



**NOV 30 2001**

**LRN-01-0402**

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

**UPDATE OF EMERGENCY RESPONSE DATA SYSTEM (ERDS)  
DATA POINT LIBRARY  
SALEM GENERATING STATION UNIT NO. 2  
DOCKET NO. 50-311**

Ladies and Gentlemen:

In accordance with 10CFR50 Appendix E Section VI.3.a, PSEG Nuclear is notifying the NRC of changes to the Salem Unit 2 ERDS Data Point Library (DPL). These changes affect the following ERDS data points U2FT0510S, U2FT0520S, U2FT0530S, and U2FT0530S. Since the ERDS DPL has been completely reformatted, an entire copy of the Unit 2 DPL is being provided including the changes to the above data points.

If you should have any questions regarding this submittal, please contact Brian Thomas at 856-339-2022.

Sincerely,

A handwritten signature in cursive script, appearing to read "G. Salamon", written over a horizontal line.

G. Salamon  
Nuclear Safety and Licensing Manager

Enclosure

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C

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DATE 02/14/1997 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: NI POWER RNG

POINT ID: U2NM0041FS

PLANT POINT DESCRIPTION: POWER RNG PERCENT CH I

ERDS DESC: NUCLEAR INSTRUMENTS-POWER RANGE ANALOG/DIGITAL A

ENG UNITS: % ENG UNITS CONV: LINEAR

MIN INSTR RANGE: 0 MAX INSTR RANGE: 120 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: REACTOR CAVITY

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: 120% POWER

NI DETECTOR PWR TURN ON LVL: 0% POWER

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES  
LINEAR OUTPUT: 0 TO 1.2V CHANNEL PROVIDES REACTOR  
POWER PERCENT INDICATION TO THE OPERATOR. ROD  
BLOCK PROVIDED ON OVERPOWER DELTA-T AND ON  
HIGH DEVIATION BETWEEN LOWER FLUX AVG. LOW1  
SETPOINT(9) INTERLOCKED WITH P-10. LOW2 SETPOINT  
(11) INTERLOCKED WITH P-7. HIGH SETPOINT (36)  
INTERLOCKED WITH P-8. HIGH2 SETPOINT (50)  
INTERLOCKED WITH P-9.

Design Input:

RECORD NUMBER: 01

DATE 02/03/1993 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: NI INTER RNG

POINT ID: U2NM0035BB

PLANT POINT DESCRIPTION: INTERM RNG NEUTRON LVL CH I

ERDS DESC: NUCLEAR INSTRUMENTS-INTERM RANGE

ANALOG/DIGITAL A

ENG UNITS: AMP

ENG UNITS CONV: LINEAR

MIN INSTR RANGE: 1E-11

MAX INSTR RANGE: 1E-03

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: REACTOR CAVITY

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: SUR/IR/PR OVRLP

NI DETECTOR PWR TURN ON LVL: 1E-11 AMPS

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES CHANNEL PROVIDES INTERMEDIATE RANGE INDICATION OF

NEUTRON ACTIVITY LEVELS TO THE OPERATOR. PROVIDES

ROD BLOCK ON HIGH FLUX ALARM. LOW1 SETPOINT

INTERLOCKED WITH P-6. THE SPDS POINT ID HAS BEEN

TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS

SOFTWARE LIMITATIONS. THE SPDS POINT ID IS

U2NM0035BBS. LOW2 SETPOINT IS 6E-11. LOW2

SETPOINT 1E-10

Design Input: CALC S-C-NIS-CEE-0702, PROC S2.IC-CC.NIS-0013Q

RECORD NUMBER:

02



DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	NI SOURC RNG	POINT ID:	U2NM0031FA
PLANT POINT DESCRIPTION:	SOURCE RNG NEUTRON LVL CH I		
ERDS DESC:	NUCLEAR INSTRUMENTS-SOURCE RANGE	ANALOG/DIGITAL	A
ENG UNITS:	CPS	ENG UNITS CONV:	NA
MIN INSTR RANGE:	1E0	MAX INSTR RANGE:	1E6
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	REACTOR CAVITY		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	SUR/IR OVERLAP		
NI DETECTOR PWR TURN ON LVL:	1E0 CPS		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	<div>CHANNEL PROVIDES INDICATION OF LOW LEVEL NEUTRON ACTIVITY TO THE OPERATOR. PROVIDES REACTOR TRIP ON HIGH FLUX. THE SPDS POINT ID HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U2NM0031FAS.          </div>		
Design Input:	PROC S2.IC-GP.NIS-0001Q, S2.IC-CC.NIS-0011Q		
RECORD NUMBER:	03		

DATE	11/17/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	REAC VES LEV	POINT ID:	U2LT1311S
PLANT POINT DESCRIPTION:	RV LEVEL FULL RANGE TRAIN A		
ERDS DESC:	REACTOR VESSEL WATER LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	120
		ZERO REF:	COMPLX
REF POINT NOTES:	SEAL TABLE ELEV. 104		
PROC OR SENSOR:	P	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANELS 839-2A, 839-2B		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	HIGH/LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	<div>WESTINGHOUSE RVLIS SYSTEM RECEIVES INPUT FROM 3DP TMTRs, REF LEG RTDs, T-HOT RTDs, RCS PRESSURE, RCP STATUS, AND ISOLATOR DISPLACEMENT. A CHANNEL CAN FAIL HIGH OR LOW DEPENDING ON FAILURE TYPE. SYSTEM PROVIDES ERROR MESSAGES. "FULL RANGE " TMTRs USED. ONE SENSOR OUTPUT USED FOR SPDS. ZERO REF PT TAP AT SEAL TABLE REPRESENTS BOTTOM OF VESSEL. 120% EQUALS TOP OF HEAD. AT 0% VOID FRACTION 50% LEVEL EQUALS 3.5 FT ABOVE TOP OF ACTIVE FUEL. 0 -120% 0 TO 495.25 INCHES.</div>		
Design Input:	DWG 627022		
RECORD NUMBER:	04		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	TEMP CORE EX	POINT ID:	U2TC-HOTTE
PLANT POINT DESCRIPTION:	HOTTEST INCORE THERMOCOUPLE		
ERDS DESC:	HIGHEST TEMPERATURE AT CORE EXIT	ANALOG/DIGITAL	A
ENG UNITS:	DEGF	ENG UNITS CONV:	NA
MIN INSTR RANGE:	30	MAX INSTR RANGE:	2450
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	P	NUMBER SENSORS:	65
HOW PROCESSED:	HIGH SELECT		
SENSOR LOCATION:	INCORE		
ALARM/TRIP SETPOINT INFO:	NA		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	0.0		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	CALCULATED IN SPDS.		
	SELECTS HIGHEST.		
	THE SPDS POINT ID HAS BEEN TRUNCATED TO		
	TEN CHARACTERS BECAUSE OF ERDS		
	APPLICATION SOFTWARE LIMITATIONS. THE		
	SPDS POINT ID IS U2TC-HOTTEST.		
Design Input:			
RECORD NUMBER:	05		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SUB MARGIN	POINT ID:	U2ASUBCOOL
PLANT POINT DESCRIPTION:	SUBCOOLING MARGIN TRAIN A		
ERDS DESC:	SATURATION TEMPERATURE T-REP	ANALOG/DIGITAL	A
ENG UNITS:	DEGF	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	250
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	P	NUMBER SENSORS:	032
HOW PROCESSED:	T-REP VS RCS PRESS		
SENSOR LOCATION:	VESSEL + CTMNT		
ALARM/TRIP SETPOINT INFO:	10F DEC		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	<div>MARGIN BASED ON CE ALGORITHMS. AUTOMATIC COMPENSATION DURING ADVERSE CNTMNT CONDITIONS. 29 CETS SCANNED PER CHANNEL PLUS RCS PRESS, CNTMNT PRESS, &amp; CNTMNT RAD. THE SPDS POINT ID HAS BEEN TRUNCATED TO TEN CHARACTER BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U2ASUBCOOLMR.     </div>		
Design Input:	DCP 2SC-2276		
RECORD NUMBER:	06		



DATE	02/14/1997	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG LEVEL 1	POINT ID:	U2LT0501S
PLANT POINT DESCRIPTION:	#21 SG LEVEL WIDE RANGE		
ERDS DESC:	STEAM GENERATOR LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	TUBSHT
REF POINT NOTES:	10 TO 575 IN H2O		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 448 IN CNTMNT EL. 100		
ALARM/TRIP SETPOINT INFO:	LOLO:11.0, LO:15.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	<div>PROVIDES INDICATION OF WATER LEVEL</div> <div>IN STEAM GENERATOR. TRIP SETPOINTS</div> <div>PROVIDED BY NARROW RANGE CHANNELS</div> <div>NR TRIPS AT 67INC, 16DEC. LOWER INSTRU-</div> <div>MENT TAP 10 INCHES ABOVE TUBE SHEET.</div> <div>ELEV. OF TOP OF TUBE BUNDLE IS 140'3".</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
Design Input:	S2.OP-SO.RC-005; DCP 1EC-3099		
RECORD NUMBER:	07		

DATE	02/14/1997	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG LEVEL 2	POINT ID:	U2LT0502S
PLANT POINT DESCRIPTION:	#22 SG LEVEL WIDE RANGE		
ERDS DESC:	STEAM GENERATOR LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	TUBSHT
REF POINT NOTES:	10 TO 575 IN H2O		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 448 IN CNTMNT EL. 100		
ALARM/TRIP SETPOINT INFO:	LOLO:11.0, LO:15.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS NR TRIPS AT 67INC, 16DEC. LOWER INSTRU- MENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".          		
Design Input:	S2.OP-SO.RC-005; PROC S2.IC-SC.MS-0104Q		
RECORD NUMBER:	08		

DATE	02/14/1997	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG LEVEL 3	POINT ID:	U2LT0503S
PLANT POINT DESCRIPTION:	#23 SG LEVEL WIDE RANGE		
ERDS DESC:	STEAM GENERATOR LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	TUBSHT
REF POINT NOTES:	10 TO 575 IN H2O		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 448 IN CNTMNT EL. 100		
ALARM/TRIP SETPOINT INFO:	LOLO:11.0, LO:15.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS NR TRIPS AT 67INC, 16DEC. LOWER INSTRU- MENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".          		
Design Input:	S2.OP-SO.RC-005; PROC S2.IC-SC.MS-0105Q		
RECORD NUMBER:	09		

DATE	02/14/1997	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG LEVEL 4	POINT ID:	U2LT0504S
PLANT POINT DESCRIPTION:	#24 SG LEVEL WIDE RANGE		
ERDS DESC:	STEAM GENERATOR LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	TUBSHT
REF POINT NOTES:	10 TO 575 IN H2O		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 448 IN CNTMNT EL. 100		
ALARM/TRIP SETPOINT INFO:	LOLO:11.0, LO:15.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	<div>PROVIDES INDICATION OF WATER LEVEL</div> <div>IN STEAM GENERATOR. TRIP SETPOINTS</div> <div>PROVIDED BY NARROW RANGE CHANNELS</div> <div>NR TRIPS AT 67INC, 16DEC. LOWER INSTRU-</div> <div>MENT TAP 10 INCHES ABOVE TUBE SHEET,</div> <div>ELEV. OF TOP OF TUBE BUNDLE IS 140'3".</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
Design Input:	S2.OP-SO.RC-005; PROC S2.IC-SC.MS-0106Q		
RECORD NUMBER:	10		



DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG PRESS 1	POINT ID:	U2PT0514AS
PLANT POINT DESCRIPTION:	#21 SG STEAM OUT PRESS CHAN I		
ERDS DESC:	STEAM GENERATOR PRESSURE	ANALOG/DIGITAL	A
ENG UNITS:	PSIG	ENG UNITS CONV:	NA
MIN INSTR RANGE:	4	MAX INSTR RANGE:	1204
		ZERO REF:	4
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	NORTH PEN AREA, EL. 100		
ALARM/TRIP SETPOINT INFO:	LO:600.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF STEAM PRESSURE IN STEAM GENERATOR. TRIP SETPOINTS BASED ON SG PRESSURE MISMATCH > 100PSI AND SG PRESSURE < 600PSIG IN CONJUNCTION WITH OTHER SG PRESSURE CHANNELS.		
Design Input:	DWG 626547		
RECORD NUMBER:	11		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG PRESS 2	POINT ID:	U2PT0524AS
PLANT POINT DESCRIPTION:	#22 SG STEAM OUT PRESS CHAN 1		
ERDS DESC:	STEAM GENERATOR PRESSURE	ANALOG/DIGITAL	A
ENG UNITS:	PSIG	ENG UNITS CONV:	NA
MIN INSTR RANGE:	4	MAX INSTR RANGE:	1204
		ZERO REF:	4
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	SOUTH PEN AREA EL. 100		
ALARM/TRIP SETPOINT INFO:	LO:600.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF STEAM PRESSURE IN STEAM GENERATOR. TRIP SETPOINTS BASED ON SG PRESSURE MISMATCH > 100PSI AND SG PRESSURE < 600PSIG IN CONJUCTION WITH OTHER SG PRESSURE CHANNELS.		
Design Input:	DWG 626550		
RECORD NUMBER:	12		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG PRESS 3	POINT ID:	U2PT0534AS
PLANT POINT DESCRIPTION:	#23 SG STEAM OUT PRESS CHAN I		
ERDS DESC:	STEAM GENERATOR PRESSURE	ANALOG/DIGITAL	A
ENG UNITS:	PSIG	ENG UNITS CONV:	NA
MIN INSTR RANGE:	4	MAX INSTR RANGE:	1204
		ZERO REF:	4
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	NORTH PEN AREA EL. 100		
ALARM/TRIP SETPOINT INFO:	LO:600.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF STEAM PRESSURE IN STEAM GENERATOR. TRIP SETPOINTS BASED ON SG PRESSURE MISMATCH > 100PSI AND SG PRESSURE < 600PSIG IN CONJUNCTION WITH OTHER SG PRESSURE CHANNELS.		
Design Input:	DWG 626553		
RECORD NUMBER:	13		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	SG PRESS 4	POINT ID:	U2PT0544AS
PLANT POINT DESCRIPTION:	#24 SG STEAM OUT PRESS CHAN I		
ERDS DESC:	STEAM GENERATOR PRESSURE	ANALOG/DIGITAL	A
ENG UNITS:	PSIG	ENG UNITS CONV:	NA
MIN INSTR RANGE:	4	MAX INSTR RANGE:	1204
		ZERO REF:	4
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	SOUTH PEN AREA EL. 100		
ALARM/TRIP SETPOINT INFO:	LO:600.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF STEAM PRESSURE IN STEAM GENERATOR. TRIP SETPOINTS BASED ON SG PRESSURE MISMATCH > 100PSI AND SG PRESSURE < 600PSIG IN CONJUNCTION WITH OTHER SG PRESSURE CHANNELS.		
Design Input:	DWG 626556		
RECORD NUMBER:	14		



DATE	11/26/2001	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MN FD FL 1	POINT ID:	U2FT0510S
PLANT POINT DESCRIPTION:	#21 SG FEEDWATER IN FLO CHAN I		
ERDS DESC:	STEAM GENERATOR FEED FLOW	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	12	MAX INSTR RANGE:	120
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BETWEEN FW HEATER & SG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	NA		
NOTES	<div>FLOW &lt; 12% NOT MEANINGFUL; VALUES CLAMPED.  CONVERT % TO LBM/HR: FLOW LBM/HR = 14502.55 X THERMAL EXPANSION FACTOR X SQRT(SPECIFIC WT) X FLOW IN PERCENT / 2.83169 FOR EXPANSION FACTOR AND SQRT SPECIFIC WEIGHT, REFER TO EXHIBIT 1 OF PROCEDURE SC.RE-ST.ZZ-0001(Q)</div>		
Design Input:	SC.RE-ST.ZZ-0001(Q); DWG 623093, DCP 80010288		
RECORD NUMBER:	15		

DATE	11/26/2001	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MN FD FL 2	POINT ID:	U2FT0520S
PLANT POINT DESCRIPTION:	#22 SG FEEDWATER IN FLO CHAN I		
ERDS DESC:	STEAM GENERATOR FEED FLOW	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	12	MAX INSTR RANGE:	120
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BETWEEN FW HEATER & SG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	NA		
NOTES	FLOW < 12% NOT MEANINGFUL; VALUES CLAMPED.  CONVERT % TO LBM/HR: FLOW LBM/HR = 14495.33 X THERMAL EXPANSION FACTOR X SQRT(SPECIFIC WT) X FLOW IN PERCENT / 2.83028 FOR EXPANSION FACTOR AND SQRT SPECIFIC WEIGHT, REFER TO EXHIBIT 1 OF PROCEDURE SC.RE-ST.ZZ-0001(Q)		
Design Input:	SC.RE-ST.ZZ-0001(Q); DWG 623095;DCP 80010288		
RECORD NUMBER:	16		

DATE	11/26/2001	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MN FD FL 3	POINT ID:	U2FT0530S
PLANT POINT DESCRIPTION:	#23 SG FEEDWATER IN FLO CHAN I		
ERDS DESC:	STEAM GENERATOR FEED FLOW	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	12	MAX INSTR RANGE:	120
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BETWEEN FW HEATER & SG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	NA		
NOTES	<div>FLOW &lt; 12% NOT MEANINGFUL; VALUES CLAMPED.  CONVERT % TO LBM/HR: FLOW LBM/HR = 14502.19 X THERMAL EXPANSION FACTOR X SQRT(SPECIFIC WT) X FLOW IN PERCENT / 2.83161 FOR EXPANSION FACTOR AND SQRT SPECIFIC WEIGHT, REFER TO EXHIBIT 1 OF PROCEDURE SC.RE-ST.ZZ-0001(Q).</div>		
Design Input:	SC.RE-ST.ZZ-0001(Q); DWG 613097;DCP 80010288		
RECORD NUMBER:	17		

DATE	11/26/2001	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MN FD FL 4	POINT ID:	U2FT0540S
PLANT POINT DESCRIPTION:	#24 SG FEEDWATER IN FLO CH I		
ERDS DESC:	STEAM GENERATOR FEED FLOW	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	12	MAX INSTR RANGE:	120
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BETWEEN FW HEATER & SG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	NA		
NOTES	FLOW < 12% NOT MEANINGFUL; VALUES CLAMPED.  CONVERT % TO LBM/HR: FLOW LBM/HR = 14504.21 X THERMAL EXPANSION FACTOR X SQRT(SPECIFIC WT) X FLOW IN PERCENT / 2.83201 FOR EXPANSION FACTOR AND SQRT SPECIFIC WEIGHT, REFER TO EXHIBIT 1 OF PROCEDURE SC.RE-ST.ZZ-0001(Q).		
Design Input:	SC.RE-ST.ZZ-0001(Q); DWG 613099;DCP 80010288		
RECORD NUMBER:	18		



DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	AX FD FL 1	POINT ID:	U2FA1087S
PLANT POINT DESCRIPTION:	#21 SG AFW FLOW		
ERDS DESC:	STEAM GENERATOR AUX FW FLOW	ANALOG/DIGITAL	A
ENG UNITS:	LB/HR	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	25,000	MAX INSTR RANGE:	250,000
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NONE		
SENSOR LOCATION:	BETWEEN AUX FD PUMP & SG FD LINE		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.		
Design Input:	PROC S2.IC-CC.AF-0216Q		
RECORD NUMBER:	19		

RECORD NUMBER: 20

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: AX FD FL 3

POINT ID: U2FA1095S

PLANT POINT DESCRIPTION: #23 SG AFW FLOW

ERDS DESC: STEAM GENERATOR AUX FW FLOW

ANALOG/DIGITAL A

ENG UNITS: LB/HR

ENG UNITS CONV: SQRT OF DP \* CONST

MIN INSTR RANGE: 25,000

MAX INSTR RANGE: 250,000

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NONE

SENSOR LOCATION: BETWEEN AUX FD PUMP & SG FD LINE

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES FEED FLOW < 25,000 LB/HR CLAMPED  
TO ZERO.

Design Input: PROC S2.IC-SC.AF-0218Q

RECORD NUMBER: 21

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: AX FD FL 4

POINT ID: U2FA1097S

PLANT POINT DESCRIPTION: #24 SG AFW FLOW

ERDS DESC: STEAM GENERATOR #24 AUX FD FLOW

ANALOG/DIGITAL A

ENG UNITS: LB/HR

ENG UNITS CONV: SQRT OF DP \* CONST

MIN INSTR RANGE: 25,000

MAX INSTR RANGE: 250,000

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NONE

SENSOR LOCATION: BETWEEN AUX FD PUMP & SG FD LINE

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES FEED FLOW < 25,000 LB/HR CLAMPED  
TO ZERO.

Design Input: PROC S2.IC-SC.AF-0219Q

RECORD NUMBER: 22



DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	HL TEMP 1	POINT ID:	U2TE0413AS
PLANT POINT DESCRIPTION:	#21 RC WR HOT LEG TEMP		
ERDS DESC:	STM GEN1 INLET TEMP	ANALOG/DIGITAL	A
ENG UNITS:	DEGF	ENG UNITS CONV:	NA
MIN INSTR RANGE:	30	MAX INSTR RANGE:	700
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	IN CNTMNT ON HOT LEG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF CORE HOT LEG		
	TEMPERATURE. PROVIDES INPUT TO T-AVG +		
	DELTA-T INSTRUMENTATION FOR COMPUTATION/		
	ALARMS/TRIPS.		
Design Input:	PROC 2IC-2.10.54		
RECORD NUMBER:	23		

DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	HL TEMP 2	POINT ID:	U2TE0423AS
PLANT POINT DESCRIPTION:	#22 RC WR HOT LEG TEMP		
ERDS DESC:	STM GEN2 INLET TEMP	ANALOG/DIGITAL	A
ENG UNITS:	DEGF	ENG UNITS CONV:	NA
MIN INSTR RANGE:	30	MAX INSTR RANGE:	700
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	IN CNTMNT ON HOT LEG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF CORE HOT LEG		
	TEMPERATURE. PROVIDES INPUT TO T-AVG +		
	DELTA-T INSTRUMENTATION FOR COMPUTATION/		
	ALARMS/TRIPS.		
Design Input:	PROC 2IC-2.10.060		
RECORD NUMBER:	24		

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: HL TEMP 3

POINT ID: U2TE0433AS

PLANT POINT DESCRIPTION: #23 RC WR HOT LEG TEMP

ERDS DESC: STM GEN3 INLET TEMP ANALOG/DIGITAL A

ENG UNITS: DEGF ENG UNITS CONV: NA

MIN INSTR RANGE: 30 MAX INSTR RANGE: 700 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: IN CNTMNT ON HOT LEG

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES PROVIDES INDICATION OF CORE HOT LEG  
TEMPERATURE. PROVIDES INPUT TO T-AVG +  
DELTA-T INSTRUMENTATION FOR COMPUTATION/  
ALARMS/TRIPS.

Design Input: PROC 2IC-2.10.66

RECORD NUMBER: 25

DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	HL TEMP 4	POINT ID:	U2TE0443AS
PLANT POINT DESCRIPTION:	#24 RC WR HOT LEG TEMP		
ERDS DESC:	STM GEN4 INLET TEMP	ANALOG/DIGITAL	A
ENG UNITS:	DEGF	ENG UNITS CONV:	NA
MIN INSTR RANGE:	30	MAX INSTR RANGE:	700
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	IN CNTMNT ON HOT LEG		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INDICATION OF CORE HOT LEG		
	TEMPERATURE. PROVIDES INPUT TO T-AVG +		
	DELTA-T INSTRUMENTATION FOR COMPUTATION/		
	ALARMS/TRIPS.		
Design Input:	PROC 2IC-2.10.72		
RECORD NUMBER:	26		



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DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: CL TEMP 2

POINT ID: U2TE0423BS

PLANT POINT DESCRIPTION: #22 RC WR COLD LEG TEMP

ERDS DESC: STM GEN2 OUTLET TEMP ANALOG/DIGITAL A

ENG UNITS: DEGF ENG UNITS CONV: NA

MIN INSTR RANGE: 30 MAX INSTR RANGE: 700 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: IN CNTMNT ON COLD LEG

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES PROVIDES INDICATION OF CORE ENTRY  
COLD LEG TEMPERATURE. PROVIDES INPUT TO  
T-AVG + DELTA-T INSTRUMENTATION FOR  
COMPUTATION/ALARMS/TRIPS.

Design Input: PROC 2IC-2.10.61

RECORD NUMBER: 28

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: CL TEMP 3

POINT ID: U2TE0433BS

PLANT POINT DESCRIPTION: #23 RC WR COLD LEG TEMP

ERDS DESC: STM GEN3 OUTLET TEMP ANALOG/DIGITAL A

ENG UNITS: DEGF ENG UNITS CONV: NA

MIN INSTR RANGE: 30 MAX INSTR RANGE: 700 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: IN CNTMNT ON COLD LEG

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES PROVIDES INDICATION OF CORE ENTRY  
COLD LEG TEMPERATURE. PROVIDES INPUT TO  
T-AVG + DELTA-T INSTRUMENTATION FOR  
COMPUTATION/ALARMS/TRIPS.

Design Input: PROC 2IC-2.10.067

RECORD NUMBER: 29

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: CL TEMP 4

POINT ID: U2TE0443BS

PLANT POINT DESCRIPTION: #24 RC WR COLD LEG TEMP

ERDS DESC: STM GEN4 OUTLET TEMP

ANALOG/DIGITAL A

ENG UNITS: DEGF

ENG UNITS CONV: NA

MIN INSTR RANGE: 30

MAX INSTR RANGE: 700

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: IN CNTMNT ON COLD LEG

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES PROVIDES INDICATION OF CORE ENTRY  
COLD LEG TEMPERATURE. PROVIDES INPUT TO  
T-AVG + DELTA-T INSTRUMENTATION FOR  
COMPUTATION/ALARMS/TRIPS.

Design Input: CBD DE-CB.RCP-0038Q

RECORD NUMBER: 30



DATE	02/14/1997	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	RCS PRESSURE	POINT ID:	U2PT0405S
PLANT POINT DESCRIPTION:	RC WIDE RANGE PRESS		
ERDS DESC:	REACTOR COOLANT SYSTEM PRESSURE	ANALOG/DIGITAL	A
ENG UNITS:	PSIG	ENG UNITS CONV:	NA
MIN INSTR RANGE:	6	MAX INSTR RANGE:	3006
		ZERO REF:	6
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NONE		
SENSOR LOCATION:	PANEL 797, EL. 78		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	PROVIDES INPUT TO SMM, PROVIDES PRESSURE OF RCS IN GENERAL.		
Design Input:	PROC S2.IC-CC.RCP-0071Q		
RECORD NUMBER:	31		

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	PRZR LEVEL	POINT ID:	U2LT0459S
PLANT POINT DESCRIPTION:	PRESSURIZER LEVEL CHAN I		
ERDS DESC:	PRIMARY SYSTEM PRESSURIZER LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	%	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	TOPHTR
REF POINT NOTES:	106 TO 366 IN H2O		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 335, CNTMNT EL. 100		
ALARM/TRIP SETPOINT INFO:	HIHI:92.0, HI:70.0, LO:17.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	WET		
NOTES	100% EQUALS RANGE OF 106 TO 366 INH2O		
	LOWER INSTRUMENT TAP AT TOP OF PZR HTRS.		
Design Input:	PROC S2.IC-CC.RCP-0020Q		
RECORD NUMBER:	32		



RECORD NUMBER: 34



DATE 02/03/1993 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: CTMNT SMP WR

POINT ID: U2LT0938S

PLANT POINT DESCRIPTION: CONTAINMENT SUMP LEVEL

ERDS DESC: CONTAINMENT SUMP WIDE RANGE LVL ANALOG/DIGITAL A

ENG UNITS: % ENG UNITS CONV: NA

MIN INSTR RANGE: 0 MAX INSTR RANGE: 100 ZERO REF: CNTFLR

REF POINT NOTES: 70.4FT TO 87.8FT CNTMNT ELEVATION

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: CONTAINMENT EL. 78

ALARM/TRIP SETPOINT INFO: HI:78.0

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: WET

NOTES WIDE RANGE ONLY. LOOP CONSISTS OF  
3-STAGE CASCADE TMTR.  
REFERENCE S-C-A900-MDC-0082, REV. 1,  
FIGURE 1 FOR CNTMNT VOLUME IN GALLONS.  
HI ALARM SETPOINT-ADVERSE: 75%  
HI ALARM SETPOINT-NORMAL: 78%

Design Input: S-C-A900-MDC-0082, REV. 1; DWG 625016

RECORD NUMBER: 35



37

38



DATE	12/09/1996	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MAIN SL 4	POINT ID:	U2R0046BS
PLANT POINT DESCRIPTION:	MAIN STEAM RAD MON R46B		
ERDS DESC:	STM GEN4 STM LINE RAD LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	MR/HR	ENG UNITS CONV:	LOG SCALE
MIN INSTR RANGE:	0.1	MAX INSTR RANGE:	10,000
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BLDG 04, EL. 100		
ALARM/TRIP SETPOINT INFO:	HI:4.0, HIHI:7.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	<div>ENG. RANGE EQUIVALENT TO 0.1 TO</div> <div>5000 uCi/cc XE-133. PROVIDES INDICATION</div> <div>OF RADIOACTIVITY WITHIN MAIN STEAM LINE.</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
Design Input:	PSBPs 301285,310150, 315263, 315263		
RECORD NUMBER:	39		



DATE	12/09/1996	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	MAIN SL 3	POINT ID:	U2R0046DS
PLANT POINT DESCRIPTION:	MAIN STEAM RAD MON R46D		
ERDS DESC:	STM GEN3 STM LINE RAD LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	MR/HR	ENG UNITS CONV:	LOG SCALE
MIN INSTR RANGE:	0.1	MAX INSTR RANGE:	10,000
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	BLDG 04, EL. 100		
ALARM/TRIP SETPOINT INFO:	HI:4.0, HIHI:7.0		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	<div>ENG. RANGE EQUIVALENT TO 0.1 TO</div> <div>5000 uCi/cc XE-133. PROVIDES INDICATION</div> <div>OF RADIOACTIVITY WITHIN MAIN STEAM LINE.</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>		
Design Input:	MMIS 2RA 4075		
RECORD NUMBER:	41		

DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: CTMNT PRESS

POINT ID: U2PT0948DS

PLANT POINT DESCRIPTION: CNTMT PRESSURE CHANNEL I

ERDS DESC: CONTAINMENT PRESSURE ANALOG/DIGITAL A

ENG UNITS: PSIG ENG UNITS CONV: NA

MIN INSTR RANGE: -5 MAX INSTR RANGE: +55 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: INSIDE CONTAINMENT

ALARM/TRIP SETPOINT INFO: HIGH: 4. HIGH-HIGH: 23.5

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES NARROW RANGE CHANNEL.

Design Input: PROC S2.IC-CC.RCP-0069Q

RECORD NUMBER: 42







DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	WIND SPEED	POINT ID:	U2XA8496S
PLANT POINT DESCRIPTION:	WIND SPEED 30 FT ELEV		
ERDS DESC:	WIND SPEED AT REACTOR SITE	ANALOG/DIGITAL	A
ENG UNITS:	MPH	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	100
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	MET TOWER		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	INSTANTANEOUS READINGS ONLY.		
	30 FT. ELEVATION IS MOST REPRESENTATIVE		
	OF SITE CONDITIONS.		
Design Input:			
RECORD NUMBER:	45		

DATE	10/20/1992	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	WIND DIR	POINT ID:	U2XA8499S
PLANT POINT DESCRIPTION:	WIND DIRECTION 30 FT ELEV		
ERDS DESC:	WIND DIRECTION	ANALOG/DIGITAL	A
ENG UNITS:	DEGFR	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	540
		ZERO REF:	NA
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	MET TOWER		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	AS IS		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	NA		
NOTES	INSTANTANEOUS DIRECTION ONLY		
Design Input:			
RECORD NUMBER:	46		



DATE 10/20/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: LP SI FLOW

POINT ID: U2FT0946S

PLANT POINT DESCRIPTION: #21 RHRHX OUTLET FLOW

ERDS DESC: LOW PRESSURE SAFETY INJ FLOW

ANALOG/DIGITAL A

ENG UNITS: GPM

ENG UNITS CONV: NA

MIN INSTR RANGE: 500

MAX INSTR RANGE: 5000

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: PANEL 104 AUX BLDG EL. 45 RHR PP RM

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS: Y

LEVEL REF LEG: NA

NOTES RANGE EQUAL TO 0-64 PSID; FLOW < 500 GPM  
CLAMPED TO ZERO.

Design Input: PROC S1.IC-CC.RHR-0201Q

RECORD NUMBER: 47

DATE	02/03/1993	REACTOR	SA2
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	BWST LEVEL	POINT ID:	U2LT0961S
PLANT POINT DESCRIPTION:	RWST LEVEL CH D		
ERDS DESC:	REFUELING WATER STOR. TK LEVEL	ANALOG/DIGITAL	A
ENG UNITS:	FT	ENG UNITS CONV:	NA
MIN INSTR RANGE:	0	MAX INSTR RANGE:	48
		ZERO REF:	TNKBOT
REF POINT NOTES:	NA		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	PANEL 378 AT RWST		
ALARM/TRIP SETPOINT INFO:	HI:41.9, LO:15.25, LOLO:11.5		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:			
LEVEL REF LEG:	WET		
NOTES	PROVIDES INDICATION AND ALARM OF WATER LEVEL IN THE RWST. FULL TANK EQUALS 400,000 GAL, LO ALARM OF 15.25 FT IS APPROX 150,000 GAL, LOLO OF 11.5 FT IS APPROX 115,000 GAL, AND A HI OF 41.9 FT IS APPROX 375,000 GAL, REMAINING.          		
Design Input:	S2.OP.OP-DD.ZZ-OD-74, CBDs DE-CB.SI-0040Q		
RECORD NUMBER:	48		

DATE	11/17/1992	REACTOR	SA1
DATA FEEDER:	SPDS		
NRC ERDS PARAMETER:	HP SI FLOW	POINT ID:	U2FT0918S
PLANT POINT DESCRIPTION:	#22 SAFETY INJ PUMP DISCH FLOW		
ERDS DESC:	HIGH PRESSURE SAFETY INJ FLOW	ANALOG/DIGITAL	A
ENG UNITS:	GPM	ENG UNITS CONV:	SQRT OF DP * CONST
MIN INSTR RANGE:	80	MAX INSTR RANGE:	800
		ZERO REF:	NA
REF POINT NOTES:	CORRECTED FOR 1000PSI STATIC SHIFT		
PROC OR SENSOR:	S	NUMBER SENSORS:	001
HOW PROCESSED:	NA		
SENSOR LOCATION:	AUX BLDG, EL. 84		
ALARM/TRIP SETPOINT INFO:	NONE		
NI DETECTOR PWR CUT OFF LVL:	NA		
NI DETECTOR PWR TURN ON LVL:	NA		
INSTRUMENT FAIL MODE:	LOW		
TEMP COMP FOR DP TRANSMITTERS:	Y		
LEVEL REF LEG:	NA		
NOTES	FLOW EQUIVALENT TO 0 TO 799 INH20 DP.		
	FLOW < 80GPM CLAMPED TO ZERO.		
Design Input:			
RECORD NUMBER:	49		

DATE 11/17/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: LP SI FLOW

POINT ID: U2FT0947S

PLANT POINT DESCRIPTION: #22 RHRHX OUTLET FLOW

ERDS DESC: LOW PRESSURE SAFETY INJ FLOW

ANALOG/DIGITAL A

ENG UNITS: GPM

ENG UNITS CONV: NA

MIN INSTR RANGE: 500

MAX INSTR RANGE: 5000

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: PANEL 104 AUX BLDG EL. 45 RHR PP RM

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS: Y

LEVEL REF LEG: NA

NOTES RANGE EQUAL TO 0-64 PSID; FLOW  
< 500 GPM CLAMPED TO ZERO.

Design Input:

RECORD NUMBER: 50





DATE 11/17/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: WIND SPEED

POINT ID: U2XA8498S

PLANT POINT DESCRIPTION: WIND SPEED 300 FT ELEV

ERDS DESC: WIND SPEED AT REACTOR SITE

ANALOG/DIGITAL A

ENG UNITS: MPH

ENG UNITS CONV: NA

MIN INSTR RANGE: 0

MAX INSTR RANGE: 100

ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S

NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: MET TOWER

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: LOW

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES INSTANTANEOUS READINGS ONLY.

Design Input:

DATE 11/17/1992 REACTOR SA2

DATA FEEDER: SPDS

NRC ERDS PARAMETER: WIND DIR

POINT ID: U2XA8500S

PLANT POINT DESCRIPTION: WIND DIRECTION 150 FT ELEV

ERDS DESC: WIND DIRECTION AT REACTOR SITE ANALOG/DIGITAL A

ENG UNITS: DEGFR ENG UNITS CONV: NA

MIN INSTR RANGE: 0 MAX INSTR RANGE: 540 ZERO REF: NA

REF POINT NOTES: NA

PROC OR SENSOR: S NUMBER SENSORS: 001

HOW PROCESSED: NA

SENSOR LOCATION: MET TOWER

ALARM/TRIP SETPOINT INFO: NONE

NI DETECTOR PWR CUT OFF LVL: NA

NI DETECTOR PWR TURN ON LVL: NA

INSTRUMENT FAIL MODE: AS IS

TEMP COMP FOR DP TRANSMITTERS:

LEVEL REF LEG: NA

NOTES INSTANTANEOUS DIRECTION ONLY.


Design Input:

RECORD NUMBER: 53

RECORD NUMBER: 54