS RU16
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0645
SYS_DESC4:	estMON-FAC = 0.00106 * (T**0.44) * (SPDS0645)**0.29
SYS_DESC5:	[T = SPDS0109/3600]
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0149

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	RCS LTDN RAD
POINT_ID:	SPDS0671
SITE_DESC:	RU-155D, RAD MONITOR AT BORONOMETER
ERDS_DESC:	RAD LEVEL IN LETDOWN LINE
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E1
INST_MAX:	1E8
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW) .
SNSR_LOC:	ION CHAMBER IN BORONOMETER SAMPLE LINE
SET_INFO:	HI(ALERT) = 85. HI-HI = 120.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A .
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	NOT VALID READINGS WHEN LETDOWN IS ISOLATED
SYS_DESC3:	UCI/CC = MON-FAC * SPDS0671
SYS_DESC4:	estMON-FAC = 0.203
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQNRU0155D

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0635
SITE_DESC:	RU-139A, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0635 - 1.5)
SYS_DESC5:	estMON-FAC=0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0139A

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MAIN SL 1
POINT_ID:	SPDS0636
SITE_DESC:	RU-139B, SG-1 STEAM LINE MONITOR, MLSA
ERDS_DESC:	SG-1, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0636 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0139B

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0637
SITE_DESC:	RU-140A, SG-2 STEAM LINE MONITOR, MLSB
ERDS_DESC:	SG-2, LINE 1, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0637 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0140A

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	MAIN SL 2
POINT_ID:	SPDS0638
SITE_DESC:	RU-140B, SG-2 STEAM LINE MONITOR, MLSB
ERDS_DESC:	SG-2, LINE 2, RAD MONITOR
POINT_TYPE:	A
UNITS_TAG:	MR/HR
UNITS_CONV:	N/A
INST_MIN:	1E0
INST_MAX:	1E5
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ION CHAMBER UPSTREAM OF ATMOS. DUMPS
SET_INFO:	HI(ALERT) = 3.15 HI-HI = 4.50
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	
SYS_DESC3:	
SYS_DESC4:	UCI/CC = MON-FAC * (SPDS0638 - 1.5)
SYS_DESC5:	estMON-FAC = 0.08 + 0.03*T**2.19
SYS_DESC6:	[T = SPDS0109/3600]
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQBRU0140B

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 1
POINT_ID:	SPDS0606
SITE_DESC:	RU-4, SG-1 BLOWDOWN RAD MONITOR, SGBA
ERDS_DESC:	SG-1 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI(ALERT) = SQR4ALRM, HIHI = SQR4HI
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE ON INSTRUMENT INPUT
SYS_DESC2:	SQR4ALRM = EU LO = 1E-6, EU HI = 1E-4.
SYS_DESC3:	SQR4HI =EU LO = 1E-6. EU HI = 5E-4.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQNRU0004

PALO VERDE UNIT 3 ERDS DPL

19-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SG BD RAD 2
POINT_ID:	SPDS0607
SITE_DESC:	RU-5, SG-2 BLOWDOWN RAD MONITOR, SGBB
ERDS_DESC:	SG-2 BLOWDOWN ACTIVITY
POINT_TYPE:	A
UNITS_TAG:	UCI/CC
UNITS_CONV:	N/A
INST_MIN:	1E-6
INST_MAX:	1E-1
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	GAMMA SCIN. IN SAMPLE LINE, CHEM LAB.
SET_INFO:	HI = SQR5ALRM, HIHI = SQR5HI.
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF RMS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	10 MIN. AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	SQR5ALRM = EU LO = 1E-6, EU HI = 1E-4.
SYS_DESC3:	SQR5HI = EU LO = 1E-6, EU HI = 5E-4.
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JSQNRU0005

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT PRESS
POINT_ID:	SPDS0002
SITE_DESC:	CONTAINMENT PRESSURE
ERDS_DESC:	CNMNT PRESSURE
POINT_TYPE:	A
UNITS_TAG:	PSIG
UNITS_CONV:	N/A
INST_MIN:	-5
INST_MAX:	180
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	8
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	IN CONTAINMENT, 140' LEVEL
SET_INFO:	HI-HI = 2.5 PSIG
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED RANGE-WEIGHTED BEST-VALUE SELECTION FROM 4
SYS_DESC2:	NARROW RANGE INPUTS, 2 WIDE-RANGE and 2 EXTRA_WR INPUTS
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JHCAPT0351A,B,C,D,352A,B,353A,B

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	CTMNT TEMP
POINT_ID:	SPDS0009
SITE_DESC:	CONTAINMENT TEMPERATURE
ERDS_DESC:	CNMNT TEMPERATURE
POINT_TYPE:	A
UNITS_TAG:	DEGF
UNITS_CONV:	N/A
INST_MIN:	40
INST_MAX:	400
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	(SEE BELOW)
SET_INFO:	HI-HI = 117 DEGF
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	LOW (ON LOSS OF POWER)
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 THERMOCOUPLES,
SYS_DESC2:	ONE AT 104', ONE AT 122', ONE AT 125', ONE AT 127' IN
SYS_DESC3:	CONTAINMENT BUILDING
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JHCNTE0042A1,B1,C1,D1

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	9/12/95
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	H2 CONC
POINT_ID:	SPDS0082
SITE_DESC:	CONTAINMENT HYDROGEN CONCENTRATION
ERDS_DESC:	CNTMNT H2 CONCENTRATION
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	10
ZERO_REF:	N/A
REF_NOTES:	NORMALLY NOT IN SERVICE (*)
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	SAMPLE TAPS OFF RECOMBINER SUCTION LINE
SET_INFO:	HI-HI = 2.9%; HI(ALERT) = 0.7
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF QSPDS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM TRAIN A & B INPUTS
SYS_DESC2:	(*) INTENDED FOR POST-LOCA USE
SYS_DESC3:	ACCURATE READINGS AFTER 30 MINs. IN-SERVICE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JHPAAIT0009,3JHPBAIT0010

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	BWST LEVEL
POINT_ID:	SPDS0052
SITE_DESC:	REFUELING WATER TANK LEVEL
ERDS_DESC:	RWT LEVEL
POINT_TYPE:	A
UNITS_TAG:	%
UNITS_CONV:	GAL = 7610.4 * (%)
INST_MIN:	0
INST_MAX:	100
ZERO_REF:	TNKBOT
REF_NOTES:	BOTTOM OF TANK
SNSR_FLAG:	P
NUM_INPUT:	4
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	BOTTOM AND TOP OF TANK
SET_INFO:	LOW-LOW = 73% LOW=87% HIGH=95%
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	
TEMP_COMP:	N
REF_LEG:	WET
SYS_DESC1:	QUALITY-BASED BEST-VALUE SELECTION FROM 4 LEVEL INPUTS
SYS_DESC2:	BACKED UP BY SPENT FUEL POOL (352,000 GAL)
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	3JCHALT0203A,B,C,D

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	WIND SPEED
POINT_ID:	SPDS0143
SITE_DESC:	MET. TOWER WIND SPEED, 35 FT LEVEL
ERDS_DESC:	WIND SPEED (35', 15 MIN. AVG)
POINT_TYPE:	A
UNITS_TAG:	MPH
UNITS_CONV:	N/A
INST_MIN:	0.5
INST_MAX:	50
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	1
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	ANOMOMETER AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF INSTRUMENT INPUT
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNST0002

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	WIND DIR
POINT_ID:	SPDS0144
SITE_DESC:	MET TOWER WIND DIRECTION, 35 FT LEVEL
ERDS_DESC:	WIND DIRECTION (35', 15 MIN AVG)
POINT_TYPE:	A
UNITS_TAG:	DEGFR
UNITS_CONV:	DEGFR = DEGREES FROM NORTH
INST_MIN:	0
INST_MAX:	360
ZERO_REF:	(NOTE)
REF_NOTES:	0 DEG = FROM COMPASS NORTH (S
SNSR_FLAG:	P
NUM_INPUT:	2
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	WIND VANE AT SITE TOWER, 35 FT LEVEL
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	15 MIN. ROLLING AVERAGE OF VELOCITY-WEIGHTED AVERAGE
SYS_DESC2:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNDT0002,AJRGNST0002

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	STAB CLASS
POINT_ID:	SPDS0146
SITE_DESC:	ATMOSPHERIC STABILITY CLASS
ERDS_DESC:	AIR STABILITY AT SITE
POINT_TYPE:	A
UNITS_TAG:	STABI
UNITS_CONV:	N/A
INST_MIN:	1
INST_MAX:	7
ZERO_REF:	N/A
REF_NOTES:	N/A
SNSR_FLAG:	P
NUM_INPUT:	3
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	MET TOWER AT 35' AND 195' LEVELS
SET_INFO:	
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	"AS IS" ON LOSS OF MDTS DATALINK
TEMP_COMP:	-
REF_LEG:	N/A
SYS_DESC1:	CONVERTED TO STAB-CLASS (per TABLE 2, REG. GUIDE 1.23) FROM
SYS_DESC2:	15 MIN. AVERAGES OF WIND SPEED AND TOWER DELTA-T INPUTS
SYS_DESC3:	TOWER IS COMMON TO THREE UNITS AT SITE
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	AJRGNTT0002,AJRGNST0002

PALO VERDE UNIT 3 ERDS DPL

13-Nov-96

DATE:	3/28/94
REACTOR:	PV3
DATA_FDR:	0
ERDS_PARM:	SPARE
POINT_ID:	SPDS0109
SITE_DESC:	ELAPSED TIME SINCE REACTOR TRIP
ERDS_DESC:	ELAPSED TIME SINCE REACTOR TRIP
POINT_TYPE:	A
UNITS_TAG:	SEC
UNITS_CONV:	N/A
INST_MIN:	0
INST_MAX:	3E7
ZERO_REF:	N/A
REF_NOTES:	(SEE BELOW)
SNSR_FLAG:	P
NUM_INPUT:	5
PROC_DESC:	(SEE BELOW)
SNSR_LOC:	N/A
SET_INFO:	N/A
PWR_CUT_OF:	N/A
PWR_CUT_ON:	N/A
FAIL_MODE:	-
TEMP_COMP:	-
REF_LEG:	-
SYS_DESC1:	BEGINS CLOCKING UPON 2 OUT OF 4 REACTOR SWGR OPEN
SYS_DESC2:	[USED IN UNIT CONVERSION OF SOME ERDS RMS PARAMETERS]
SYS_DESC3:	
SYS_DESC4:	
SYS_DESC5:	
SYS_DESC6:	
SYS_DESC7:	
SYS_DESC8:	
SYS_DESC9:	
SYS_DESC0:	