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Nuclear Department

APR 13 1993
NLR-N93043

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

Gentlemen:

SUBMITTAL OF UPDATED EMERGENCY RESPONSE DATA SYSTEM (ERDS)
DATA POINT LIBRARIES
SALEM AND HOPE CREEK GENERATING STATIONS
DOCKET NOS. 50-272, 50-311, AND 50-354

Public Service Electric and Gas (PSE&G) hereby submits the updated Data Point Libraries (DPL) in accordance with NUREG-1394 Revision 1, Appendix C. The changes reflect corrections made during ERDS testing. These modifications were discussed with the NRC and NUS (the NRC's contractor) during preliminary and final testing.

Attachment 1 contains a summary of the specific modifications for Salem and Hope Creek. Attachment 2 contains the complete updated DPL for Salem Units 1 and 2, and Hope Creek. Attachment 3 contains the submittal of a more legible copy of S-C-A900-MDC-0082, Figure 2.

Should you have any questions in regard to this transmittal, please contact us.

Sincerely,

J. J. Hagan
Vice President -
Nuclear Operations

Attachment (2)

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PDR ADOCK 05000272
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The power is in your hands.

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ATTACHMENT 1

Summary of Specific DPL Modifications

A. SALEM UNITS 1 & 2

1. Five point identifications (ids) for each unit have been modified, since the Salem ERDS application software can only process point ids with a maximum of ten characters. The NRC parameters affected are:

<u>NRC Parameter</u>	<u>New Salem ERDS Point Id (Unit 1/unit 2)</u>
NI INTER RNG	(U1NM0035BB / U2NM0035BB)
NI SOURC RNG	(U1NM0031FA / U2NM0031FA)
TEMP CORE EX	(U1TC-HOTTE / U2TC-HOTTE)
SUB MARGIN	(U1ASUBCOOL / U2ASUBCOOL)
CTMNT TEMP	(U1AVG-CNT- / U2AVG-CNT-)

2. A typographical error in the description of NRC parameter H2 CONC is corrected.
3. The scale for NRC parameter EFF GAS RAD is corrected for both units.
4. Alarm setpoints for the following NRC parameters are adjusted to match those of the computer source (SPDS) , instead of those from other indicators:

NI POWER RNG	SG LEVELs	CNTMNT RAD	H2 CONC
MN FD FLs	SG PRESSs	MAIN SLs	BWST LEVEL
RCS PRESSURE	CTMNT SMP WR	CTMNT TEMP	PRZR LEVEL
NI SOURC NG			

5. A typographical error in the generic description is corrected for NRC parameter MAIN SL 2 (Unit 1 only).
6. A typographical error in the generic description is corrected for NRC parameter MAIN SL 3.

B. HOPE CREEK

1. Alarm setpoints for the following NRC parameters are adjusted to match those of the computer source (SPDS), instead of those from other indicators:

NI POWER RNG	DW RAD	H2 CONC
EFF GAS RAD	SP LEVEL	O2 CONC

2. The Unique System Description for NRC parameter EFF GAS RAD is modified to state that it is composed of the four plant release paths.

NLR-N93043

ATTACHMENT 2A

UPDATED DATA POINT LIBRARY SALEM UNIT 1

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	NI POWER RNG
Point ID:	U1NM0041FS
Plant Spec Point Desc.:	POWER RNG PERCENT CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS -POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	HIGH: 103
NI Detector Power Supply Cut-off Power Level:	120% POWER
NI Detector Power Supply Turn-on Power Level:	0% POWER
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: NI POWER RNG
Point ID: U1NM0041FS
Plant Spec Point Desc.: POWER RNG PERCENT CH I

Unique System Desc.: 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
AND LOWER FLUX AVG. LOW1 SETPOINT (9)
INTERLOCKED WITH P-10. LOW2 SETPOINT
(11) INTERLOCKED WITH P-7. HIGH1 SETPOINT
(36) INTERLOCKED WITH P-8. HIGH2
SETPOINT (50) INTERLOCKED WITH P-9.
ALARM SETPOINT (103) IS FROM SPDS.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	NI INTER RNG
Point ID:	U1NM0035BB
Plant Spec Point Desc.:	INTERM RNG NEUTRON LVL CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS-INTERMD RNGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LINEAR
Minimum Instr Range:	1E-11
Maximum Instr Range:	1E-03
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	SUR/IR/PR OVRLP
NI Detector Power Supply Turn-on Power Level:	1E-11 AMPS
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	NI INTER RNG
Point ID:	U1NM0035BB
Plant Spec Point Desc.:	INTERM RNG NEUTRON LVL CH I

Unique System Desc.:	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 HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U1NM0035BBS. LOW1 SETPOINT IS 6E-11. LOW2 SETPOINT IS 1E-10.
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DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	U1NM0031FA
Plant Spec Point Desc.:	SOURCE RNG NEUTRON LVL CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	NA
Minimum Instr Range:	1E0
Maximum Instr Range:	1E6
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	SUR/IR OVERLAP
NI Detector Power Supply Turn-on Power Level:	1E0 CPS
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	NI SOURC RNG
Point ID:	U1NM0031FA
Plant Spec Point Desc.:	SOURCE RNG NEUTRON LVL CH I
Unique System Desc.:	CHANNEL PROVIDES INDICATION OF LOW LEVEL NEUTRON ACTIVITY TO THE OPERATOR. PROVIDES REACTOR TRIP ON HIGH FLUX. THE SPDS HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U1NM0031FAS.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	U1LT1311S
Plant Spec Point Desc.:	RV LEVEL FULL RANGE TRAIN A
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	COMPLX
Reference Point Notes:	SEAL TABLE ELEV. 104
PROC or SENS:	P
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANELS 839-1A, 839-1E
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	HIGH/LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: REAC VES LEV
Point ID: U1LT1311S
Plant Spec Point Desc.: RV LEVEL FULL RANGE TRAIN A

Unique System Desc.: 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% LEVEL EQUALS TOP OF HEAD.
AT 0% VOID FRACTION 50% LEVEL EQUALS
3.5 FT ABOVE TOP OF ACTIVE FUEL.
0 TO 120% : 0 TO 495.25 INCHES

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	U1TC-HOTTE
Plant Spec Point Desc.:	HOTTEST INCORE THERMOCOUPLE
Generic/Cond Desc.:	HIGHEST TEMP AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	2450
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	65
How Processed:	HIGH SELECT
Sensor Locations:	INCORE
Alarm/Trip Set Points:	NA
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	0.0
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	TEMP CORE EX
Point ID:	U1TC-HOTTE
Plant Spec Point Desc.:	HOTTEST INCORE THERMOCOUPLE
Unique System Desc.:	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 U1TC-HOTTEST.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SUB MARGIN
Point ID:	U1ASUBCOOL
Plant Spec Point Desc.:	SUBCOOLING MARGIN TRAIN A
Generic/Cond Desc.:	SATURATION TEMPERATURE: T-REP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	250
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	032
How Processed:	T-REP VS RCS PRESS
Sensor Locations:	VESSEL + CTMNT
Alarm/Trip Set Points:	10F DEC
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SUB MARGIN
Point ID:	U1ASUBCOOL
Plant Spec Point Desc.:	SUBCOOLING MARGIN TRAIN A
Unique System Desc.:	MARGIN BASED ON CE ALGORITHMS. AUTOMATIC COMPENSATION DURING ADVERSE CNTMNT CONDITIONS. 29 CETS SCANNED PER CHANNEL PLUS RCS PRESS, CNTMNT PRESS, & CNTMNT RAD. THE SPDS POINT ID HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U1ASUBCOOLMR.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 1
Point ID:	U1LT0501S
Plant Spec Point Desc.:	#11 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 1
Point ID:	U1LT0501S
Plant Spec Point Desc.:	#11 SG LEVEL WIDE RANGE
Unique System Desc.:	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS. NR TRIPS AT 67 INC, 16 DEC. LOWER INSTRU- MENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 2
Point ID:	U1LT0502S
Plant Spec Point Desc.:	#12 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 2
Point ID:	U1LT0502S
Plant Spec Point Desc.:	#12 SG LEVEL WIDE RANGE
Unique System Desc.:	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS. NR TRIPS AT 67 INC, 16 DEC. LOWER INSTRUMENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 3
Point ID:	U1LT0503S
Plant Spec Point Desc.:	#13 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 3
Point ID:	U1LT0503S
Plant Spec Point Desc.:	#13 SG LEVEL WIDE RANGE
Unique System Desc.:	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS. NR TRIPS AT 67 INC, 16 DEC. LOWER INSTRUMENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 4
Point ID:	U1LT0504S
Plant Spec Point Desc.:	#14 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number or Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 4
Point ID:	U1LT0504S
Plant Spec Point Desc.:	#14 SG LEVEL WIDE RANGE
Unique System Desc.:	PROVIDES INDICATION OF WATER LEVEL IN STEAM GENERATOR. TRIP SETPOINTS PROVIDED BY NARROW RANGE CHANNELS. NR TRIPS AT 67 INC, 16 DEC. LOWER INSTRUMENT TAP 10 INCHES ABOVE TUBE SHEET. ELEV. OF TOP OF TUBE BUNDLE IS 140'3".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 1
Point ID:	U1PT0514AS
Plant Spec Point Desc.:	#11 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	NORTH PEN AREA EL. 100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG PRESS 1
Point ID: U1PT0514AS
Plant Spec Point Desc.: #11 3G STEAM OUT PRESS CHAN I

Unique System Desc.: 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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 2
Point ID:	U1PT0524AS
Plant Spec Point Desc.:	#12 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	SOUTH PE' AREA EL.100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG PRESS 2
Point ID: U1PT0524AS
Plant Spec Point Desc.: #12 SG STEAM OUT PRESS CHAN I

Unique System Desc.: 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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 3
Point ID:	U1PT0534AS
Plant Spec Point Desc.:	#13 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATION PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	NORTH PEN AREA EL.100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG PRESS 3
Point ID: U1PT0534AS
Plant Spec Point Desc.: #13 SG STEAM OUT PRESS CHAN I

Unique System Desc.: 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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 4
Point ID:	U1PT0544AS
Plant Spec Point Desc.:	#14 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	SOUTH PEN AREA EL.100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG PRESS 4
Point ID: U1PT0544AS
Plant Spec Point Desc.: #14 SG STEAM OUT PRESS CHAN I

Unique System Desc.: 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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 1
Point ID:	U1FT0510S
Plant Spec Point Desc.:	#11 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 1
Point ID: U1FT0510S
Plant Spec Point Desc.: #11 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 19104 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.85496
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S1.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 2
Point ID:	U1FT0520S
Plant Spec Point Desc.:	#12 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 2
Point ID: U1FT0520S
Plant Spec Point Desc.: #12 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 18989 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.67022
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S1.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 3
Point ID:	U1FT0530S
Plant Spec Point Desc.:	#13 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 3
Point ID: U1FT0530S
Plant Spec Point Desc.: #13 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 19160 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.82935
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S1.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 4
Point ID:	U1FT0540S
Plant Spec Point Desc.:	#14 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 4
Point ID: U1FT0540S
Plant Spec Point Desc.: #14 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 19075 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.76288
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S1.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 1
Point ID:	U1FA1087S
Plant Spec Point Desc.:	#11 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: AX FD FL 1

Point ID: U1FA1087S

Plant Spec Point Desc.: #11 SG AFW FLOW

Unique System Desc.: FEED FLOW < 25,000 LB/HR CLAMPED
TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 2
Point ID:	U1FA1091S
Plant Spec Point Desc.:	#12 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 2
Point ID:	U1FA1091S
Plant Spec Point Desc.:	#12 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 3
Point ID:	U1FA1095S
Plant Spec Point Desc.:	#13 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FEED LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 3
Point ID:	U1FA1095S
Plant Spec Point Desc.:	#13 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 4
Point ID:	U1FA1097S
Plant Spec Point Desc.:	#14 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FEED LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 4
Point ID:	U1FA1097S
Plant Spec Point Desc.:	#14 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 1
Point ID:	U1TE0413AS
Plant Spec Point Desc.:	#11 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN1 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	1N CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 1
Point ID:	U1TE0413AS
Plant Spec Point Desc.:	#11 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 2
Point ID:	U1TE0423AS
Plant Spec Point Desc.:	#12 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN2 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 2
Point ID:	U1TE0423AS
Plant Spec Point Desc.:	#12 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 3
Point ID:	U1TE0433AS
Plant Spec Point Desc.:	#13 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN3 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 3
Point ID:	U1TE0433AS
Plant Spec Point Desc.:	#13 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 4
Point ID:	U1TE0443AS
Plant Spec Point Desc.:	#14 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN4 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 4
Point ID:	U1TE0443AS
Plant Spec Point Desc.:	#14 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 1
Point ID:	U1TE0413BS
Plant Spec Point Desc.:	#11 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN1 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 1
Point ID:	U1TE0413BS
Plant Spec Point Desc.:	#11 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 2
Point ID:	U1TE0423BS
Plant Spec Point Desc.:	#12 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN2 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 2
Point ID:	U1TE0423BS
Plant Spec Point Desc.:	#12 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 3
Point ID:	U1TE0433BS
Plant Spec Point Desc.:	#13 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN3 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 3
Point ID:	U1TE0433BS
Plant Spec Point Desc.:	#13 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 4
Point ID:	U1TE0443BS
Plant Spec Point Desc.:	#14 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN4 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 4
Point ID:	U1TE0443BS
Plant Spec Point Desc.:	#14 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	U1PT0405S
Plant Spec Point Desc.:	RC WIDE RANGE PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	6
Maximum Instr Range:	3006
Zero Point Reference:	6
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	PANEL 797, CNTMNT EL. 78
Alarm/Trip Set Points:	LOW: 1865, HIGH: 2385
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	RCS PRESSURE
Point ID:	U1PT0405S
Plant Spec Point Desc.:	RC WIDE RANGE PRESS
Unique System Desc.:	PROVIDES INPUT TO SMM, PROVIDES PRESSURE OF RCS IN GENERAL.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	U1LT0459S
Plant Spec Point Desc.:	PRESSURIZER LEVEL CHAN I
Generic/Cond Desc.:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TOPHTR
Reference Point Notes:	106 TO 366 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 335, CNTMNT EL. 100
Alarm/Trip Set Points:	LO:17.0, HI:70.0, HIHI:92.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	PRZR LEVEL
Point ID:	U1LT0459S
Plant Spec Point Desc.:	PRESSURIZER LEVEL CHAN I
Unique System Desc.:	100% EQUALS RANGE OF 106 TO 366 INH2O LOWER INSTRUMENT TAP AT TOP OF PZR HTRS

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	U1FT0128S
Plant Spec Point Desc.:	CHARGING FLOW
Generic/Cond Desc.:	PRIMARY SYSTEM CHARGING FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	20
Maximum Instr Range:	200
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	#13 PUMP OUTLET, EL.84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	RCS CHG/MU
Point ID:	U1FT0128S
Plant Spec Point Desc.:	CHARGING FLOW
Unique System Desc.:	FLOW EQ TO 0-237 H2O; CHARGING FLOW < 20GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HP SI FLOW
Point ID:	U1FT0922S
Plant Spec Point Desc.:	#11 SAFETY INJ PUMP DISCH FLOW
Generic/Cond Desc.:	HIGH PRESS SFTY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	80
Maximum Instr Range:	800
Zero Point Reference:	NA
Reference Point Notes:	CORRECTED FOR 1000PSI STATIC SHIFT
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	AUX BLDG EL.84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HP SI FLOW
Point ID:	U1FT0922S
Plant Spec Point Desc.:	#11 SAFETY INJ PUMP DISCH FLOW
Unique System Desc.:	FLOW EQUIVALENT TO 0 TO 799 INH20 DP. FLOW < 80GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	U1LT0938S
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL
Generic/Cond Desc.:	CONTAINMENT SUMP WIDE RANGE LVL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	CNTFLR
Reference Point Notes:	70.4FT TO 87.8FT. CNTMNT ELEVATION
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	CNTNMNT EL. 78
Alarm/Trip Set Points:	HI:76
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	U1LT0938S
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL
Unique System Desc.:	WIDE RANGE ONLY. LOOP CONSISTS OF 3-STAGE CASCADE TMTR. REFERENCE S-C-A900-MDC-0082, REV. 1, FIGURE 1 FOR CNTNMNT VOLUME IN GALLONS.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	U1NGRR
Plant Spec Point Desc.:	NOBLE GAS RELEASE RATE
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	UCI/S
Engr Units Conversion:	UCI/CC * FLOW RATE * CONSTANT
Minimum Instr Range:	0
Maximum Instr Range:	1E10
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	007
How Processed:	NA
Sensor Locations:	ON PLANT VENT LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	EFF GAS RAD
Point ID:	U1NGRR
Plant Spec Point Desc.:	NOBLE GAS RELEASE RATE
Unique System Desc.:	COMPUTED BY SPDS. PROVIDES INDICATION OF RADIOACTIVITY RELEASE RATE IN PLANT STACK EFFLUENT.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	U1R0044AS
Plant Spec Point Desc.:	R44A CNTMT POST LOCA RAD MON
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	LOG
Minimum Instr Range:	1E0
Maximum Instr Range:	1E7
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT
Alarm/Trip Set Points:	HI:100, HIHI:1000.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CNTMNT RAD
Point ID:	U1R0044AS
Plant Spec Point Desc.:	R44A CNTMT POST LOCA RAD MON
Unique System Desc.:	PROVIDES INDICATION OF GENERAL RADIATION LEVEL INSIDE CONTAINMENT.

DATA POINT LIBRARY REFERENCE FILE

Date:	03/23/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 2
Point ID:	U1R0046AS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46A
Generic/Cond Desc.:	STM GEN2 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 2
Point ID:	U1R0046AS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46A
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
WRC ERDS Parameter:	MAIN SL 4
Point ID:	U1R0046BS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46B
Generic/Cond Desc.:	STM GEN4 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 4
Point ID:	U1R0046BS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46B
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/CC XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 1
Point ID:	U1R0046CS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46C
Generic/Cond Desc.:	STM GEN1 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 1
Point ID:	U1R0046CS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46C
Unique System Desc.:	ENG RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	03/23/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 3
Point ID:	U1R0046DS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46D
Generic/Cond Desc.:	STM GEN3 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 3
Point ID:	U1R0046DS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46D
Unique System Desc.:	ENG RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133 PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	U1PT0948DS
Plant Spec Point Desc.:	CNTMT PRESSURE CHANNEL I
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	-5
Maximum Instr Range:	+55
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	INSIDE CNTMNT
Alarm/Trip Set Points:	HIGH: 4, HIGH-HIGH: 23.5
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT PRESS
Point ID:	U1PT0948DS
Plant Spec Point Desc.:	CNTMT PRESSURE CHANNEL I
Unique System Desc.:	NARROW RANGE CHANNEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U1AVG-CNT-
Plant Spec Point Desc.:	AVERAGE CONTAINMENT TEMP
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	015
How Processed:	AVERAGE OF ALL SENSORS
Sensor Locations:	CNTMNT EL. 78,84,87,106,121,130,& 136
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U1AVG-CNT-
Plant Spec Point Desc.:	AVERAGE CONTAINMENT TEMP
Unique System Desc.:	SPDS CALCULATED POINT. THE SPDS POINT ID HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U1AVG-CNT-T.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	H2 CONC
Point ID:	U1XA3361S
Plant Spec Point Desc.:	CNTMNT HYDROGEN LVL #11
Generic/Cond Desc.:	CNTMNT HYDROGEN CONCENTRATION
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	INSIDE CNTMNT
Alarm/Trip Set Points:	HI:2, HIHI:4
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	H2 CONC
Point ID:	U1XA3361S
Plant Spec Point Desc.:	CNTMNT HYDROGEN LVL #11
Unique System Desc.:	PROVIDES INDICATION OF H2 IN CNTMNT.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8496S
Plant Spec Point Desc.:	WIND SPEED 30 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8496S
Plant Spec Point Desc.:	WIND SPEED 30 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8497S
Plant Spec Point Desc.:	WIND SPEED 150 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8497S
Plant Spec Point Desc.:	WIND SPEED 150 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8498S
Plant Spec Point Desc.:	WIND SPEED 300 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U1XA8498S
Plant Spec Point Desc.:	WIND SPEED 300 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8499S
Plant Spec Point Desc.:	WIND DIRECTION 30 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8499S
Plant Spec Point Desc.:	WIND DIRECTION 30 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8500S
Plant Spec Point Desc.:	WIND DIRECTION 150 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8500S
Plant Spec Point Desc.:	WIND DIRECTION 150 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8501S
Plant Spec Point Desc.:	WIND DIRECTION 300 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SIT
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U1XA8501S
Plant Spec Point Desc.:	WIND DIRECTION 300 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	U1FT0946S
Plant Spec Point Desc.:	#11 RHRHX OUTLET FLOW
Generic/Cond Desc.:	LOW PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	NA
Minimum Instr Range:	500
Maximum Instr Range:	5,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 104 AUX BLDG EL. 45 RHR PP RM
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LP SI FLOW
Point ID:	U1FT0946S
Plant Spec Point Desc.:	#11 RHRHX OUTLET FLOW
Unique System Desc.:	RANGE EQUAL TO 0-64 PSID; FLOW < 500GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	U1FT0947S
Plant Spec Point Desc.:	#12 RHRHX OUTLET FLOW
Generic/Cond Desc.:	LOW PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	NA
Minimum Instr Range:	500
Maximum Instr Range:	5000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 104 AUX BLDG EL. 45 RHR PP RM
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LP SI FLOW
Point ID:	U1FT0947S
Plant Spec Point Desc.:	#12 RHRHX OUTLET FLOW
Unique System Desc.:	RANGE EQUAL TO 0-64 PSID; FLOW < 500 GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	BWST LEVEL
Point ID:	U1LT0920S
Plant Spec Point Desc.:	RWST LEVEL CH D
Generic/Cond Desc.:	REFUELING WATER STOR. TK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FT
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	48
Zero Point Reference:	TNKBOT
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 378 AT RWST
Alarm/Trip Set Points:	HI:41.9, LO:15.25, LOLO:11.5
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: BWST LEVEL
Point ID: U1LT0920S
Plant Spec Point Desc.: RWST LEVEL CH D

Unique System Desc.: PROVIDES INDICATION OF WATER LEVEL IN
RWST: FULL TANK EQUALS 400,000 GAL,
LO OF 15.25 FT IS APPROX 150,000 GAL,
LOLO OF 11.5 FT IS APPROX 115,000 GAL,
AND HI OF 41.9 FT IS APPROX 375,000 GAL,
REMAINING.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HP SI FLOW
Point ID:	U1FT0918S
Plant Spec Point Desc.:	#12 SAFETY INJ PUMP DISCH FLOW
Generic/Cond Desc.:	HIGH PRESS SFTY INJECTION FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	80
Maximum Instr Range:	800
Zero Point Reference:	NA
Reference Point Notes:	CORRECTED FOR 1000PSI STATIC SHIFT
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	AUX BLDG, EL.84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HP SI FLOW
Point ID:	U1FT0918S
Plant Spec Point Desc.:	#12 SAFETY INJ PUMP DISCH FLOW
Unique System Desc.:	FLOW EQUIVALENT TO 0 TO 799 INH2O DP. FLOW < 80GPM CLAMPED TO ZERO.

NLR-N93043

ATTACHMENT 2B

UPDATED DATA POINT LIBRARY SALEM UNIT 2

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	NI POWER RNG
Point ID:	U2NM0041FS
Plant Spec Point Desc.:	POWER RNG PERCENT CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS-POWER RANGE
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	LINEAR
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	HIGH: 103
NI Detector Power Supply Cut-off Power Level:	120% POWER
NI Detector Power Supply Turn-on Power Level:	0% POWER
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	NI POWER RNG
Point ID:	U2NM0041FS
Plant Spec Point Desc.:	POWER RNG PERCENT CH I

Unique System Desc.:	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 AND 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. ALARM SETPOINT (103) IS FROM SPDS.
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DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	NI INTER RNG
Point ID:	U2NM0035BB
Plant Spec Point Desc.:	INTERM RNG NEUTRON LVL CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS-INTERM RANGE
Analog/Digital:	A
Engr Units/Dig States:	AMP
Engr Units Conversion:	LINEAR
Minimum Instr Range:	1E-11
Maximum Instr Range:	1E-03
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	SUR/IR/PR OVRLP
NI Detector Power Supply Turn-on Power Level:	1E-11 AMPS
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: NI INTER RNG
Point ID: U2NM0035BB
Plant Spec Point Desc.: INTERM RNG NEUTRON LVL CH I

Unique System Desc.: 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 CHARACTER BECAUSE OF ERDS
APPLICATION SOFTWARE LIMITATIONS. THE
SPDS POINT ID IS U2NM0035BBS. LOW1
SETPOINT IS 6E-11. LOW2 SETPOINT IS
1E-10.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	U2NM0031FA
Plant Spec Point Desc.:	SOURCE RNG NEUTRON LVL CH I
Generic/Cond Desc.:	NUCLEAR INSTRUMENTS-SOURCE RANGE
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	NA
Minimum Instr Range:	1E0
Maximum Instr Range:	1E6
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	REACTOR CAVITY
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	SUR/IR OVERLAP
NI Detector Power Supply Turn-on Power Level:	1E0 CPS
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	NI SOURC RNG
Point ID:	U2NM0031FA
Plant Spec Point Desc.:	SOURCE RNG NEUTRON LVL CH I

Unique System Desc.:	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.
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DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	REAC VES LEV
Point ID:	U2LT1311S
Plant Spec Point Desc.:	RV LEVEL FULL RANGE TRAIN A
Generic/Cond Desc.:	REACTOR VESSEL WATER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	120
Zero Point Reference:	COMPLX
Reference Point Notes:	SEAL TABLE ELEV. 104
PROC or SENS:	P
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANELS 839-2A, 839-2B
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	HIGH/LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: REAC VES LEV
Point ID: U2LT1311S
Plant Spec Point Desc.: RV LEVEL FULL RANGE TRAIN A

Unique System Desc.: 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 TO 120% : 0 TO 495.25 INCHES.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	TEMP CORE EX
Point ID:	U2TC-HOTTE
Plant Spec Point Desc.:	HOTTEST INCORE THERMOCOUPLE
Generic/Cond Desc.:	HIGHEST TEMPERATURE AT CORE EXIT
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	2450
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	65
How Processed:	HIGH SELECT
Sensor Locations:	INCORE
Alarm/Trip Set Points:	NA
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	0.0
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	TEMP CORE EX
Point ID:	U2TC-HOTTE
Plant Spec Point Desc.:	HOTTEST INCORE THERMOCOUPLE
Unique System Desc.:	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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SUB MARGIN
Point ID:	U2ASUBCOOL
Plant Spec Point Desc.:	SUBCOOLING MARGIN TRAIN A
Generic/Cond Desc.:	SATURATION TEMPERATURE T-REP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	250
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	032
How Processed:	T-REP VS RCS PRESS
Sensor Locations:	VESSEL + CTMNT
Alarm/Trip Set Points:	10F DEC
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SUB MARGIN
Point ID: U2ASUBCOOL
Plant Spec Point Desc.: SUBCOOLING MARGIN TRAIN A

Unique System Desc.: MARGIN BASED ON CE ALGORITHMS.
AUTOMATIC COMPENSATION DURING ADVERSE
CNTMNT CONDITIONS. 29 CETS SCANNED
PER CHANNEL PLUS RCS PRESS, CNTMNT
PRESS, & CNTMNT RAD. THE SPDS POINT ID
HAS BEEN TRUNCATED TO TEN CHARACTER
BECAUSE OF ERDS APPLICATION SOFTWARE
LIMITATIONS. THE SPDS POINT ID IS
U2ASUBCOOLMR.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 1
Point ID:	U2LT0501S
Plant Spec Point Desc.:	#21 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 1
Point ID:	U2LT0501S
Plant Spec Point Desc.:	#21 SG LEVEL WIDE RANGE
Unique System Desc.:	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".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 2
Point ID:	U2LT0502S
Plant Spec Point Desc.:	#22 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 2
Point ID:	U2LT0502S
Plant Spec Point Desc.:	#22 SG LEVEL WIDE RANGE
Unique System Desc.:	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".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 3
Point ID:	U2LT0503S
Plant Spec Point Desc.:	#23 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Names:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG LEVEL 3
Point ID:	U2LT0503S
Plant Spec Point Desc.:	#23 SG LEVEL WIDE RANGE
Unique System Desc.:	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".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG LEVEL 4
Point ID:	U2LT0504S
Plant Spec Point Desc.:	#24 SG LEVEL WIDE RANGE
Generic/Cond Desc.:	STEAM GENERATOR LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TUBSHT
Reference Point Notes:	10 TO 575 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 448 IN CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:67.0, LOLO:8.5, LO:25.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG LEVEL 4
Point ID: U2LT0504S
Plant Spec Point Desc.: #24 SG LEVEL WIDE RANGE

Unique System Desc.: 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".

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 1
Point ID:	U2PT0514AS
Plant Spec Point Desc.:	#21 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	NORTH PEN AREA, EL. 100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG PRESS 1
Point ID:	U2PT0514AS
Plant Spec Point Desc.:	#21 SG STEAM OUT PRESS CHAN I
Unique System Desc.:	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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 2
Point ID:	U2PT0524AS
Plant Spec Point Desc.:	#22 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	SOUTH PEN AREA EL. 100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SG PRESS 2
Point ID: U2PT0524AS
Plant Spec Point Desc.: #22 SG STEAM OUT PRESS CHAN I

Unique System Desc.: 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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 3
Point ID:	U2PT0534AS
Plant Spec Point Desc.:	#23 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	NORTH PEN AREA EL. 100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG PRESS 3
Point ID:	U2PT0534AS
Plant Spec Point Desc.:	#23 SG STEAM OUT PRESS CHAN I
Unique System Desc.:	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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	SG PRESS 4
Point ID:	U2PT0544AS
Plant Spec Point Desc.:	#24 SG STEAM OUT PRESS CHAN I
Generic/Cond Desc.:	STEAM GENERATOR PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	4
Maximum Instr Range:	1204
Zero Point Reference:	4
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	SOUTH PEN AREA EL. 100
Alarm/Trip Set Points:	LO:600.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SG PRESS 4
Point ID:	U2PT0544AS
Plant Spec Point Desc.:	#24 SG STEAM OUT PRESS CHAN I
Unique System Desc.:	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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 1
Point ID:	U2FT0510S
Plant Spec Point Desc.:	#21 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Name:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 1
Point ID: U2FT0510S
Plant Spec Point Desc.: #21 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 18978 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.77217
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S2.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC EKDS Parameter:	MN FD FL 2
Point ID:	U2FT0520S
Plant Spec Point Desc.:	#22 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 2
Point ID: U2FT0520S
Plant Spec Point Desc.: #22 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 18997 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.70681
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S2.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 3
Point ID:	U2FT0530S
Plant Spec Point Desc.:	#23 SG FEEDWATER IN FLO CHAN I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 3
Point ID: U2FT0530S
Plant Spec Point Desc.: #23 SG FEEDWATER IN FLO CHAN I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 19139 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.82158
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S2.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MN FD FL 4
Point ID:	U2FT0540S
Plant Spec Point Desc.:	#24 SG FEEDWATER IN FLO CH I
Generic/Cond Desc.:	STEAM GENERATOR FEED FLOW
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	12
Maximum Instr Range:	120
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BETWEEN FW HEATER & SG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: MN FD FL 4
Point ID: U2FT0540S
Plant Spec Point Desc.: #24 SG FEEDWATER IN FLO CH I

Unique System Desc.: FLOW < 12% NOT MEANINGFUL;
VALUES CLAMPED.

CONVERT % TO LBM/HR:
FLOW LBM/HR = 19023 X
THERMAL EXPANSION FACTOR X
SQRT(SPECIFIC WT) X FLOW IN PERCENT
/ 3.71391
FOR EXPANSION FACTOR AND SQRT SPECIFIC
WEIGHT, REFER TO TABLE 4 OF PROCEDURE
S2.RE-RA.ZZ-0011(Q).

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 1
Point ID:	U2FA1087S
Plant Spec Point Desc.:	#21 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 1
Point ID:	U2FA1087S
Plant Spec Point Desc.:	#21 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 2
Point ID:	U2FA1091S
Plant Spec Point Desc.:	#22 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: AX FD FL 2

Point ID: U2FA1091S

Plant Spec Point Desc.: #22 SG AFW FLOW

Unique System Desc.: FEED FLOW < 25,000 LB/HR CLAMPED
TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 3
Point ID:	U2FA1095S
Plant Spec Point Desc.:	#23 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR AUX FW FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 3
Point ID:	U2FA1095S
Plant Spec Point Desc.:	#23 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	AX FD FL 4
Point ID:	U2FA1097S
Plant Spec Point Desc.:	#24 SG AFW FLOW
Generic/Cond Desc.:	STEAM GENERATOR #24 AUX FD FLOW
Analog/Digital:	A
Engr Units/Dig States:	LB/HR
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	25,000
Maximum Instr Range:	250,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	BETWEEN AUX FD PUMP & SG FD LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	AX FD FL 4
Point ID:	U2FA1097S
Plant Spec Point Desc.:	#24 SG AFW FLOW
Unique System Desc.:	FEED FLOW < 25,000 LB/HR CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 1
Point ID:	U2TE0413AS
Plant Spec Point Desc.:	#21 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN1 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 1
Point ID:	U2TE0413AS
Plant Spec Point Desc.:	#21 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 2
Point ID:	U2TE0423AS
Plant Spec Point Desc.:	#22 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN2 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 2
Point ID:	U2TE0423AS
Plant Spec Point Desc.:	#22 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 3
Point ID:	U2TE0433AS
Plant Spec Point Desc.:	#23 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN3 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 3
Point ID:	U2TE0433AS
Plant Spec Point Desc.:	#23 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	HL TEMP 4
Point ID:	U2TE0443AS
Plant Spec Point Desc.:	#24 RC WR HOT LEG TEMP
Generic/Cond Desc.:	STM GEN4 INLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON HOT LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HL TEMP 4
Point ID:	U2TE0443AS
Plant Spec Point Desc.:	#24 RC WR HOT LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE HOT LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 1
Point ID:	U2TE0413BS
Plant Spec Point Desc.:	#21 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN1 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: CL TEMP 1
Point ID: U2TE0413BS
Plant Spec Point Desc.: #21 RC WR COLD LEG TEMP

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

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 2
Point ID:	U2TE0423BS
Plant Spec Point Desc.:	#22 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN2 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 2
Point ID:	U2TE0423BS
Plant Spec Point Desc.:	#22 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 3
Point ID:	U2TE0433BS
Plant Spec Point Desc.:	#23 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN3 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 3
Point ID:	U2TE0433BS
Plant Spec Point Desc.:	#23 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CL TEMP 4
Point ID:	U2TE0443BS
Plant Spec Point Desc.:	#24 RC WR COLD LEG TEMP
Generic/Cond Desc.:	STM GEN4 OUTLET TEMP
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	30
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CNTMNT ON COLD LEG
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CL TEMP 4
Point ID:	U2TE0443BS
Plant Spec Point Desc.:	#24 RC WR COLD LEG TEMP
Unique System Desc.:	PROVIDES INDICATION OF CORE ENTRY COLD LEG TEMPERATURE. PROVIDES INPUT TO T-AVG + DELTA-T INSTRUMENTATION FOR COMPUTATION/ALARMS/TRIPS.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	U2PT0405S
Plant Spec Point Desc.:	RC WIDE RANGE PRESS
Generic/Cond Desc.:	REACTOR COOLANT SYSTEM PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	6
Maximum Instr Range:	3006
Zero Point Reference:	6
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NONE
Sensor Locations:	PANEL 797, EL. 78
Alarm/Trip Set Points:	LOW: 1865, HIGH: 2385
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	RCS PRESSURE
Point ID:	U2PT0405S
Plant Spec Point Desc.:	RC WIDE RANGE PRESS
Unique System Desc.:	PROVIDES INPUT TO SMM, PROVIDES PRESSURE OF RCS IN GENERAL. ALARM SETPOINTS ARE FROM SPDS.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	PRZR LEVEL
Point ID:	U2LT0459S
Plant Spec Point Desc.:	PRESSURIZER LEVEL CHAN I
Generic/Cond Desc.:	PRIMARY SYSTEM PRESSURIZER LEVEL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	TOPHTR
Reference Point Notes:	106 TO 366 IN H2O
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 335, CNTMNT EL. 100
Alarm/Trip Set Points:	HIHI:92.0, HI:70.0, LO:17.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	PRZR LEVEL
Point ID:	U2LT0459S
Plant Spec Point Desc.:	PRESSURIZER LEVEL CHAN I
Unique System Desc.:	100% EQUALS RANGE OF 106 TO 366 INH2O LOWER INSTRUMENT TAP AT TOP OF PZR HTRS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	RCS CHG/MU
Point ID:	U2FT0128S
Plant Spec Point Desc.:	CHARGING FLOW
Generic/Cond Desc.:	PRIMARY SYSTEM CHARGING FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	20
Maximum Instr Range:	200
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	NO.23 PUMP OUTLET, EL. 84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For LP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: RCS CHG/MU

Point ID: U2FT0128S

Plant Spec Point Desc.: CHARGING FLOW

Unique System Desc.: FLOW EQUAL TO 0-237 "H2O; CHARGING
FLOW < 20 GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	HP SI FLOW
Point ID:	U2FT0922S
Plant Spec Point Desc.:	#21 SAFETY INJ PUMP DISCH FLOW
Generic/Cond Desc.:	HIGH PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	80
Maximum Instr Range:	800
Zero Point Reference:	NA
Reference Point Notes:	CORRECTED FOR 1000PSI STATIC SHIFT
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	AUX BLDG, EL. 84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HP SI FLOW
Point ID:	U2FT0922S
Plant Spec Point Desc.:	#21 SAFETY INJ PUMP DISCH FLOW
Unique System Desc.:	FLOW EQUIVALENT TO 0 TO 799 INH20 DP. FLOW < 80 GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	U2LT0938S
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL
Generic/Cond Desc.:	CONTAINMENT SUMP WIDE RANGE LVL
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	CNTFLR
Reference Point Notes:	70.4FT TO 87.8FT CNTMNT ELEVATION
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	CONTAINMENT EL. 78
Alarm/Trip Set Points:	HI:76.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT SMP WR
Point ID:	U2LT0938S
Plant Spec Point Desc.:	CONTAINMENT SUMP LEVEL
Unique System Desc.:	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.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	U2NGRR
Plant Spec Point Desc.:	NOBLE GAS RELEASE RATE
Generic/Cond Desc.:	RADIOACTIVITY OF RELEASED GASES
Analog/Digital:	A
Engr Units/Dig States:	UCI/S
Engr Units Conversion:	UCI/CC * FLOW RATE * CONSTANT
Minimum Instr Range:	0
Maximum Instr Range:	1E10
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	003
How Processed:	NA
Sensor Locations:	ON PLANT VENT LINE
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	EFF GAS RAD
Point ID:	U2NGRR
Plant Spec Point Desc.:	NOBLE GAS RELEASE RATE
Unique System Desc.:	COMPUTED BY SPDS. PROVIDES INDICATION OF RADIOACTIVITY RELEASE RATE IN PLANT STACK EFFLUENT.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CNTMNT RAD
Point ID:	U2R0044AS
Plant Spec Point Desc.:	R44A CNTMT POST LOCA RAD MON
Generic/Cond Desc.:	RADIATION LEVEL IN CONTAINMENT
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	LOG
Minimum Instr Range:	1E0
Maximum Instr Range:	1E7
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	IN CONTAINMENT
Alarm/Trip Set Points:	HI:100.0, HIHI:1000.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CNTMNT RAD
Point ID:	U2R0044AS
Plant Spec Point Desc.:	R44A CNTMT POST LOCA RAD MON
Unique System Desc.:	PROVIDES INDICATION OF GENERAL RADIATION LEVEL INSIDE CONTAINMENT.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 2
Point ID:	U2R0046AS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46A
Generic/Cond Desc.:	STM GEN2 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	NA
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 2
Point ID:	U2R0046AS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46A
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 4
Point ID:	U2R0046BS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46B
Generic/Cond Desc.:	STM GEN4 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 4
Point ID:	U2R0046BS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46B
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 1
Point ID:	U2R0046CS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46C
Generic/Cond Desc.:	STM GEN1 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 1
Point ID:	U2R0046CS
Plant Spec Point Desc.:	MAiN STEAM RAD MON R46C
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	03/23/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	MAIN SL 3
Point ID:	U2R0046DS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46D
Generic/Cond Desc.:	STM GEN3 STM LINE RAD LEVEL
Analog/Digital:	A
Engr Units/Dig States:	MR/HR
Engr Units Conversion:	LOG SCALE
Minimum Instr Range:	0.1
Maximum Instr Range:	10,000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	BLDG 04, EL. 100
Alarm/Trip Set Points:	HI:5.0, HIHI:10.0
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN SL 3
Point ID:	U2R0046DS
Plant Spec Point Desc.:	MAIN STEAM RAD MON R46D
Unique System Desc.:	ENG. RANGE EQUIVALENT TO 0.1 TO 5000 uCi/cc XE-133. PROVIDES INDICATION OF RADIOACTIVITY WITHIN MAIN STEAM LINE.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT PRESS
Point ID:	U2PT0948DS
Plant Spec Point Desc.:	CNTMT PRESSURE CHANNEL I
Generic/Cond Desc.:	CONTAINMENT PRESSURE
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	NA
Minimum Instr Range:	-5
Maximum Instr Range:	+55
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	INSIDE CONTAINMENT
Alarm/Trip Set Points:	HIGH: 4. HIGH-HIGH: 23.5
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT PRESS
Point ID:	U2PT0948DS
Plant Spec Point Desc.:	CNTMT PRESSURE CHANNEL I
Unique System Desc.:	NARROW RANGE CHANNEL.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U2AVG-CNT-
Plant Spec Point Desc.:	AVERAGE CONTAINMENT TEMP
Generic/Cond Desc.:	CONTAINMENT TEMPERATURE
Analog/Digital:	A
Engr Units/Dig States:	DEGF
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	P
Number of Sensors:	015
How Processed:	AVERAGE OF ALL SENSORS
Sensor Locations:	CNTMNT EL. 78,84,87,106,121,130,& 136
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CTMNT TEMP
Point ID:	U2AVG-CNT-
Plant Spec Point Desc.:	AVERAGE CONTAINMENT TEMP
Unique System Desc.:	SPDS CALCULATED POINT. THE SPDS POINT ID HAS BEEN TRUNCATED TO TEN CHARACTERS BECAUSE OF ERDS APPLICATION SOFTWARE LIMITATIONS. THE SPDS POINT ID IS U2AVG-CNT-T

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	H2 CONC
Point ID:	U2XA3361S
Plant Spec Point Desc.:	CNTMT HYDROGEN LVL #21
Generic/Cond Desc.:	CONTAINMENT HYDROGEN CONCENTRATN
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	INSIDE CNTMNT
Alarm/Trip Set Points:	HI:2, HIHI:4
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	H2 CONC
Point ID:	U2XA3361S
Plant Spec Point Desc.:	CNTMT HYDROGEN LVL #21
Unique System Desc.:	PROVIDES INDICATION OF H2 IN CNTMNT.

DATA POINT LIBRARY REFERENCE FILE

Date:	02/03/93
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	BWST LEVEL
Point ID:	U2LT0961S
Plant Spec Point Desc.:	RWST LEVEL CH D
Generic/Cond Desc.:	REFUELING WATER STOR. TK LEVEL
Analog/Digital:	A
Engr Units/Dig States:	FT
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	48
Zero Point Reference:	TNKBOT
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 378 AT RWST
Alarm/Trip Set Points:	HI:41.9, LO:15.25, LOLO:11.5
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	BWST LEVEL
Point ID:	U2LT0961S
Plant Spec Point Desc.:	RWST LEVEL CH D

Unique System Desc.:	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.
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DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA8496S
Plant Spec Point Desc.:	WIND SPEED 30 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA8496S
Plant Spec Point Desc.:	WIND SPEED 30 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY. 30 FT. ELEVATION IS MOST REPRESENTATIVE OF SITE CONDITIONS.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8499S
Plant Spec Point Desc.:	WIND DIRECTION 30 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8499S
Plant Spec Point Desc.:	WIND DIRECTION 30 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	U2FT0946S
Plant Spec Point Desc.:	#21 RHRHX OUTLET FLOW
Generic/Cond Desc.:	LOW PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	NA
Minimum Instr Range:	500
Maximum Instr Range:	5000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 104 AUX BLDG EL. 45 RHR PP RM
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LP SI FLOW
Point ID:	U2FT0946S
Plant Spec Point Desc.:	#21 RHRHX OUTLET FLOW
Unique System Desc.:	RANGE EQUAL TO 0-64 PSID; FLOW < 500 GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA1
Data Feeder:	SPDS
NRC ERDS Parameter:	HP SI FLOW
Point ID:	U2FT0918S
Plant Spec Point Desc.:	#22 SAFETY INJ PUMP DISCH FLOW
Generic/Cond Desc.:	HIGH PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT OF DP * CONST
Minimum Instr Range:	80
Maximum Instr Range:	800
Zero Point Reference:	NA
Reference Point Notes:	CORRECTED FOR 1000PSI STATIC SHIFT
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	AUX BLDG, EL. 84
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HP SI FLOW
Point ID:	U2FT0918S
Plant Spec Point Desc.:	#22 SAFETY INJ PUMP DISCH FLOW
Unique System Desc.:	FLOW EQUIVALENT TO 0 TO 799 INH2O DP. FLOW < 80GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	LP SI FLOW
Point ID:	U2FT0947S
Plant Spec Point Desc.:	#22 RHRHX OUTLET FLOW
Generic/Cond Desc.:	LOW PRESSURE SAFETY INJ FLOW
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	NA
Minimum Instr Range:	500
Maximum Instr Range:	5000
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	PANEL 104 AUX BLDG EL. 45 RHR PP RM
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LP SI FLOW
Point ID:	U2FT0947S
Plant Spec Point Desc.:	#22 RHRHX OUTLET FLOW
Unique System Desc.:	RANGE EQUAL TO 0-64 PSID; FLOW < 500 GPM CLAMPED TO ZERO.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA8497S
Plant Spec Point Desc.:	WIND SPEED 150 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA8497S
Plant Spec Point Desc.:	WIND SPEED 150 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA8498S
Plant Spec Point Desc.:	WIND SPEED 300 FT ELEV
Generic/Cond Desc.:	WIND SPEED AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	100
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	U2XA9498S
Plant Spec Point Desc.:	WIND SPEED 300 FT ELEV
Unique System Desc.:	INSTANTANEOUS READINGS ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8500S
Plant Spec Point Desc.:	WIND DIRECTION 150 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8500S
Plant Spec Point Desc.:	WIND DIRECTION 150 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY.

DATA POINT LIBRARY REFERENCE FILE

Date:	11/17/92
Reactor Unit:	SA2
Data Feeder:	SPDS
NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8501S
Plant Spec Point Desc.:	WIND DIRECTION 300 FT ELEV
Generic/Cond Desc.:	WIND DIRECTION AT REACTOR SITE
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	NA
Minimum Instr Range:	0
Maximum Instr Range:	540
Zero Point Reference:	NA
Reference Point Notes:	NA
PROC or SENS:	S
Number of Sensors:	001
How Processed:	NA
Sensor Locations:	MET TOWER
Alarm/Trip Set Points:	NONE
NI Detector Power Supply Cut-off Power Level:	NA
NI Detector Power Supply Turn-on Power Level:	NA
Instrument Failure Mode:	AS IS
Temperature Compensation For DP Transmitters:	
Level Reference Leg:	NA

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	U2XA8501S
Plant Spec Point Desc.:	WIND DIRECTION 300 FT ELEV
Unique System Desc.:	INSTANTANEOUS DIRECTION ONLY.

NLR-N93043

ATTACHMENT 2C

UPDATED DATA POINT LIBRARY HOPE CREEK

DATA POINT LIBRARY REFERENCE FILE

Date:	02/04/93
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	NI POWER RNG
Point ID:	B5026
Plant Spec Point Desc.:	SPDS APRM AVG PWR
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	% POWER
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	125
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	129
How Processed:	AVG
Sensor Locations:	REACTOR VESSEL CORE
Alarm/Trip Set Points:	HIHI 101.0
NI Detector Power Supply Cut-off Power Level:	125%
NI Detector Power Supply Turn-on Power Level:	0%
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:

NI POWER RNG

Point ID:

B5026

Plant Spec Point Desc.:

SPDS APRM AVG PWR

Unique System Desc.:

CALCULATES AN AVERAGE CONSISTING OF ALL SIX CHANNELS IN CONJUNCTION WITH DIGITAL APRM CHANNEL BYPASSES. PROVIDES INDICATION OF TOTAL CORE THERMAL POWER. COMPUTER COMPOSED POINT ALARM IS SET AT 101% POWER. THE UPSCALE NEUTPON TRIP IS AT 118% POWER.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	NI SOURC RNG
Point ID:	B3027
Plant Spec Point Desc.:	SRM CH A COUNT RATE
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	CPS
Engr Units Conversion:	CALCULATED
Minimum Instr Range:	0.1
Maximum Instr Range:	1E6
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	1
How Processed:	ANTI-LOG
Sensor Locations:	RM 4220 DRYWELL - UNDER VESSEL
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	SRM/IRM OVERLAP
NI Detector Power Supply Turn-on Power Level:	STRUP, SHUTDWN
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	NI SOURC RNG
Point ID:	B3027
Plant Spec Point Desc.:	SRM CH A COUNT RATE
Unique System Desc.:	COMPOSED POINT CONVERTS LOG COUNT RATE TO COUNT RATE.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	REAC VES LEV
Point ID:	B5007
Plant Spec Point Desc.:	SPDS REACTOR AVG LVL - CAUTION 6
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	N/A
Minimum Instr Range:	-311
Maximum Instr Range:	400
Zero Point Reference:	COMPLX
Reference Point Notes:	TAF = -161 INCHES
PROC or SENS:	P
Number of Sensors:	42
How Processed:	AVG
Sensor Locations:	VARIOUS RX BLDG LOCATIONS
Alarm/Trip Set Points:	12.5 LO, -38 LOLO
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	Y
Level Reference Leg:	WET

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	REAC VES LEV
Point ID:	B5007
Plant Spec Point Desc.:	SPDS REACTOR AVG LVL - CAUTION 6
Unique System Desc.:	COMPOSED POINT DISPLAYS LEVEL OBTAINED FROM ELGIBLE INSTRUMENTS FOR NARROW, WIDE, FUEL ZONE, UPSET OR SHUTDOWN RANGES RESPECTIVELY

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	A194
Plant Spec Point Desc.:	RX FEEDWATER FL LINE A
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	8.5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SQRT
Sensor Locations:	RM 1503 TURBINE BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	A194
Plant Spec Point Desc.:	RX FEEDWATER FL LINE A
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	A195
Plant Spec Point Desc.:	RX FEEDWATER FL LINE B
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	MLB/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	8.5
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SQRT
Sensor Locations:	RM 1503 TURBINE BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	MAIN FD FLOW
Point ID:	A195
Plant Spec Point Desc.:	RX FEEDWATER FL LINE B
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	02/04/03
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	RCIC FLOW
Point ID:	A2491
Plant Spec Point Desc.:	RCIC PUMP DISCHARGE FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	700
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4108 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	RCIC FLOW
Point ID:	A2491
Plant Spec Point Desc.:	RCIC PUMP DISCHARGE FLOW

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	RCS PRESSURE
Point ID:	B5019
Plant Spec Point Desc.:	SPDS REACTOR AVG PRESS
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	1500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	7
How Processed:	CALCULATED
Sensor Locations:	VARIOUS REACTOR BLDG LOCATIONS
Alarm/Trip Set Points:	HI 1037, HIHI 1071
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	RCS PRESSURE
Point ID:	B5019
Plant Spec Point Desc.:	SPDS REACTOR AVG PRESS
Unique System Desc.:	USES NARROW RANGE UNLESS IT IS INVALID; WHEN INVALID USES WIDE RANGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	HPCI FLOW
Point ID:	A2068
Plant Spec Point Desc.:	HPCI PUMP DISCHARGE FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	600
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4112 REACTOR BLDG
Alarm/Trip Set Points:	FLOW CONTROLLER SETPOINT
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	HPCI FLOW
Point ID:	A2068
Plant Spec Point Desc.:	HPCI PUMP DISCHARGE FLOW
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3138
Plant Spec Point Desc.:	RHR PMP CP202 DISCH FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4114 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3138
Plant Spec Point Desc.:	RHR PMP CP202 DISCH FLOW
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HCl
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3139
Plant Spec Point Desc.:	RHR PMP BP202 DISCH FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4205 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3139
Plant Spec Point Desc.:	RHR PMP BP202 DISCH FLOW

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3163
Plant Spec Point Desc.:	RHR PMP DP202 DISCH FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4107 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3163
Plant Spec Point Desc.:	RHR PMP DP202 DISCH FLOW

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3137
Plant Spec Point Desc.:	RHR PMP AP202 DISCH FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	12000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4215 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	LPCI FLOW
Point ID:	A3137
Plant Spec Point Desc.:	RHR PMP AP202 DISCH FLOW

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	A2224
Plant Spec Point Desc.:	CS LOOP A INJECT LINE FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT
Minimum Instr Range:	0
Maximum Instr Range:	10000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SQRT
Sensor Locations:	RM 4116 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CR SPRAY FL
Point ID:	A2224
Plant Spec Point Desc.:	CS LOOP A INJECT LINE FLOW
Unique System Desc.:	ZERO CUTOFF VALUE OF 1000 GPM

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	CR SPRAY FL
Point ID:	A2227
Plant Spec Point Desc.:	CS LOOP B INJECT LINE FLOW
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	GPM
Engr Units Conversion:	SQRT
Minimum Instr Range:	0
Maximum Instr Range:	10000
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	SQRT
Sensor Locations:	RM 4105 REACTOR BLDG
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	CR SPRAY FL
Point ID:	A2227
Plant Spec Point Desc.:	CS LOOP B INJECT LINE FLOW
Unique System Desc.:	ZERO CUTOFF VALUE OF 1000 GPM

DATA POINT LIBRARY REFERENCE FILE

Date:	03/23/93
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	EFF GAS RAD
Point ID:	B5097
Plant Spec Point Desc.:	OFFSITE GAS RAD RELEASE
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	uCI/s
Engr Units Conversion:	N/A
Minimum Instr Range:	1E-2
Maximum Instr Range:	1E12
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	11
How Processed:	CALCULATED
Sensor Locations:	PLANT VENTS
Alarm/Trip Set Points:	HIHI 1.2E5
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	EFF GAS RAD
Point ID:	B5097
Plant Spec Point Desc.:	OFFSITE GAS RAD RELEASE
Unique System Desc.:	LOW, MED & HIGH RANGES ARE USED AND COMPARED TO BACKGROUND ALERT ALARM IS 1.2E5; GENERAL EMERGENCY IS 1.08E7. B5097 IS A SUMMATION OF ALL FOUR RELEASE PATHS (NORTH PLANT VENT, SOUTH PLANT VENT, FILTRATION & RECIRCULATION VENT SYSTEM, AND HARDENED TORUS VENT).

DATA POINT LIBRARY REFERENCE FILE

Date:	02/04/93
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	DW RAD
Point ID:	R9635
Plant Spec Point Desc.:	DAPA CH A
Generic/Cond Desc.:	DRYWELL ATMOS POST ACCIDENT CH A
Analog/Digital:	A
Engr Units/Dig States:	R/HR
Engr Units Conversion:	N/A
Minimum Instr Range:	1
Maximum Instr Range:	1E8
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	LINEAR
Sensor Locations:	RM 4220 DRYWELL
Alarm/Trip Set Points:	HI 1.2E2, HIHI 2.0E2
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	DW RAD
Point ID:	R9635
Plant Spec Point Desc.:	DAPA CH A

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	DW PRESS
Point ID:	B5030
Plant Spec Point Desc.:	SPDS DRYWELL AVG PRESS
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	PSIG
Engr Units Conversion:	N/A
Minimum Inst. Range:	-5
Maximum Instr Range:	250
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	3
How Processed:	CALCULATED
Sensor Locations:	REACTOR BLDG
Alarm/Trip Set Points:	HI 1.68, HIHI 14.8
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	DW PRESS
Point ID:	B5030
Plant Spec Point Desc.:	SPDS DRYWELL AVG PRESS
Unique System Desc.:	USES NARROW RANGE UNLESS IT IS INVALID; WHEN INVALID USES THE WIDE RANGE WHICH IS AN AVERAGE.

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	DW TEMP
Point ID:	B5070
Plant Spec Point Desc.:	SPDS VOL DRYWELL AVG TEMP
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	DEG F
Engr Units Conversion:	CALCULATED
Minimum Instr Range:	40
Maximum Instr Range:	500
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	24
How Processed:	WEIGHTED AVG
Sensor Locations:	VARIOUS DRYWELL LOCATIONS
Alarm/Trip Set Points:	HI 135, HIHI 340
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	DW TEMP
Point ID:	B5070
Plant Spec Point Desc.:	SPDS VOL DRYWELL AVG TEMP
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	SP TEMP
Point ID:	B5084
Plant Spec Point Desc.:	SPDS SUPP POOL AVG TEMP
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	DEG F
Engr Units Conversion:	N/A
Minimum Instr Range:	40
Maximum Instr Range:	300
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	16
How Processed:	AVG
Sensor Locations:	VARIOUS SUPP POOL LOCATIONS
Alarm/Trip Set Points:	HI 95, HIHI 110
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter: SP TEMP

Point ID: B5084

Plant Spec Point Desc.: SPDS SUPP POOL AVG TEMP

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	10/20/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	SP LEVEL
Point ID:	B5040
Plant Spec Point Desc.:	SPDS SUPP POOL AVG WATER LEVEL
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	INCHES
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	180
Zero Point Reference:	YES
Reference Point Notes:	96.1875 INCHES ABOVE BOTTOM OF VESSEL
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVG
Sensor Locations:	REACTOR BLDG
Alarm/Trip Set Points:	55.0 LOLO, 74.5 LO; 78.5 HI, 125 HIHI
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	DRY

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	SP LEVEL
Point ID:	B504C
Plant Spec Point Desc.:	SPDS SUPP POOL AVG WATER LEVEL

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	02/04/93
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	H2 CONC
Point ID:	B8201
Plant Spec Point Desc.:	H2/O2 ANALYZER AVG % H2
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVG
Sensor Locations:	REACTOR BLDG
Alarm/Trip Set Points:	HIHI 2.0
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	H2 CONC
Point ID:	B8201
Plant Spec Point Desc.:	H2/O2 ANALYZER AVG % H2
Unique System Desc.:	

DATA POINT LIBRARY REFERENCE FILE

Date:	02/04/93
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	O2 CONC
Point ID:	B8200
Plant Spec Point Desc.:	H2/O2 ANALYZER AVG % O2
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	%
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	10
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	P
Number of Sensors:	2
How Processed:	AVG
Sensor Locations:	REACTOR BLDG
Alarm/Trip Set Points:	HIHI 3.8
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	O2 CONC
Point ID:	B8200
Plant Spec Point Desc.:	H2/O2 ANALYZER AVG % O2

Unique System Desc.:

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	A9800
Plant Spec Point Desc.:	WIND SPEED @ 33FT
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	A9800
Plant Spec Point Desc.:	WIND SPEED @ 33FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	A9801
Plant Spec Point Desc.:	WIND SPEED @ 150FT
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	A9801
Plant Spec Point Desc.:	WIND SPEED @ 150FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND SPEED
Point ID:	A9802
Plant Spec Point Desc.:	WIND SPEED @ 300FT
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	MPH
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	N/A
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND SPEED
Point ID:	A9802
Plant Spec Point Desc.:	WIND SPEED @ 300FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	A9803
Piant Spec Point Desc.:	WIND DIRECTION @ 1070
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	A9803
Plant Spec Point Desc.:	WIND DIRECTION @ 33FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	A9804
Plant Spec Point Desc.:	WIND DIRECTION @ 150FT
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NPC ERDS Parameter:	WIND DIR
Point ID:	A9804
Plant Spec Point Desc.:	WIND DIRECTION @ 150FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

DATA POINT LIBRARY REFERENCE FILE

Date:	11/12/92
Reactor Unit:	HC1
Data Feeder:	N/A
NRC ERDS Parameter:	WIND DIR
Point ID:	A9805
Plant Spec Point Desc.:	WIND DIRECTION @ 300FT
Generic/Cond Desc.:	N/A
Analog/Digital:	A
Engr Units/Dig States:	DEGFR
Engr Units Conversion:	N/A
Minimum Instr Range:	0
Maximum Instr Range:	360
Zero Point Reference:	N/A
Reference Point Notes:	N/A
PROC or SENS:	S
Number of Sensors:	1
How Processed:	AVG
Sensor Locations:	METEROLOGICAL TOWER
Alarm/Trip Set Points:	N/A
NI Detector Power Supply Cut-off Power Level:	N/A
NI Detector Power Supply Turn-on Power Level:	N/A
Instrument Failure Mode:	LOW
Temperature Compensation For DP Transmitters:	N
Level Reference Leg:	N/A

DATA POINT LIBRARY REFERENCE FILE CONT.

NRC ERDS Parameter:	WIND DIR
Point ID:	A9805
Plant Spec Point Desc.:	WIND DIRECTION @ 300FT
Unique System Desc.:	15 MINUTE AVERAGE BEGINNING AT THE QUARTER HOUR

NLR-N93043

ATTACHMENT 3

S-C-A900-MDC-0082, REVISION 1

FIGURE 2

